

GW – 49-2

2013 AGWMR

03 / 31 / 2014



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March 31, 2014

477033

Mr. Glenn von Gonten
New Mexico Oil Conservation Division (NMOCD)
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Subject: 2013 Annual Groundwater Monitoring Report, Blanco Plant South Flare Pit and D Plant
Areas, Bloomfield, New Mexico
NMOCD Reference Number: GW-49-2

Dear Mr. von Gonten:

CH2M HILL Engineers, Inc., on behalf of El Paso Gas Transmission Company, is submitting the enclosed 2013 Annual Groundwater Monitoring Report for the Blanco South Flare Pit and D Plant Areas project. This report presents the groundwater monitoring data collected during 2013.

If you have any questions or comments concerning the enclosed report, please contact Joe Wiley (713.420.3475) or me (505.855.5237).

Sincerely,

CH2M HILL Engineers, Inc.

A handwritten signature in blue ink that reads "Jeffrey Minchak".

Jeffrey Minchak, P.G.
Senior Project Manager

c: J. Wiley

2013 Annual Groundwater Monitoring Report Blanco Plant South Flare Pit and D Plant Areas Bloomfield, New Mexico

Prepared for
El Paso Natural Gas Company, LLC

March 2014



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Acronyms and Abbreviations

1,1-dichloroethane	1,1-DCA
bgs	below ground surface
DTW	depth to water
EPNG	El Paso Natural Gas Company, LLC
ft/ft	foot per foot
IDW	investigation derived waste
mg/L	milligrams per liter
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
QA/QC	quality assurance/quality control
SFP	South Flare Pit
TD	total depth
VOC	volatile organic compound

SECTION 1

Introduction

This *2013 Annual Groundwater Monitoring Report* has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to report the results of the December 2013 site activities at the Blanco Gas Plant South Flare Pit (SFP) and D Plant Area. The site is currently regulated by the New Mexico Oil Conservation Division (NMOCD) and is located at 81 Road 4900 in Bloomfield, San Juan County, New Mexico. The site location is shown in Figure 1 and the site plan is shown on Figure 2.

Monitoring activities were previous performed by MWH Americas, Inc. from approximately 2001 to 2011. Monitoring resumed at the site in December 2013, and the event was performed by CH2M HILL, the current EPNGC contractor for the site.

SECTION 2

Site Background

2.1 Site Description

The Blanco South site (the site) is located approximately 1.5 miles northeast of central Bloomfield, New Mexico. The San Juan River is roughly 2 miles south of the site. The impacted areas of the site (SFP and D Plant Area) are located within the fenced boundary of the Blanco Gas Plant, which is currently operating as a natural gas processing and distribution facility. The D Plant area is in an active operations area and the SFP area is on the southern portion of the facility outside of the active operations area. In addition, the SFP has been closed. Properties adjacent to the site include the following:

- North – County Road 4900, natural gas processing and distribution facilities, and the former north flare pit
- South – Citizens Ditch (irrigation water ditch) and agricultural / residential land
- East – natural gas processing and distribution facilities
- West – natural gas processing and distribution facilities

2.2 Previous Investigations of Groundwater Nitrate

Bechtel Environmental (Bechtel, 1988) initially assessed the hydrogeology at the site during a 1988 investigation. During the investigation, six monitoring wells were installed and sampled for nitrate/nitrite. Elevated nitrate concentrations were found in samples collected in monitoring wells MW-2 and MW-6. This report concluded that the high nitrate concentrations found in MW-2 were not the result of the Blanco Gas Plant operations.

In 1990, a study was conducted by K.W. Brown and Associates, Inc. (K.W. Brown, 1990) to investigate the extent of contamination in the D Plant area due to a leaking underground storage tank. As part of this study, the source of elevated nitrate in groundwater was further investigated. Offsite monitoring well MW-19 was installed north of MW-2. Based on the results, elevated nitrate concentrations were found in MW-2, MW-19, MW-14, and MW-15. Monitoring well MW-19 became part of the Blanco North site and is not currently associated with the Blanco South site. An inspection of the Blanco Gas Plant was performed during the investigation to determine a potential nitrate source, however, no sources were identified.

In 2003, MWH Americas, Inc. (MWH, 2012) conducted a study of area background nitrate data to determine a potential source. The study determined that evaporates present at the Blanco Gas Plant were capable of producing elevated nitrate concentrations in leachate. The study also determined that several products used in the Blanco Gas Plant operations were composed of nitrates and nitrites. However, no major releases of such products were identified. In addition, during the 1990's, it was known that fertilizer was commonly used for the in-situ remediation of residual petroleum hydrocarbons. The 2003 nitrate study concluded that groundwater monitoring should be conducted annually.

2.3 Geology and Hydrogeology

Bechtel Environmental (Bechtel, 1988) and K.W Brown and Associates (K.W. Brown, 1990) summarized the geology and hydrogeology beneath the Blanco Gas Plant during their 1988 and 1990 investigations. According to the investigation results, the plant area is located on Quaternary alluvium consisting of sand, silt, clay and gravel. The alluvium varies in thickness from less than 3 feet to more than 75 feet (Bechtel, 1988). Beneath the alluvium is the Tertiary Nacimiento Formation, consisting of interbedded, coarse to medium-grained arkosic sandstone, siltstone and shale which were both channel fill and floodplain deposits. The channel-fill sandstone may locally dictate groundwater flow due to higher hydraulic conductivities in these units.

The direction of groundwater flow was determined to be to the south, towards the San Juan River (Bechtel, 1988). The average hydraulic conductivity was estimated to be 2.1×10^{-4} centimeters per second. Depth to groundwater in monitoring wells constructed within a relict channel (e.g., MW-2) was approximately 50 feet below ground surface. Depth to groundwater in monitoring wells constructed in the Nacimiento Formation (e.g., MW-10) was approximately 9 feet below ground surface. The results of the Bechtel Environmental investigation were generally consistent with the findings of the K.W. Brown and Associates investigation.

SECTION 3

Field Activities

On December 17, 18, and 19, 2013, CH2M HILL conducted groundwater monitoring at the former SFP and D Plant area monitoring wells. The following sections summarize the groundwater monitoring activities conducted during the December 2013 monitoring event.

3.1 Depth-to-Water Measurements and Groundwater Sampling

Field operations commenced by locating and verifying all monitor well locations. Depth to water (DTW) and total depth (TD) was measured at each of the 12 site monitoring wells. The 12 site wells are distributed between the D Plant Area and former SFP as follows:

D Plant Area

MW-02
MW-12
MW-13
MW-14
MW-15

South Flare Pit

MW-5 MW-29
MW-6 MW-30
MW-7
MW-8
MW-28

Prior to groundwater sample collection, the monitoring wells were purged with a peristaltic pump using low-flow methods or by hand bailing methods. The purge method used at each well was selected based on the DTW and the amount of available water. Field-parameters (temperature, pH, conductivity, temperature, turbidity, dissolved oxygen and redox potential) were measured and recorded during purging activities. Groundwater samples were collected following either field-parameter stabilization or the well was purged until dry. Wells which purged dry were allowed to recharge until sufficient volume was available to collect the sample. Groundwater samples collected at the former SFP wells were submitted for laboratory analysis of nitrate/nitrite via Method 353.2. Groundwater samples collected at the D Plant Area wells were submitted for laboratory analysis of nitrate/nitrite via Method 353.2 and volatile organic compounds (VOCs) by U.S. Environmental Protection Agency SW-846 Method 8260B. Quality assurance/quality control (QA/QC) samples were also collected to ensure proper decontamination, sample handling, and to provide information for laboratory data validation. Groundwater extracted during purging activities was contained in a 30-gallon polyethylene drum and transferred to a Department of Transportation-approved 55-gallon drum on a daily basis. Following groundwater purging and sampling activities, investigation derived waste (IDW) samples were collected from water generated during purging activities. The samples were submitted for laboratory analyses of standard waste classification parameters in order to profile and dispose of the IDW purge water. Appendix A contains the groundwater purge forms.

Section 4

Results and Discussion

4.1 Groundwater Elevation and Gradient

Two of the 12 monitoring wells (MW-2 and MW-7) were found to be dry at the time of DTW measurements and DTW measurements were collected at 10 of the 12 monitoring wells (MW-5, MW-6, MW-8, MW-12, MW-13, MW-14, MW-15, MW-28, MW-29, and MW-30). DTW measurements ranged from approximately 14 to 20 feet bgs at the D Plant Area wells. DTW at the former SFP wells ranged from approximately 27 to 31 feet bgs. The direction of groundwater flow at the former SFP area during December 2013 was to the north and the overall groundwater gradient was approximately 0.035-0.036 foot per foot (ft/ft). The direction of groundwater flow at the D Plant area during December 2013 was to the south and the overall groundwater gradient was approximately 0.033 – 0.034 ft/ft.

The December 2013 and historical groundwater elevation data are provided in Table 1. A potentiometric surface map depicting the groundwater elevations observed during the 2013 monitoring event is provided in Figure 3.

4.2 Groundwater Analytical Results

Table 2 summarizes the 2013 and historical groundwater VOC analytical results. Table 3 summarizes the 2013 and historical groundwater nitrate/nitrite analytical results. The 2013 laboratory analytical reports are provided in Appendix B. Figure 4 presents VOC and nitrate/nitrite concentrations in groundwater that exceed NMWQCC standards. The following discussion summarizes the VOC and nitrate/nitrite distribution at the site.

Concentrations of 1,1-dichloroethane (1,1-DCA) in MW-13 exceeded the NMWQCC standard of 0.025 milligrams per liter (mg/L). VOC concentrations did not exceed the NMWQCC standards in other monitoring wells at the D Plant. However, concentrations of nitrate/nitrite exceeded the NMWQCC standard of 10 mg/L at D Plant monitoring wells MW-12, MW-13, MW-14, and MW-15.

Concentrations of nitrate/nitrite exceeded the NMWQCC standard of 10 mg/L at the former SFP monitoring wells MW-5, MW-6, MW-28, MW-29, and MW-30.

Conclusions and Potential Future Activities

5.1 Conclusions

The following conclusions and recommendations are presented relative to groundwater conditions at the D Plant Area and former SFP, based on the groundwater elevation and groundwater analytical data obtained during the December 2013 monitoring event.

Groundwater monitoring has been conducted at the site since 1988. Nitrate/nitrite groundwater concentrations at the D Plant Area monitoring wells exceeded the NMWQCC standard of 10 mg/L and were higher than those reported in 2011. Concentrations of 1,1-DCA in MW-13 exceeded the NMWQCC standard of 0.025 mg/L. VOC groundwater concentrations at the D Plant Area were stable or showed a decreasing trend compared to historical data.

Concentrations of nitrate/nitrite significantly exceeded the NMWQCC standard in all monitoring wells at the former SFP, with the exception of MW-8, which is located east-southeast of the former SFP. Groundwater nitrate/nitrite concentrations reported in the 2013 groundwater monitoring event showed an increasing trend compared to historical data and it appears that the nitrate/nitrite plume is not delineated at the former SFP.

5.2 Potential Future Activities

Additional delineation of the VOCs and nitrate/nitrite for the D Plant Area and additional delineation of the nitrate/nitrite for the former SFP are under consideration. These activities would be addressed in a separate site investigation work plan and would generally include:

- Abandon existing monitoring wells that are screened above the water table (i.e., MW-2 and MW-7).
- Install new monitoring wells in locations that would provide better delineation of the VOCs and nitrate/nitrite; these wells would be constructed with longer screens such that they will have a longer service life should groundwater elevations continue to decline and if groundwater elevations increase in response to increased precipitation in northwestern New Mexico.
- Collect depth to water measurements and groundwater samples from the site wells.
- Review the data to evaluate the groundwater flow direction and compare the VOC and nitrate/nitrite concentration distribution to NMWQCC standards.

SECTION 6

References

Bechtel Environmental, 1988. *Groundwater Investigation Report, El Paso Natural Gas Company's Blanco Plant, San Juan County, New Mexico*. January 1989.

K.W. Brown and Associates, Inc., 1990. *Site Investigation of the Blanco Plant, San Juan County, New Mexico*. Prepared for El Paso Natural Gas Company. February 1990.

MWH, 2011. *2011 Groundwater Report for the Blanco Plant South Flare Pit and D Plant Areas*. March 2012.

Figures

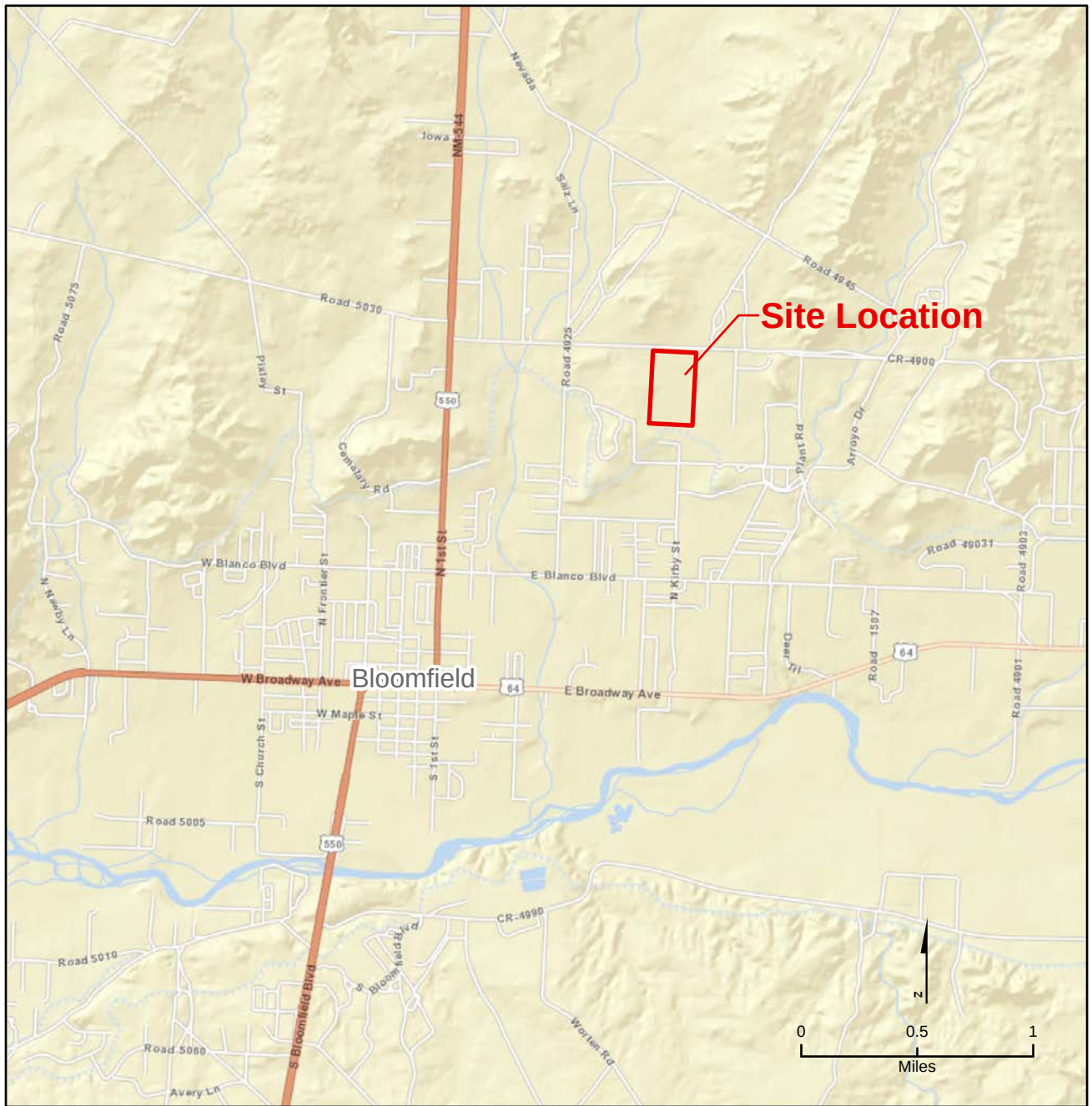


FIGURE 1
Site Location Map
 Blanco Plant South Flare Pit
 South Gas Plant Site
Bloomfield, New Mexico



LEGEND

- Monitoring_Wells
- Property Boundary
- Site Feature
- Former Flare Pit
- Public Irrigation Ditch
- Fence

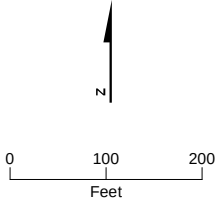


FIGURE 2
Site Plan
Blanco Plant South Flare Pit
South Gas Plant Site
Bloomfield, New Mexico

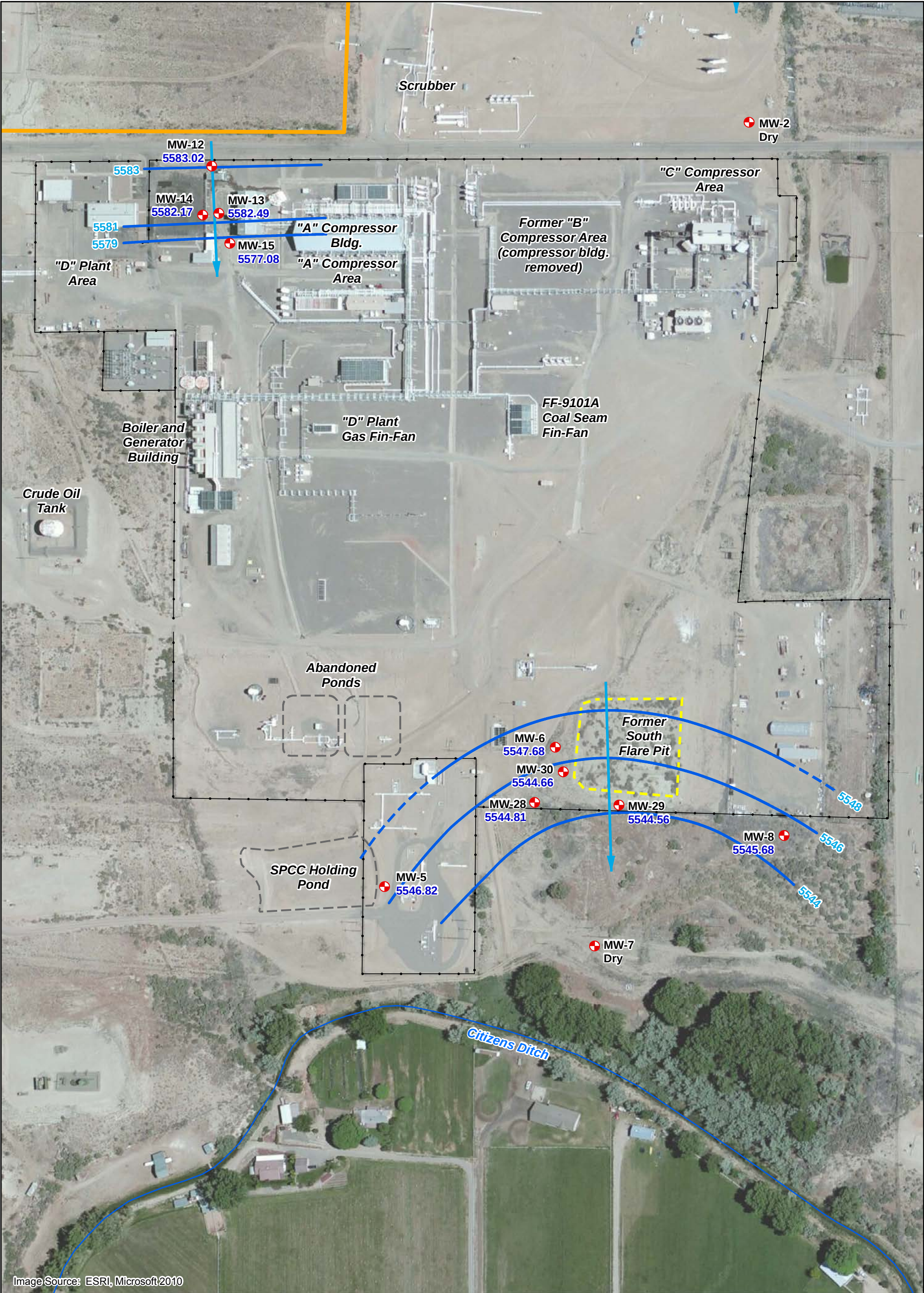


Image Source: ESRI, Microsoft 2010

LEGEND

- Monitoring_Wells
- Site Feature
- Public Irrigation Ditch
- Fence
- Property Boundary
- 5546.82 Groundwater Elevation
- Former Flare Pit
- Groundwater Elevation Contour (Dashed where inferred)
- Groundwater Flow Direction

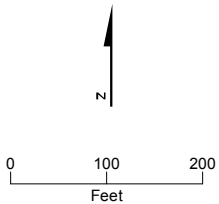


FIGURE 3
Potentiometric Surface Map – December 2013
Blanco Plant South Flare Pit
South Gas Plant Site
Bloomfield, New Mexico

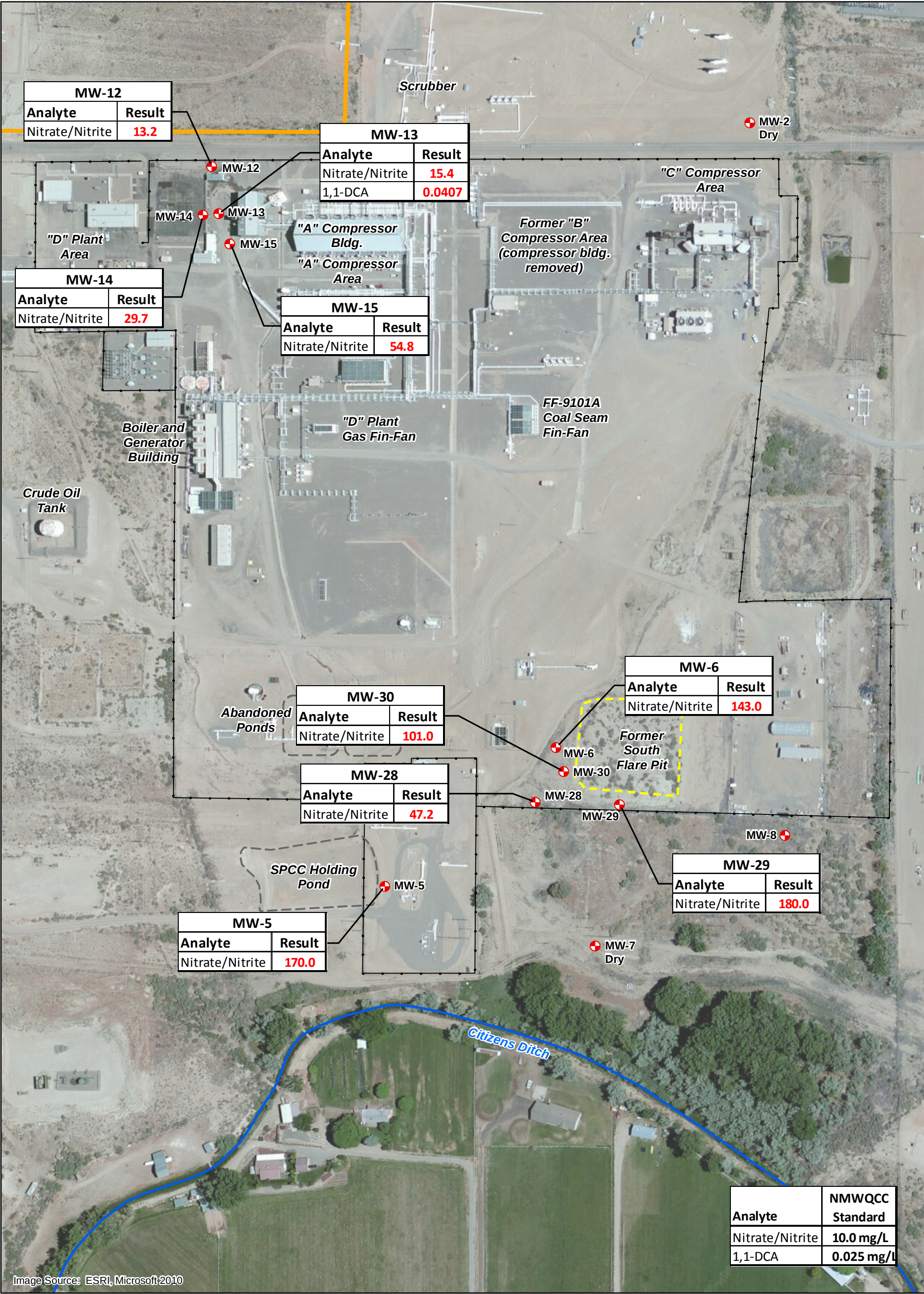


Image Source: ESRI, Microsoft 2010

LEGEND

- Monitoring_Wells
- Property Boundary
- Site Feature
- Former Flare Pit
- Public Irrigation Ditch
- Fence

Notes:
1. Groundwater analytical results are in milligrams per Liter (mg/L)

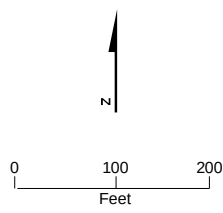


FIGURE 4
Groundwater Exceedances of NMWQCC Standards
Blanco Plant South Flare Pit
South Gas Plant Site
Bloomfield, New Mexico

Tables

Table 1

Groundwater Elevation Data

Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield, New Mexico

Monitoring Well	Measurement Date	Depth to Water (ft BTOC)	GW Elevation (ft AMSL)
W-2	9/28/1988	49.6	5569.04
	1/15/1990	51.87	5566.77
	6/18/1991	NA	NA
	10/13/1992	55.48	5563.16
	2/23/1993	NA	NA
	6/8/1993	NA	NA
	9/29/1993	NA	NA
	2/10/1994	NA	NA
	5/13/1994	NA	NA
	8/22/1994	NA	NA
	11/9/2000	Dry	5560.04
	3/25/2001	Dry	5560.04
	6/2/2003	Dry	5560.04
	8/4/2003	Dry	5560.04
	9/3/2003	Dry	5560.04
	12/16/2003	Dry	5560.04
	5/17/2004	Dry	5560.04
	8/23/2004	Dry	5560.04
	11/22/2004	Dry	5560.04
	2/23/2005	Dry	5560.04
	5/23/2005	Dry	5560.04
	8/30/2005	Dry	5560.04
	11/17/2005	Dry	5560.04
	2/21/2006	Dry	5560.04
	6/8/2006	Dry	5560.04
	8/15/2006	Dry	5560.04
	11/3/2006	Dry	5560.04
	2/26/2007	Dry	5560.04
	5/29/2007	Dry	5560.04
	8/22/2007	Dry	5560.04
	11/28/2007	Dry	5560.04
	2/20/2008	Dry	5560.04
	5/22/2008	Dry	5560.04
	8/21/2008	Dry	5560.04
	12/17/2013	Dry	Dry

Table 1

Groundwater Elevation Data

Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield, New Mexico

Monitoring Well	Measurement Date	Depth to Water (ft BTOC)	GW Elevation (ft AMSL)
MW-5	9/23/1988	13.15	5553.35
	1/8/1990	14.05	5551.80
	6/18/1991	NA	NA
	2/19/1993	NA	NA
	6/7/1993	NA	NA
	1/27/1994	NA	NA
	8/8/2000	NA	NA
	8/8/2000	NA	NA
	11/10/2000	NA	NA
	8/28/2001	NA	NA
	9/24/2002	NA	NA
	6/3/2003	20.36	5545.49
	5/17/2004	Dry	Dry
	5/31/2005	Dry	Dry
	6/8/2006	Dry	Dry
	6/20/2007	20.40	5545.45
	5/22/2008	20.47	5545.38
	5/28/2009	20.46	5545.39
	5/25/2010	20.44	5545.41
	10/19/2011	18.40	5547.45
	12/18/2013	19.68	5546.82
MW-6	9/21/1988	22.91	5554.09
	1/8/1990	21.22	5553.0659
	6/19/1991	NA	NA
	1/1/1992	NA	NA
	2/19/1993	NA	NA
	6/7/1993	NA	NA
	9/28/1993	NA	NA
	10/7/1993	NA	NA
	1/26/1994	NA	NA
	8/20/1994	NA	NA
	12/20/1994	NA	NA
	2/16/1995	NA	NA
	11/10/2000	NA	NA
	8/28/2001	NA	NA
	9/24/2002	29.12	5545.17
	6/3/2003	29.62	5544.67
	5/17/2004	NA	NA
	5/31/2005	NA	NA
	6/8/2006	30.94	5543.35
	6/20/2007	29.64	5544.65
	5/22/2008	29.65	5544.64
	5/28/2009	29.66	5544.63
	5/25/2010	29.67	5544.62
	10/19/2011	29.53	5544.76
	12/18/2013	29.32	5547.68

Table 1

Groundwater Elevation Data

Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield, New Mexico

Monitoring Well	Measurement Date	Depth to Water (ft BTOC)	GW Elevation (ft AMSL)
MW-7	9/22/1988	19.28	5549.72
	1/8/1990	17.65	5549.57
	6/18/1991	NA	NA
	6/7/1993	NA	NA
	9/27/1993	NA	NA
	8/28/2001	Dry	Dry
	5/29/2002	Dry	Dry
	9/24/2002	Dry	Dry
	6/3/2003	Dry	Dry
	5/17/2004	Dry	Dry
	5/31/2005	Dry	Dry
	6/8/2006	Dry	Dry
	6/20/2007	Dry	Dry
	5/22/2008	Dry	Dry
	5/28/2009	Dry	Dry
	5/25/2010	Dry	Dry
	10/19/2011	Dry	Dry
	12/18/2013	Dry	Dry
MW-8	9/23/1988	28.79	5551.51
	1/8/1990	26.47	5551.94
	6/18/1991	NA	NA
	2/19/1993	NA	NA
	6/7/1993	NA	NA
	9/27/1993	NA	NA
	1/27/1994	NA	NA
	11/10/2000	NA	NA
	3/23/2001	NA	NA
	8/28/2001	35.76	5544.51
	5/28/2002	NA	NA
	6/3/2003	34.05	5544.36
	5/17/2004	34.41	5544.00
	5/31/2005	34.66	5543.75
	6/8/2006	34.69	5543.72
	6/20/2007	33.60	5544.81
	5/22/2008	33.22	5545.19
	5/28/2009	33.96	5544.45
	5/25/2010	34.40	5544.01
	10/19/2011	Dry	Dry
	12/18/2013	34.62	5545.68

Table 1

Groundwater Elevation Data

Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield, New Mexico

Monitoring Well	Measurement Date	Depth to Water (ft BTOC)	GW Elevation (ft AMSL)
MW-12	5/28/2002	20.95	5580.73
	6/3/2003	16.99	5584.69
	5/17/2004	16.59	5585.09
	5/31/2005	15.65	5586.03
	6/8/2006	18.62	5583.06
	6/20/2007	16.55	5585.13
	5/22/2008	16.04	5585.64
	5/28/2009	17.20	5584.48
	5/24/2010	15.90	5585.78
	10/19/2011	16.94	5584.74
	12/18/2013	18.02	5583.02
MW-13	5/28/2002	16.76	5580.79
	6/3/2003	14.44	5583.11
	5/17/2004	14.12	5583.43
	5/31/2005	13.43	5584.12
	6/8/2006	15.60	5581.95
	6/20/2007	14.33	5583.22
	5/22/2008	13.91	5583.64
	5/28/2009	14.55	5583.00
	5/25/2010	14.60	5582.95
	10/19/2011	13.65	5583.90
	12/18/2013	14.95	5582.49
MW-14	5/28/2002	21.57	5576.62
	6/3/2003	19.85	5578.34
	5/17/2004	19.78	5578.41
	5/31/2005	18.81	5579.38
	6/8/2006	20.03	5578.16
	6/20/2007	18.43	5579.76
	5/22/2008	16.20	5581.99
	5/28/2009	16.30	5581.89
	5/25/2010	15.55	5582.64
	10/19/2011	15.03	5583.16
	12/18/2013	15.90	5582.17
MW-15	5/28/2002	20.33	5576.25
	6/3/2003	18.85	5577.73
	5/17/2004	18.475	5578.11
	5/31/2005	17.80	5578.78
	6/8/2006	19.68	5576.90
	6/20/2007	18.83	5577.75
	5/22/2008	18.12	5578.46
	5/28/2009	18.83	5577.75
	5/25/2010	18.53	5578.05
	10/19/2011	18.02	5578.56
	12/18/2013	19.24	5577.08

Table 1

Groundwater Elevation Data

Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield, New Mexico

Monitoring Well	Measurement Date	Depth to Water (ft BTOC)	GW Elevation (ft AMSL)
MW-28	10/7/1993	23.12	5549.59
	2/2/1994	NA	NA
	8/20/1994	NA	NA
	12/20/1994	NA	NA
	2/16/1995	NA	NA
	8/10/2000	NA	NA
	11/10/2000	NA	NA
	3/23/2001	NA	NA
	8/28/2001	NA	NA
	5/28/2002	NA	NA
	6/3/2003	29.68	5543.03
	5/17/2004	30.71	5542.00
	5/31/2005	30.22	5542.49
	6/8/2006	29.30	5543.41
	6/20/2007	28.58	5544.13
	5/22/2008	29.04	5543.67
	5/28/2009	28.66	5544.05
	5/25/2010	29.79	5542.92
	10/19/2011	27.47	5545.24
	12/18/2013	27.9	5544.81
MW-29	10/7/1993	26.4	5548.81
	2/2/1994	NA	NA
	8/20/1994	NA	NA
	12/20/1994	NA	NA
	2/16/1995	NA	NA
	8/10/2000	NA	NA
	11/10/2000	NA	NA
	3/26/2001	NA	NA
	8/28/2001	NA	NA
	5/28/2002	NA	NA
	6/3/2003	31.86	5543.35
	5/17/2004	32.21	5543.00
	5/31/2005	32.21	5543.00
	6/8/2006	31.77	5543.54
	6/20/2007	30.86	5544.45
	5/22/2008	30.17	5545.14
	5/28/2009	31.80	5543.41
	5/25/2010	31.87	5543.34
	10/19/2011	30.02	5545.29
	12/18/2013	30.75	5544.56

Table 1

Groundwater Elevation Data

Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield, New Mexico

Monitoring Well	Measurement Date	Depth to Water (ft BTOC)	GW Elevation (ft AMSL)
MW-30	10/7/1993	25.63	5549.5787
	2/2/1994	NA	NA
	8/20/1994	NA	NA
	2/16/1995	NA	NA
	8/10/2000	NA	NA
	11/10/2000	NA	NA
	3/26/2001	NA	NA
	8/28/2001	NA	NA
	5/28/2002	NA	NA
	6/3/2003	NA	NA
	5/17/2004	32.21	5543.00
	5/31/2005	32.28	5542.93
	6/8/2006	31.74	5543.47
	6/20/2007	31.01	5544.20
	5/22/2008	31.20	5544.01
	5/28/2009	31.85	5543.36
	5/25/2010	31.91	5543.30
	10/19/2011	30.24	5544.97
	12/18/2013	30.55	5544.66

Notes:

NA - Not Available

ft BTOC - feet below top of casing

ft AMSL - feet above mean sea level

Table 2
Summary of Groundwater Volatile Organic Compound Analytical Results
Blanco Gas Plant - D Plant Area, Bloomfield, New Mexico

Monitoring Well	Sample Date	1,1-DCA	1,1-DCB	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
NMWQCC Standard (mg/L):		0.025	NE	0.005	NE	NE	0.1	0.02
MW-12	5/28/2002	0.021	0.0052	<0.001	0.0017	0.02	0.008	0.003
	6/3/2003	0.0082	0.0034	<0.002	<0.002	0.0082	0.0045	0.0032
	5/17/2004	0.0046	0.0034	<0.002	<0.002	0.0051	0.004	0.0023
	5/31/2005	0.0223	<0.002	<0.002	<0.002	0.0188	0.0207	<0.002
	6/8/2006	0.0087	0.0045	<0.002	0.00087	0.0107	0.0047	0.0025
	6/20/2007	0.0036	0.003	<0.002	<0.002	0.0044	0.003	0.0019
	5/22/2008	0.0061	0.0053	<0.002	0.00069	0.0082	0.0031	0.0024
	5/28/2009	0.0042	0.0041	<0.002	<0.002	0.005	0.0026	0.002
	5/24/2010	0.0029	0.0039	<0.0021	0.00052	0.0049	0.0025	0.0019
	10/19/2011	0.0035	0.0052	<0.002	0.00079	0.0065	0.0029	0.0022
	12/18/2013	0.00253	NA	<0.00019	0.000384 J	0.00377	0.00193	0.0015
MW-13	5/28/2002	0.061	0.079	0.0013	0.0082	0.045	0.039	0.0016
	6/3/2003	0.0538	0.0505	0.0014	0.0082	0.033	0.0351	0.0014
	5/17/2004	0.0412	0.0292	<0.002	0.004	0.0212	0.0225	<0.002
	5/31/2005	0.0507	<0.002	<0.002	0.0057	0.0266	0.0213	<0.002
	6/8/2006	0.0488	0.0531	0.0052	0.0052	0.0358	0.0269	<0.002
	6/20/2007	0.0588	0.0639	0.0012	0.0078	0.0436	0.0296	0.0011
	5/22/2008	0.0449	0.0699	0.00086	0.005	0.0323	0.0245	0.00095
	5/28/2009	0.049	0.0572	0.00088	0.0059	0.0343	0.0188	0.0012
	5/25/2010	0.0487	0.0482	0.0011	0.0062	0.0415	0.0186	0.0012
	10/19/2011	0.044	0.0507	0.00093	0.0054	0.0344	0.0168	<0.001
	12/18/2013	0.0407	NA	0.000807 J	0.00389	0.0269	0.0142	0.00114
MW-14	5/28/2002	0.0087	<0.001	<0.001	<0.001	0.0029	0.0019	<0.001
	6/3/2003	0.0095	<0.002	<0.002	<0.002	0.0033	0.0024	<0.002
	5/17/2004	0.0057	<0.002	<0.002	<0.002	0.0021	0.0016	<0.002
	5/31/2005	0.0047	<0.002	<0.002	<0.002	<0.002	<0.002	0.0012
	6/8/2006	0.0089	<0.002	<0.002	<0.002	0.0034	0.0018	<0.002
	6/20/2007	0.0242	0.0238	<0.002	0.0027	0.0142	0.011	<0.002
	5/22/2008	0.0093	0.0047	<0.002	<0.002	0.0034	0.003	<0.002
	5/28/2009	0.0064	0.0021	<0.002	<0.002	0.0014	0.0015	<0.002
	5/25/2010	0.0072	0.0035	<0.002	<0.002	0.0026	0.0021	<0.002
	10/19/2011	0.0083	0.0052	<0.001	0.00042	0.0033	0.0026	0.00052
	12/18/2013	0.00873	NA	<0.00019	0.000192 J	0.00135	0.00118	0.000208 J
MW-15	5/28/2002	0.0053	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	6/3/2003	0.006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/17/2004	0.0063	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/31/2005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	6/8/2006	0.0043	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	6/20/2007	0.0048	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/22/2008	0.0036	<0.002	<0.002	<0.002	0.00064	<0.002	<0.002
	5/28/2009	0.0033	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/25/2010	0.0027	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	10/19/2011	0.003	<0.001	<0.001	<0.001	0.00044	<0.001	<0.001
	12/18/2013	0.00321	NA	<0.00019	<0.00009	0.000465 J	0.000324 J	<0.00013

Notes:

mg/L - milligrams per liter

NE - No NMWQCC standard established for this compound

J - chemical detected at concentration above instrument

detection limit but below method detection limit

< = not detected above listed method detection limit

Bold text indicates detected concentration

NMWQCC - New Mexico Water Quality Control Commission

1,1-DCA: 1,1-Dichloroethane

1,1-DCB: 1,1-Dichlorobenzene

trans-1,2-DCE: trans-1,2-Dichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethene

1,1-DCE: 1,1-Dichloroethene

PCE: Perchloroethene

TCE: Trichloroethene

Table 3

Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield,
New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)
NMWQCC Standard: 10 mg/L		
MW-2	9/21/1988	290
	6/18/1991	180
	2/23/1993	256
	6/8/1993	228
	9/29/1993	233
	2/10/1994	249
	5/29/2002	Dry
	6/3/2003	Dry
	5/17/2004	Dry
	5/30/2005	Dry
	6/8/2006	Dry
	6/20/2007	Dry
	5/22/2008	Dry
	5/28/2009	Dry
	5/25/2010	Dry
	10/19/2011	Dry
MW-5	9/23/1988	0.02
	6/18/1991	0.08
	2/19/1993	<1.0
	6/7/1993	<1.0
	8/27/2001	NS
	1/27/1994	<1.0
	8/8/2000	4.6
	8/8/2000	4.6
	11/10/2000	4
	9/24/2002	Dry
	6/3/2003	Dry
	5/17/2004	Dry
	5/30/2005	Dry
	6/8/2006	Dry
	6/20/2007	15
	5/22/2008	9.2
	5/28/2009	10
	5/25/2010	16.7
	10/19/2011	23.7
	12/18/2013	170

Table 3

Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield,
New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)
NMWQCC Standard: 10 mg/L		
MW-6	9/21/1988	51
	6/19/1991	110
	2/19/1993	63.5
	6/7/1993	76.4
	9/28/1993	85.9
	10/7/1993	94.5
	1/26/1994	95.8
	8/20/1994	1.68
	8/27/2001	NS
	12/20/1994	94
	2/16/1995	90.6
	11/10/2000	59
	9/24/2002	95.1
	6/3/2003	74
	5/17/2004	Dry
	5/30/2005	NS
	6/8/2006	NS
	6/20/2007	92
	5/22/2008	100
	5/28/2009	71.2
	5/25/2010	103
	10/19/2011	99.7
	12/18/2013	143
MW-7	9/22/1988	0.3
	6/18/1991	0.28
	6/7/1993	3
	9/27/1993	<2.8
	5/29/2002	Dry
	9/24/2002	Dry
	6/3/2003	Dry
	5/17/2004	Dry
	5/30/2005	Dry
	6/8/2006	Dry
	6/20/2007	Dry
	5/22/2008	Dry
	5/28/2009	Dry
	5/25/2010	Dry
	10/19/2011	Dry

Table 3

Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield,
New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)
NMWQCC Standard: 10 mg/L		
MW-8	9/23/1988	<0.1
	6/18/1991	<0.06
	2/19/1993	1.95
	6/7/1993	<1.0
	9/27/1993	<1.0
	1/27/1994	<1.0
	11/10/2000	<0.1
	3/23/2001	0.21
	8/28/2001	0.33
	5/28/2002	0.26
	6/3/2003	0.13
	5/17/2004	0.43
	5/31/2005	0.3
	6/8/2006	0.3
	6/20/2007	0.5
	5/22/2008	0.16
	5/28/2009	<2.0
	5/25/2010	0.19
	10/19/2011	Dry
	12/18/2013	0.122
MW-10	9/24/1988	1
	6/18/1991	0.74
	2/19/1993	1.19
	6/7/1993	2.16
	9/27/1993	2.1
	1/27/1994	1.95
	5/28/2002	Dry
	9/24/2002	Dry
	6/3/2003	NS
	12/1/2003	Abandoned

Table 3

Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield,
New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)
NMWQCC Standard: 10 mg/L		
MW-12	1/15/1990	9.6
	6/19/1991	7.8
	2/25/1993	7.82
	6/7/1993	8.45
	9/28/1993	9.1
	1/27/1994	7.32
	8/8/2000	<10
	11/9/2000	5.7
	3/22/2001	8.4
	8/28/2001	8
	5/28/2002	2
	6/3/2003	6.7
	5/17/2004	7.6
	5/31/2005	8.6
	6/8/2006	6.5
	6/20/2007	7.6
	5/22/2008	6.7
	5/28/2009	4.3
	5/25/2010	7.2
	10/19/2011	6.2
	12/18/2013	13.2
MW-13	1/15/1990	16.4
	6/19/1991	6.3
	2/24/1993	10.9
	6/8/1993	8.09
	9/28/1993	4.1
	1/27/1994	5.37
	8/8/2000	<12.5
	11/9/2000	9.8
	3/22/2001	13
	8/28/2001	7.9
	5/28/2002	6
	6/3/2003	5.8
	5/17/2004	9.8
	5/31/2005	8.2
	6/8/2006	8.2
	6/20/2007	6.1
	5/22/2008	3.9
	5/28/2009	4.8
	5/25/2010	4.6
	10/19/2011	5.5
	12/18/2013	15.4

Table 3

Summary of Groundwater Nitrate/Nitrite Analytical Results
*Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield,
 New Mexico*

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)
NMWQCC Standard: 10 mg/L		
MW-14	1/15/1990	210
	2/25/1993	19.2
	6/8/1993	17.5
	9/28/1993	11.8
	1/27/1994	15.4
	8/8/2000	19
	11/13/2000	0.24
	3/22/2001	13
	8/28/2001	20
	5/28/2002	15
	6/3/2003	15
	5/17/2004	16
	5/31/2005	24
	6/8/2006	14
	6/20/2007	15
	5/22/2008	13.3
	5/28/2009	7.8
	5/25/2010	15.5
	10/19/2011	13.9
	12/18/2013	29.7
MW-15	1/15/1990	89
	6/19/1991	50
	2/24/1993	5
	6/8/1993	48.1
	9/28/1993	43
	1/27/1994	43.7
	8/8/2000	35
	11/9/2000	38
	3/22/2001	25
	8/28/2001	30
	5/28/2002	24
	6/3/2003	21
	5/17/2004	20
	5/31/2005	35
	6/8/2006	17
	6/20/2007	18
	5/22/2008	21.6
	5/28/2009	12
	5/25/2010	22.9
	10/19/2011	24.8
	12/18/2013	54.8

Table 3

Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield,
New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)
NMWQCC Standard: 10 mg/L		
MW-16	6/19/1991	0.07
	2/25/1993	3.68
	6/8/1993	<1.0
	6/3/2003	NS
	12/1/2003	Abandoned
MW-17	2/25/1993	15.3
	9/24/2002	Dry
	6/3/2003	NS
	12/1/2003	Abandoned
MW-18	2/25/1993	8.19
	6/8/1993	<1.0
	9/28/1993	<1.0
	9/24/2002	3.1
	6/3/2003	NS
	12/1/2003	Abandoned
MW-28	10/7/1993	2.1
	2/2/1994	2.83
	8/20/1994	2.72
	12/20/1994	0.33
	2/16/1995	1.56
	8/10/2000	25
	11/10/2000	53
	3/23/2001	34
	8/28/2001	63
	5/28/2002	83
	6/3/2003	87
	5/17/2004	82
	5/31/2005	85
	6/8/2006	68
	6/20/2007	42
	5/22/2008	38.5
	5/28/2009	22.7
	5/25/2010	51.4
	10/19/2011	29.8
	12/18/2013	47.2

Table 3

Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant - D Plant Area and South Flare Pit, Bloomfield,
New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)
NMWQCC Standard: 10 mg/L		
MW-29	10/7/1993	8.3
	2/2/1994	19.6
	8/20/1994	28.84
	12/20/1994	41
	2/16/1995	28.1
	8/10/2000	50
	11/10/2000	66
	3/26/2001	70
	8/28/2001	58
	5/28/2002	70
	6/3/2003	79
	5/17/2004	88
	5/31/2005	97
	6/8/2006	71
	6/20/2007	79
	5/22/2008	72.5
	5/28/2009	46.2
	5/25/2010	79.9
	10/19/2011	77.7
	12/18/2013	180
MW-30	10/7/1993	28.1
	2/2/1994	57.1
	8/20/1994	67.63
	2/16/1995	91.3
	8/10/2000	84
	11/10/2000	70
	3/26/2001	72
	8/28/2001	76
	5/28/2002	66
	6/3/2003	58
	5/17/2004	52
	5/31/2005	58
	6/20/2007	57
	5/22/2008	43.2
	5/28/2009	16.9
	5/25/2010	34.8
	10/19/2011	51.3
	12/18/2013	101

Notes:

NS - Not sampled

< = not detected above listed method detection limit

Bold text indicates detected concentration

Highlighted and bold cells indicate concentration exceeded

NMWQCC standard

Appendix A

Groundwater Sampling Forms

CH2MHILL

PROJECT NUMBER

WELL ID

MW-6

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT: Blanco Gas Plant - South Site

LOCATION: Bloomfield, NM

WEATHER (wind/temp/ppt): Sunny 35°

OTHER NOTABLE FIELD CONDITIONS:

INITIAL ORGANIC VAPOR METER READINGS: 0.0

INITIAL DEPTH TO WATER: 29.32 TOTAL DEPTH OF WELL: 31.3 SCREENED INTERVAL:

PURGE VOLUME CALCULATION: $1.90 \times .653 = 1.29 = 3.87 \text{ gals}$

METHOD OF PURGING: Bailer

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED:

Well Purging Information

1105

[illegible]

Sample Information

SAMPLE DATE: 12/18/13

SAMPLE TYPE: normal

SAMPLE MATRIX: GW

SAMPLING PERSONNEL: LH

SPLIT SAMPLES OBTAINED BY:

SAMPLING METHOD: Grab

SAMPLE TEMP/pH/EC/TURB/DO: See measurements above

SAMPLE ID(s): Bianco South MW - 12182013

DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No./Volume/Type	Preservatives (ice, acids,.)	Analytical Method	Laboratory
Blanco South-Nube-121720	3/1/20	1-250 mL poly	H ₂ SO ₄	Nitrate/Nitrite Test	AmeriCal

Initials of sampling personnel

LH

CH2MHILL

PROJECT NUMBER

WELL ID

MW-2

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT: Blanco Gas Plant - South Site

LOCATION: Bloomfield, NM

WEATHER (wind/temp/ppt): Sunny 32°

OTHER NOTABLE FIELD CONDITIONS:

INITIAL ORGANIC VAPOR METER READINGS: 0.0

INITIAL DEPTH TO WATER: 34.62

TOTAL DEPTH OF WELL: 36.7

SCREENED INTERVAL:

PURGE VOLUME CALCULATION: $2.08 \times .653 = 1.35 \times 3 = 4.07$

METHOD OF PURGING: low flow / Bailing

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: Horiba U-52 Hach 2100P

Well Purging Information

[illegible]

Sample Information

SAMPLE DATE: 12/18/13

SAMPLE TYPE: normal

SAMPLE MATRIX: GW

SAMPLING PERSONNEL: LH

SPLIT SAMPLES OBTAINED BY:

SAMPLING METHOD: Grab

SAMPLE TEMP/pH/EC/TURB/DO: See measurements above

SAMPLE ID(s): Blanco South - MUNO - 1218203

DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No./Volume/Type	Preservatives (ice, acids,)	Analytical Method	Laboratory
Blanco SAH-M100-12172013	1040	1-250 mL poly	H ₂ SO ₄	Nitrate/Nitrite Test	Agency

Initials of sampling personnel

LH

PROJECT NUMBER

WELL ID

MW-12

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT: Blanco Gas Plant - South Site

LOCATION: Bloomfield, NM

WEATHER (wind/temp/ppt): Sunny 45°

OTHER NOTABLE FIELD CONDITIONS:

INITIAL ORGANIC VAPOR METER READINGS: 0.0

INITIAL DEPTH TO WATER: 18.02

TOTAL DEPTH OF WELL: 26.1

SCREENED INTERVAL:

PURGE VOLUME CALCULATION: $8.08 \times .163 = 1.31 \times 3 = 3.95$

METHOD OF PURGING: LOW FLOW

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: Horiba U-52 Hach 210012

Well Purging Information

Date Time	Total (gals) ML	Temp (°C)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO	ORP	Remarks (color, odor, sheen, sediment, etc.)
12/10/13	2950	16.75	7.61	8.00	52.0	1.63	26	clear, no odor
1455	5900	16.85	7.58	8.02	21.7	1.17	13	"
1500	8850	16.90	7.58	8.08	10.3	1.0	8	"
1505	11800	16.86	7.58	8.10	6.51	.90	6	"
1510	14750	16.85	7.57	8.15	1.99	.76	2	"
1515	17100	16.84	7.58	8.24	1.76	.74	2	"
		MET PURGE VOLUME						

Sample Information

SAMPLE DATE: 12/18/13

SAMPLE TYPE: MS/MSD

SAMPLE MATRIX: GW

SAMPLING PERSONNEL: LH

SPLIT SAMPLES OBTAINED BY:

SAMPLING METHOD: Grab

SAMPLE TEMP/pH/EC/TURB/DO: See measurements above

SAMPLE ID(s): Blanco South - MW 12-12182013

DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

BlancoSouth--MW12-12182013 MS
BlancoSouth--MW12-12182013 MSD

Sample ID	Sample Time	Sample Containers No./Volume/Type	Preservatives (ice, acids,)	Analytical Method	Laboratory
Blanco South-MW12-12182013	1510	3-40ML VOA	HCl	VOC	TEST America
Blanco South-MW12-12182013	1520	1-750 ML POLY	H ₂ SO ₄	Nitrate/Nitrite	11
Blanco South-MW12-12182013	1530	1-40ML VOA	HCl	VOC	11
11		1-750 ML VOA	H ₂ SO ₄	Nitrate/Nitrite	11

Initials of sampling personnel

LH

Initials of sampling personnel LH
Bianco South-MW12-12182013MSD 1520 3-40MLVOA HU VOC TEST AMERICA

Blanco South-MW 12-12182013 MSD 1520 1-250mL Poly H2SO4 Nitrate/Nitrite Test Americy

CH2MHILL

PROJECT NUMBER

WELL ID

MW-14

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT: Blanco Gas Plant - South Site

LOCATION: Bloomfield, NM

WEATHER (wind/temp/ppt): Sunny 40°

OTHER NOTABLE FIELD CONDITIONS:

INITIAL ORGANIC VAPOR METER READINGS: 0.0

INITIAL DEPTH TO WATER: 15.9 TOTAL DEPTH OF WELL: 27.54 SCREENED INTERVAL:

PURGE VOLUME CALCULATION: $11.64 \times 163 = 1897 \times 3 = 5.69 \text{ gal}$

METHOD OF PURGING: LOW FLOW PERISTALTIC

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: Horiba U-52 Hach 7100P

Well Purging Information

[illegible]

Sample Information

SAMPLE DATE: 12/17/13

SAMPLE TYPE: normal

SAMPLE MATRIX: GW

SAMPLING PERSONNEL: LH

SPLIT SAMPLES OBTAINED BY:

SAMPLING METHOD: Grab

SAMPLE TEMP/pH/EC/TURB/DO: See measurements above

SAMPLE ID(s): BLANCOSEP-MW14-12172013

DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

BLANCO SFP - MDOZ-12-17-2013

Sample ID	Sample Time	Sample Containers No./Volume/Type	Preservatives (ice, acids,)	Analytical Method	Laboratory
BLANCOSEP - MNH - 12172013	1620	3- 40 mL VOAS	HCl	VOC	Test America
BLANCOSEP - MNH - 12172013	1620	1- 250 mL poly	H ₂ SO ₄	Nitrate/Nitrite	Test America
BLANCOSEP - MD02-12172013	1620	3- 40 mL VOAS	HCl	VOC	Test America

Initials of sampling personnel

LH

There is a well north of MW-14 That is not marked or capped.

PROJECT NUMBER

WELL ID

MW-15

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT: Blanco Gas Plant - South Site

LOCATION: Bloomfield, NM

WEATHER (wind/temp/ppt): Sunny 370

OTHER NOTABLE FIELD CONDITIONS:

INITIAL ORGANIC VAPOR METER READINGS:

INITIAL DEPTH TO WATER: 19.24 TOTAL DEPTH OF WELL: 27.81 SCREENED INTERVAL:

PURGE VOLUME CALCULATION: $8.03 \times 103 = 1.40 \times 3 = 4.22$

METHOD OF PURGING: low flow

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: Horiba U-52 Hach 2100P

Well Purging Information

Date Time	Total Flow (gallons) NL	Temp (°C)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO	ORP	Remarks (color, odor, sheen, sediment, etc.)
12/18/13 1635	500	15.45	4.38	19.6	1000+	1.10	255	turbid, no odor
1640	1000	16.47	4.32	18.9	208	.81	261	"
1645	1500	16.52	4.43	18.5	154	.81	247	"
1650	2000							
Peristaltic pump not pumping water well due to water level. Attempting to bail water to purge volume. Purged well dry. Let recharge and then sampled.								

Sample Information

SAMPLE DATE: 12/18/13

SAMPLE TYPE:

SAMPLE MATRIX: GW

SAMPLING PERSONNEL: LH

SPLIT SAMPLES OBTAINED BY:

SAMPLING METHOD: Grab

SAMPLE TEMP/pH/EC/TURB/DO: See measurements above

SAMPLE ID(s): BlancoSouth-MW15-12182013

DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No./Volume/Type	Preservatives (ice, acids,)	Analytical Method	Laboratory
Blanco South MWIS-12182013	1715	3-40 mL VOA	HCl	VOA	Test America
Blanco South MWIS-12182013	1715	1-250 mL poly	H ₂ SO ₄	Nitrate/Nitrite	11

Initials of sampling personnel

LH



GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT: Blanco Gas Plant - South Site

WEATHER (wind/temp/ppt): Sunny 400
INITIAL ORGANIC VAPOR METER READINGS: 0.0

INITIAL DEPTH TO WATER: 30.75 TOTAL DEPTH OF WELL: 36.98 SCREENED INTERVAL:

PURGE VOLUME CALCULATION: $6.23 \times .653 = 4.06 \times 3 = 12.20 \text{ gal}$

METHOD OF PURGING: Balling

DISPOSITION OF DISCHARGE WATER:

Well Purging Information

[illegible]

Sample Information

SAMPLE DATE: 12/18/13

SAMPLE TYPE:

SAMPLING PERSONNEL: LH

SPLIT SAMPLES OBTAINED BY:

SAMPLE TEMP/pH/EC/TURB/DO: See measurements above

SAMPLE ID(s): Blanco South - MW29-12182013

DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No./Volume/Type	Preservatives (ice, acids,)	Analytical Method	Laboratory
Blanco South - MW24-12482013	1350	1- 250mL poly	H ₂ SO ₄	Nitrate/Nitrite Test	America

LH

CH2MHILL

PROJECT NUMBER

WELL ID

MW-30

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT: Blanco Gas Plant - South Site

LOCATION: Bloomfield, NM

WEATHER (wind/temp/ppt): Sunny 35°

OTHER NOTABLE FIELD CONDITIONS:

INITIAL ORGANIC VAPOR METER READINGS: 6.0

INITIAL DEPTH TO WATER: 30.55 TOTAL DEPTH OF WELL: 36.54 SCREENED INTERVAL:

PURGE VOLUME CALCULATION: $5.99 \times 653 = 391 \times 3 = 11.73$

METHOD OF PURGING: low flow Bailey

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: Horiba U-52 Hach 2100P

Well Purging Information

1130

Date, Time	Total (gals)	Temp (°C)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO	ORP	Remarks (color, odor, sheen, sediment, etc.)
11:30								
12/18/13								
Bailing well								
1137	1.5	12.15	6.99	6.50	109	2.45	45	clear, no odor
1142	3	12.21	6.99	6.37	81.7	2.30	59	"
1145	4.2	14.60	6.90	6.35	115	2.01	68	"
1148	7	14.53	6.90	6.29	111	1.82	78	"
1151	7.5	14.29	6.98	6.35	118	2.05	78	"
1154	8	14.24	7.0	6.37	160	1.57	87	
well	Bailed	dry	let recharge	and	then	sample		

Sample Information

SAMPLE DATE: 12-18-13

SAMPLE TYPE: normal

SAMPLE MATRIX: GW

SAMPLING PERSONNEL: LH

SPLIT SAMPLES OBTAINED BY:

SAMPLING METHOD: Grab

SAMPLE TEMP/pH/EC/TURB/DO: See measurements above

SAMPLE ID(s): BlancoSouth-MN30-12182013

DUPLICATE/BLANK SAMPLE ID(s):

NOTABLE OBSERVATIONS (color, odor, sand, headspace, etc.):

Sample ID	Sample Time	Sample Containers No./Volume/Type	Preservatives (ice, acids,)	Analytical Method	Laboratory
PincoSum-NN 30-12182013	1210	1-250ml poly	H ₂ SO ₄	Nitrate/Nitrite Test	America

Initials of sampling personnel

LH

Appendix B
2013 Laboratory Analytical Reports

Data Usability Review: Data Package				
Client Name:	Kinder Morgan	Project Number:	477041.03.01	
Project / Affected Property:	Blanco South	Project Manager:	Jeff Minchak	
Laboratory:	TA Houston	Lab SDG # / Job #:	J84406-2	
Reviewer:	Bryan Jones	Date Reviewed:	2/19/2014	
Level of Review / Validation:	III	Date SDG Received:	01/31/14	
ITEM	YES	NO	N/A	COMMENTS
Laboratory Data Package Signature Page included?	☒	☐	☐	
Date of sample collection included?	☒	☐	☐	
Sample receipt temperature 2-6° C?	☒	☐	☐	
Signed COCs included?	☒	☐	☐	
Field ID included?	☒	☐	☐	
Laboratory ID included?	☒	☐	☐	
Date of analysis included?	☒	☐	☐	
Date of sample preparation included?	☒	☐	☐	
Detection levels included?	☒	☐	☐	
Method reference included?	☒	☐	☐	
Sample matrix included?	☒	☐	☐	
Sample results included?	☒	☐	☐	
Supporting QC documentation included?	☒	☐	☐	
Case narrative included, where required?	☒	☐	☐	
Definitions: AA - Atomic Absorption; %D - Percent Difference; ICP - Inductively Coupled Plasma; IDL - Instrument Detection Limit; MDL - Method Detection Limit; MQL - Method Quantitation Limit; %R - Percent Recovery; RF - Response Factor; RPD - Relative Percent Difference; RRT - Relative Retention Time; RSD - Relative Standard Deviation.				
COMMENTS				
VOC - No DV flags applied				
Wet Chem - No DV flags applied				

Client Name:	Kinder Morgan	Project Number:	477041.03.01
Project / Affected Property:	Blanco South	Project Manager:	Jeff Minchak
Laboratory:	TA Houston	Lab SDG # / Job #:	J84406-2
Reviewer:	Bryan Jones	Date Reviewed:	2/19/2014

Notes:
 * SPCC: chloromethane (0.1); 1,1-dichloroethane (0.1); bromoform (0.1); chlorobenzene (0.3); and 1,1,2,2-tetrachloroethane (0.3).
 Definitions: AA - Atomic Absorption; %D - Percent Difference, ICP - Inductively Coupled Plasma; IDL - Instrument Detection Limit; MDL - Method Detection Limit; MQL - Method Quantitation Limit; %R - Percent Recovery; RF - Response Factor; RPD - Relative P

[illegible]

Data Usability Review: General Chemistry

[illegible]

ANALYTICAL REPORT

Job Number: 600-84406-2

Job Description: Blanco South

For:

CH2M Hill Constructors, Inc.

14701 St. Mary's Lane

Suite 300

Houston, TX 77079-2923

Attention: Mr. John Ynfante



Approved for release.
Cathy L. Upton
Project Management Assistant II
1/31/2014 1:57 PM

Cathy L. Upton, Project Management Assistant II
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
01/31/2014

cc: Jeffrey Minchak

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

TestAmerica Laboratories, Inc.

TestAmerica Houston 6310 Rothway Street, Houston, TX 77040

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CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Blanco South

Report Number: 600-84406-2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 12/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2 C and 4.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BlancoSouth-MW14-12172013 (600-84406-8) and BlancoSouth-MD02-12172013 (600-84406-9) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 12/27/2013.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Samples BlancoSouth-MW14-12172013 (600-84406-8) and BlancoSouth-MD02-12172013 (600-84406-9) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 01/03/2014.

Samples BlancoSouth-MW14-12172013 (600-84406-8)[100X] and BlancoSouth-MD02-12172013 (600-84406-9)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the nitrate-nitrite analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-84406-8	BlancoSouth-MW14-12172013	Water	12/17/13 16:20	12/19/13 10:47
600-84406-9	BlancoSouth-MD02-12172013	Water	12/17/13 18:20	12/19/13 10:47

Method Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL HOU

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Detection Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Client Sample ID: BlancoSouth-MW14-12172013

Lab Sample ID: 600-84406-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.217	J	1.00	0.0800	ug/L	1			8260B	Total/NA
1,1-Dichloroethane	8.73		1.00	0.110	ug/L	1			8260B	Total/NA
trans-1,2-Dichloroethene	0.192	J	1.00	0.0900	ug/L	1			8260B	Total/NA
Tetrachloroethene	0.208	J	1.00	0.130	ug/L	1			8260B	Total/NA
Trichloroethene	1.18		1.00	0.180	ug/L	1			8260B	Total/NA
cis-1,2-Dichloroethene	1.35		1.00	0.0600	ug/L	1			8260B	Total/NA
1,2-Dichloroethene, Total	1.54		1.00	0.300	ug/L	1			8260B	Total/NA
Nitrate Nitrite as N	29.7		5.00	1.70	mg/L	100			353.2	Total/NA

Client Sample ID: BlancoSouth-MD02-12172013

Lab Sample ID: 600-84406-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.226	J	1.00	0.0800	ug/L	1			8260B	Total/NA
1,1-Dichloroethane	8.60		1.00	0.110	ug/L	1			8260B	Total/NA
trans-1,2-Dichloroethene	0.154	J	1.00	0.0900	ug/L	1			8260B	Total/NA
Tetrachloroethene	0.210	J	1.00	0.130	ug/L	1			8260B	Total/NA
Toluene	0.172	J	1.00	0.150	ug/L	1			8260B	Total/NA
Trichloroethene	1.08		1.00	0.180	ug/L	1			8260B	Total/NA
Vinyl chloride	0.194	J	2.00	0.110	ug/L	1			8260B	Total/NA
cis-1,2-Dichloroethene	1.35		1.00	0.0600	ug/L	1			8260B	Total/NA
1,2-Dichloroethene, Total	1.50		1.00	0.300	ug/L	1			8260B	Total/NA
Nitrate Nitrite as N	31.4		5.00	1.70	mg/L	100			353.2	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Client Sample ID: BlancoSouth-MW14-12172013

Lab Sample ID: 600-84406-8

Date Collected: 12/17/13 16:20

Matrix: Water

Date Received: 12/19/13 10:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/27/13 12:41	1
Benzene	0.217	J	1.00	0.0800	ug/L			12/27/13 12:41	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/27/13 12:41	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/27/13 12:41	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/27/13 12:41	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/27/13 12:41	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/27/13 12:41	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/27/13 12:41	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/27/13 12:41	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/27/13 12:41	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/27/13 12:41	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/27/13 12:41	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/27/13 12:41	1
1,1-Dichloroethane	8.73		1.00	0.110	ug/L			12/27/13 12:41	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/27/13 12:41	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/27/13 12:41	1
trans-1,2-Dichloroethene	0.192	J	1.00	0.0900	ug/L			12/27/13 12:41	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/27/13 12:41	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/27/13 12:41	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/27/13 12:41	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/27/13 12:41	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/27/13 12:41	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/27/13 12:41	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/27/13 12:41	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/27/13 12:41	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/27/13 12:41	1
Tetrachloroethene	0.208	J	1.00	0.130	ug/L			12/27/13 12:41	1
Toluene	0.150	U	1.00	0.150	ug/L			12/27/13 12:41	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/27/13 12:41	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/27/13 12:41	1
Trichloroethene	1.18		1.00	0.180	ug/L			12/27/13 12:41	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/27/13 12:41	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/27/13 12:41	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/27/13 12:41	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/27/13 12:41	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/27/13 12:41	1
cis-1,2-Dichloroethene	1.35		1.00	0.0600	ug/L			12/27/13 12:41	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/27/13 12:41	1
1,2-Dichloroethene, Total	1.54		1.00	0.300	ug/L			12/27/13 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	73		70 - 130		12/27/13 12:41	1
Dibromofluoromethane	84		62 - 130		12/27/13 12:41	1
4-Bromofluorobenzene	83		67 - 139		12/27/13 12:41	1
1,2-Dichloroethane-d4 (Surr)	101		50 - 134		12/27/13 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	29.7		5.00	1.70	mg/L			01/03/14 12:27	100

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Client Sample ID: BlancoSouth-MD02-12172013

Lab Sample ID: 600-84406-9

Date Collected: 12/17/13 18:20

Matrix: Water

Date Received: 12/19/13 10:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/27/13 12:13	1
Benzene	0.226	J	1.00	0.0800	ug/L			12/27/13 12:13	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/27/13 12:13	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/27/13 12:13	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/27/13 12:13	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/27/13 12:13	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/27/13 12:13	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/27/13 12:13	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/27/13 12:13	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/27/13 12:13	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/27/13 12:13	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/27/13 12:13	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/27/13 12:13	1
1,1-Dichloroethane	8.60		1.00	0.110	ug/L			12/27/13 12:13	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/27/13 12:13	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/27/13 12:13	1
trans-1,2-Dichloroethene	0.154	J	1.00	0.0900	ug/L			12/27/13 12:13	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/27/13 12:13	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/27/13 12:13	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/27/13 12:13	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/27/13 12:13	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/27/13 12:13	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/27/13 12:13	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/27/13 12:13	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/27/13 12:13	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/27/13 12:13	1
Tetrachloroethene	0.210	J	1.00	0.130	ug/L			12/27/13 12:13	1
Toluene	0.172	J	1.00	0.150	ug/L			12/27/13 12:13	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/27/13 12:13	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/27/13 12:13	1
Trichloroethene	1.08		1.00	0.180	ug/L			12/27/13 12:13	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/27/13 12:13	1
Vinyl chloride	0.194	J	2.00	0.110	ug/L			12/27/13 12:13	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/27/13 12:13	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/27/13 12:13	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/27/13 12:13	1
cis-1,2-Dichloroethene	1.35		1.00	0.0600	ug/L			12/27/13 12:13	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/27/13 12:13	1
1,2-Dichloroethene, Total	1.50		1.00	0.300	ug/L			12/27/13 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	80		70 - 130		12/27/13 12:13	1
Dibromofluoromethane	82		62 - 130		12/27/13 12:13	1
4-Bromofluorobenzene	85		67 - 139		12/27/13 12:13	1
1,2-Dichloroethane-d4 (Surr)	100		50 - 134		12/27/13 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	31.4		5.00	1.70	mg/L			01/03/14 12:28	100

TestAmerica Houston

Definitions/Glossary

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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
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)

Surrogate Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DBFM (62-130)	BFB (67-139)	12DCE (50-134)
600-84406-8	BlancoSouth-MW14-12172013	73	84	83	101
600-84406-9	BlancoSouth-MD02-12172013	80	82	85	100
LCS 600-123846/3	Lab Control Sample	74	82	82	97
MB 600-123846/14	Method Blank	81	81	85	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

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

Lab Sample ID: MB 600-123846/14

Matrix: Water

Analysis Batch: 123846

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/27/13 10:18	1
Benzene	0.0800	U	1.00	0.0800	ug/L			12/27/13 10:18	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/27/13 10:18	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/27/13 10:18	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/27/13 10:18	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/27/13 10:18	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/27/13 10:18	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/27/13 10:18	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/27/13 10:18	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/27/13 10:18	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/27/13 10:18	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/27/13 10:18	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/27/13 10:18	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			12/27/13 10:18	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/27/13 10:18	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/27/13 10:18	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			12/27/13 10:18	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/27/13 10:18	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/27/13 10:18	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/27/13 10:18	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/27/13 10:18	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/27/13 10:18	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/27/13 10:18	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/27/13 10:18	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/27/13 10:18	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/27/13 10:18	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			12/27/13 10:18	1
Toluene	0.150	U	1.00	0.150	ug/L			12/27/13 10:18	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/27/13 10:18	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/27/13 10:18	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			12/27/13 10:18	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/27/13 10:18	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/27/13 10:18	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/27/13 10:18	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/27/13 10:18	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/27/13 10:18	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			12/27/13 10:18	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/27/13 10:18	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			12/27/13 10:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	81		70 - 130		12/27/13 10:18	1
Dibromofluoromethane	81		62 - 130		12/27/13 10:18	1
4-Bromofluorobenzene	85		67 - 139		12/27/13 10:18	1
1,2-Dichloroethane-d4 (Surr)	98		50 - 134		12/27/13 10:18	1

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

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

Lab Sample ID: LCS 600-123846/3

Matrix: Water

Analysis Batch: 123846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	19.85		ug/L		99	28 - 152
Benzene	10.0	10.39		ug/L		104	69 - 131
Chlorobromomethane	10.0	8.828		ug/L		88	60 - 141
Bromoform	10.0	9.884		ug/L		99	39 - 149
Bromomethane	10.0	8.168		ug/L		82	52 - 146
2-Butanone (MEK)	20.0	23.37		ug/L		117	59 - 133
Carbon disulfide	10.0	11.18		ug/L		112	32 - 177
Carbon tetrachloride	10.0	12.06		ug/L		121	59 - 147
Dibromochloromethane	10.0	9.007		ug/L		90	58 - 132
Chlorobenzene	10.0	8.438		ug/L		84	60 - 136
Chloroethane	10.0	8.874		ug/L		89	56 - 144
Chloroform	10.0	11.86		ug/L		119	69 - 128
Chloromethane	10.0	12.66		ug/L		127	32 - 151
1,1-Dichloroethane	10.0	11.04		ug/L		110	66 - 126
1,2-Dichloroethane	10.0	12.46		ug/L		125	66 - 140
1,1-Dichloroethene	10.0	10.92		ug/L		109	59 - 145
trans-1,2-Dichloroethene	10.0	9.564		ug/L		96	70 - 132
1,2-Dichloropropane	10.0	10.54		ug/L		105	72 - 125
cis-1,3-Dichloropropene	10.0	9.993		ug/L		100	60 - 135
trans-1,3-Dichloropropene	10.0	9.072		ug/L		91	63 - 133
Ethylbenzene	10.0	11.04		ug/L		110	68 - 128
2-Hexanone	20.0	20.83		ug/L		104	51 - 130
Methylene Chloride	10.0	12.76		ug/L		128	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	21.61		ug/L		108	56 - 142
Styrene	10.0	8.445		ug/L		84	68 - 133
1,1,2,2-Tetrachloroethane	10.0	11.85		ug/L		119	68 - 134
Tetrachloroethene	10.0	6.996		ug/L		70	61 - 142
Toluene	10.0	9.524		ug/L		95	67 - 130
1,1,1-Trichloroethane	10.0	12.49		ug/L		125	65 - 142
1,1,2-Trichloroethane	10.0	9.287		ug/L		93	68 - 130
Trichloroethene	10.0	8.643		ug/L		86	68 - 130
Vinyl acetate	20.0	22.30		ug/L		111	58 - 175
Vinyl chloride	10.0	11.94		ug/L		119	47 - 146
o-Xylene	10.0	9.032		ug/L		90	68 - 134
m-Xylene & p-Xylene	10.0	8.657		ug/L		87	67 - 132
Xylenes, Total	20.0	17.69		ug/L		88	68 - 132
cis-1,2-Dichloroethene	10.0	9.957		ug/L		100	69 - 129
Bromodichloromethane	10.0	11.41		ug/L		114	73 - 130
1,2-Dichloroethene, Total	20.0	19.52		ug/L		98	65 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	74		70 - 130
Dibromofluoromethane	82		62 - 130
4-Bromofluorobenzene	82		67 - 139
1,2-Dichloroethane-d4 (Surr)	97		50 - 134

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 600-124343/10

Matrix: Water

Analysis Batch: 124343

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate Nitrite as N	0.0170	U	0.0500	0.0170	mg/L			01/03/14 11:28	1

Lab Sample ID: LCS 600-124343/11

Matrix: Water

Analysis Batch: 124343

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.050		mg/L		105	90 - 110

QC Association Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

GC/MS VOA

Analysis Batch: 123846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84406-8	BlancoSouth-MW14-12172013	Total/NA	Water	8260B	
600-84406-9	BlancoSouth-MD02-12172013	Total/NA	Water	8260B	
LCS 600-123846/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-123846/14	Method Blank	Total/NA	Water	8260B	

General Chemistry

Analysis Batch: 124343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84406-8	BlancoSouth-MW14-12172013	Total/NA	Water	353.2	
600-84406-9	BlancoSouth-MD02-12172013	Total/NA	Water	353.2	
LCS 600-124343/11	Lab Control Sample	Total/NA	Water	353.2	
MB 600-124343/10	Method Blank	Total/NA	Water	353.2	

Lab Chronicle

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Client Sample ID: BlancoSouth-MW14-12172013

Lab Sample ID: 600-84406-8

Date Collected: 12/17/13 16:20

Matrix: Water

Date Received: 12/19/13 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123846	12/27/13 12:41	DT1	TAL HOU
Total/NA	Analysis	353.2		100	124343	01/03/14 12:27	KRD	TAL HOU

Client Sample ID: BlancoSouth-MD02-12172013

Lab Sample ID: 600-84406-9

Date Collected: 12/17/13 18:20

Matrix: Water

Date Received: 12/19/13 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123846	12/27/13 12:13	DT1	TAL HOU
Total/NA	Analysis	353.2		100	124343	01/03/14 12:28	KRD	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Default Detection Limits

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

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

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	1.00	0.150	ug/L	8260B
1,1,2,2-Tetrachloroethane	1.00	0.220	ug/L	8260B
1,1,2-Trichloroethane	1.00	0.280	ug/L	8260B
1,1-Dichloroethane	1.00	0.110	ug/L	8260B
1,1-Dichloroethene	1.00	0.190	ug/L	8260B
1,2-Dichloroethane	1.00	0.140	ug/L	8260B
1,2-Dichloroethene, Total	1.00	0.300	ug/L	8260B
1,2-Dichloropropane	1.00	0.160	ug/L	8260B
2-Butanone (MEK)	2.00	0.760	ug/L	8260B
2-Hexanone	2.00	0.350	ug/L	8260B
4-Methyl-2-pentanone (MIBK)	2.00	0.450	ug/L	8260B
Acetone	5.00	0.990	ug/L	8260B
Benzene	1.00	0.0800	ug/L	8260B
Bromodichloromethane	1.00	0.160	ug/L	8260B
Bromoform	1.00	0.190	ug/L	8260B
Bromomethane	2.00	0.250	ug/L	8260B
Carbon disulfide	2.00	0.240	ug/L	8260B
Carbon tetrachloride	1.00	0.150	ug/L	8260B
Chlorobenzene	1.00	0.120	ug/L	8260B
Chlorobromomethane	1.00	0.180	ug/L	8260B
Chloroethane	2.00	0.0800	ug/L	8260B
Chloroform	1.00	0.130	ug/L	8260B
Chloromethane	2.00	0.180	ug/L	8260B
cis-1,2-Dichloroethene	1.00	0.0600	ug/L	8260B
cis-1,3-Dichloropropene	1.00	0.180	ug/L	8260B
Dibromochloromethane	1.00	0.150	ug/L	8260B
Ethylbenzene	1.00	0.110	ug/L	8260B
Methylene Chloride	5.00	0.150	ug/L	8260B
m-Xylene & p-Xylene	1.00	0.170	ug/L	8260B
o-Xylene	1.00	0.120	ug/L	8260B
Styrene	1.00	0.0700	ug/L	8260B
Tetrachloroethene	1.00	0.130	ug/L	8260B
Toluene	1.00	0.150	ug/L	8260B
trans-1,2-Dichloroethene	1.00	0.0900	ug/L	8260B
trans-1,3-Dichloropropene	1.00	0.210	ug/L	8260B
Trichloroethene	1.00	0.180	ug/L	8260B
Vinyl acetate	2.00	0.210	ug/L	8260B
Vinyl chloride	2.00	0.110	ug/L	8260B
Xylenes, Total	1.00	0.260	ug/L	8260B

General Chemistry

Analyte	RL	MDL	Units	Method
Nitrate Nitrite as N	0.0500	0.0170	mg/L	353.2

Certification Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Blanco South

TestAmerica Job ID: 600-84406-2

Laboratory: TestAmerica Houston

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-14
Louisiana	NELAP	6	30643	06-30-14
Oklahoma	State Program	6	1309	08-31-14
Texas	NELAP	6	T104704223	10-31-14
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	TX00083	10-31-14

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOALCSGASPT_00040	12/30/13	12/23/13	Methanol, Lot V081313A	1 mL	VOARGASLCS_00001	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGASLCS_00001	02/28/15	RESTEK, Lot A093618			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOALCSPT_00020	01/06/14	12/23/13	Methanol, Lot V081313A	1 mL	VOARKETONLCS_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMixLcs_00001	25 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromodichloromethane	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
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VOARVALCS_00003	25 uL	Vinyl acetate	100 ug/mL
.VOARKETONLCS_00001	02/29/16	Restek, Lot A093472			(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARMegMixLcs_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							o-Xylene	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
Trichloroethene	2000 ug/mL							
Xylenes, Total	4000 ug/mL							
.VOARVALCS_00003	05/31/14		Restek, Lot A098982		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VOARIST_00002	02/28/18		Restek, Lot A093504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
VOASS50PFM_00147	01/06/14	12/23/13	Methanol, Lot V081313A	1 mL	VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VOASTDGASPT_00038	12/16/13	12/09/13	Methanol, Lot V081313A	1 mL	VOARGAS_00001	25 uL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGAS_00001	12/31/14		Restek, Lot A092242		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOASTDGASPT_00040	12/30/13	12/23/13	Methanol, Lot V081313A	1 mL	VOARGAS_00002	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOASTDPT_00021	12/23/13	12/09/13	Methanol, Lot V081313A	1 mL	VOAISOOCTA_00004	25 uL	Isooctane	50 ug/mL
					VOAR2CEVE_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARAcrolein_00006	50 uL	Acrolein	250 ug/mL
					VOARADDCOM_00002	25 uL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Acetonitrile	500 ug/mL
							Benzyl chloride	50 ug/mL
							Ethanol	2500 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					VOARCYCHONE_00001	125 uL	Cyclohexanone	2500 ug/mL
					VOARKETON_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMix_00002	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	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-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropene	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
							Bromodichloromethane	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
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	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
					VOARNR2_00001	25 uL	2-Methylnaphthalene	50 ug/mL
					VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					VOARVA_00001	25 uL	Vinyl acetate	100 ug/mL
.VOAISOOCTA_00004	08/25/21		AccuStd, Lot 211081282		(Purchased Reagent)		Isooctane	2000 ug/mL
.VOAR2CEVE_00001	12/31/15		Restek, Lot A092294		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARAcrolein_00006	01/31/14		Restek, Lot A098249		(Purchased Reagent)		Acrolein	5000 ug/mL
.VOARADDCOM_00002	08/31/14		Restek, Lot A093634		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethanol	100000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butyl acetate	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 Houston

Job No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARCYCHONE_00001	12/31/15		Restek, Lot A092211		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
.VOARKETON_00001	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.VOARMegMix_00002	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
.VOARNR2_00001	02/28/15		Restek, Lot A093359		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.VOARVA_00001	06/30/14		Restek, Lot A092212		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VOASTDPT_00022	01/06/14	12/23/13	Methanol, Lot V081313A	1 mL	VOARKETON_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMix_00002	25 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	50 ug/mL
							Bromodichloromethane	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
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					VOARVA_00001	25 uL	Vinyl acetate	100 ug/mL
.VOARKETON_00001	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.VOARMegMix_00002	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							o-Xylene	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.VOARVA_00001	06/30/14		Restek, Lot A092212		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
WETSICCNO3_00010	02/01/14		INORGANIC VENTURES, Lot F2-NOXO2101		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L
WETSICINO3_00009	02/28/14		ACCUSTANDARD, Lot 212025030		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L

8260B_LL

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
BlancoSouth-MW14-1 2172013	600-84406-8	84	101	73	83
BlancoSouth-MD02-1 2172013	600-84406-9	82	100	80	85
	MB 600-123846/14	81	98	81	85
	LCS 600-123846/3	82	97	74	82

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A36102.D
 Lab ID: LCS 600-123846/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	20.0	19.85	99	28-152	
Benzene	10.0	10.39	104	69-131	
Chlorobromomethane	10.0	8.828	88	60-141	
Bromoform	10.0	9.884	99	39-149	
Bromomethane	10.0	8.168	82	52-146	
2-Butanone (MEK)	20.0	23.37	117	59-133	
Carbon disulfide	10.0	11.18	112	32-177	
Carbon tetrachloride	10.0	12.06	121	59-147	
Dibromochloromethane	10.0	9.007	90	58-132	
Chlorobenzene	10.0	8.438	84	60-136	
Chloroethane	10.0	8.874	89	56-144	
Chloroform	10.0	11.86	119	69-128	
Chloromethane	10.0	12.66	127	32-151	
1,1-Dichloroethane	10.0	11.04	110	66-126	
1,2-Dichloroethane	10.0	12.46	125	66-140	
1,1-Dichloroethene	10.0	10.92	109	59-145	
trans-1,2-Dichloroethene	10.0	9.564	96	70-132	
1,2-Dichloropropane	10.0	10.54	105	72-125	
cis-1,3-Dichloropropene	10.0	9.993	100	60-135	
trans-1,3-Dichloropropene	10.0	9.072	91	63-133	
Ethylbenzene	10.0	11.04	110	68-128	
2-Hexanone	20.0	20.83	104	51-130	
Methylene Chloride	10.0	12.76	128	62-134	
4-Methyl-2-pentanone (MIBK)	20.0	21.61	108	56-142	
Styrene	10.0	8.445	84	68-133	
1,1,2,2-Tetrachloroethane	10.0	11.85	119	68-134	
Tetrachloroethene	10.0	6.996	70	61-142	
Toluene	10.0	9.524	95	67-130	
1,1,1-Trichloroethane	10.0	12.49	125	65-142	
1,1,2-Trichloroethane	10.0	9.287	93	68-130	
Trichloroethene	10.0	8.643	86	68-130	
Vinyl acetate	20.0	22.30	111	58-175	
Vinyl chloride	10.0	11.94	119	47-146	
o-Xylene	10.0	9.032	90	68-134	
m-Xylene & p-Xylene	10.0	8.657	87	67-132	
Xylenes, Total	20.0	17.69	88	68-132	
cis-1,2-Dichloroethene	10.0	9.957	100	69-129	
Bromodichloromethane	10.0	11.41	114	73-130	
1,2-Dichloroethene, Total	20.0	19.52	98	65-127	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
SDG No.: _____
Lab File ID: A36105.D Lab Sample ID: MB 600-123846/14
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS07 Date Analyzed: 12/27/2013 10:18
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-123846/3	A36102.D	12/27/2013 08:53
BlancoSouth-MD02-12172013	600-84406-9	A36109.D	12/27/2013 12:13
BlancoSouth-MW14-12172013	600-84406-8	A36110.D	12/27/2013 12:41

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Lab File ID: A34400.D BFB Injection Date: 12/10/2013
 Instrument ID: VOAMS07 BFB Injection Time: 11:00
 Analysis Batch No.: 122598

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.9
75	30.0 - 60.0 % of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	80.3
175	5.0 - 9.0 % of mass 174	5.9 (7.3) 1
176	95.0 - 101.0 % of mass 174	77.6 (96.6) 1
177	5.0 - 9.0 % of mass 176	5.1 (6.5) 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
	IC 600-122598/2	A34402.D	12/10/2013	12:02
	IC 600-122598/3	A34403.D	12/10/2013	12:30
	IC 600-122598/4	A34404.D	12/10/2013	12:58
	ICIS 600-122598/5	A34405.D	12/10/2013	13:26
	IC 600-122598/6	A34406.D	12/10/2013	13:54
	IC 600-122598/7	A34407.D	12/10/2013	14:22

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Lab File ID: A36100.D BFB Injection Date: 12/27/2013
 Instrument ID: VOAMS07 BFB Injection Time: 07:56
 Analysis Batch No.: 123846

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	25.1
75	30.0 - 60.0 % of mass 95	55.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.5 (0.7) 1
174	50.0 - 120.00 % of mass 95	72.0
175	5.0 - 9.0 % of mass 174	6.1 (8.4) 1
176	95.0 - 101.0 % of mass 174	71.2 (98.8) 1
177	5.0 - 9.0 % of mass 176	4.6 (6.4) 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 600-123846/2	A36101.D	12/27/2013	08:24
	LCS 600-123846/3	A36102.D	12/27/2013	08:53
	MB 600-123846/14	A36105.D	12/27/2013	10:18
BlancoSouth-MD02-121720 13	600-84406-9	A36109.D	12/27/2013	12:13
BlancoSouth-MW14-121720 13	600-84406-8	A36110.D	12/27/2013	12:41

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Sample No.: CCVIS 600-123846/2 Date Analyzed: 12/27/2013 08:24
 Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): A36101.D Heated Purge: (Y/N) N
 Calibration ID: 2644

	FB		DXE		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	351775	8.71	3256	9.13	100300	11.74	
UPPER LIMIT	703550	9.21	6512	9.63	200600	12.24	
LOWER LIMIT	175888	8.21	1628	8.63	50150	11.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-123846/3		382687	8.71	4772	9.12	106851	11.74
MB 600-123846/14		327084	8.71	2479	9.12	87558	11.74
600-84406-9	BlancoSouth-MD02-1217 2013	320673	8.71	3224	9.12	85736	11.74
600-84406-8	BlancoSouth-MW14-1217 2013	276042	8.72	3079	9.14	82232	11.74

FB = Fluorobenzene
 DXE = 1,4-Dioxane-d8
 CBZ = Chlorobenzene-d5

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Sample No.: CCVIS 600-123846/2 Date Analyzed: 12/27/2013 08:24
 Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): A36101.D Heated Purge: (Y/N) N
 Calibration ID: 2644

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		68934	14.32				
UPPER LIMIT		137868	14.82				
LOWER LIMIT		34467	13.82				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-123846/3		73141	14.31				
MB 600-123846/14		51490	14.32				
600-84406-9	BlancoSouth-MD02-1217 2013	52722	14.32				
600-84406-8	BlancoSouth-MW14-1217 2013	54452	14.32				

DCB = 1,4-Dichlorobenzene-d4

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 VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Client Sample ID: BlancoSouth-MW14-12172013 Lab Sample ID: 600-84406-8

Matrix: Water Lab File ID: A36110.D

Analysis Method: 8260B Date Collected: 12/17/2013 16:20

Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 12:41

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.217	J	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	8.73		1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.192	J	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.208	J	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	1.18		1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Client Sample ID: BlancoSouth-MW14-12172013 Lab Sample ID: 600-84406-8
 Matrix: Water Lab File ID: A36110.D
 Analysis Method: 8260B Date Collected: 12/17/2013 16:20
 Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 12:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	1.35		1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	1.54		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	73		70-130
1868-53-7	Dibromofluoromethane	84		62-130
460-00-4	4-Bromofluorobenzene	83		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Client Sample ID: BlancoSouth-MD02-12172013 Lab Sample ID: 600-84406-9

Matrix: Water Lab File ID: A36109.D

Analysis Method: 8260B Date Collected: 12/17/2013 18:20

Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 12:13

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.226	J	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	8.60		1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.154	J	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.210	J	1.00	0.130
108-88-3	Toluene	0.172	J	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	1.08		1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.194	J	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Client Sample ID: BlancoSouth-MD02-12172013 Lab Sample ID: 600-84406-9
 Matrix: Water Lab File ID: A36109.D
 Analysis Method: 8260B Date Collected: 12/17/2013 18:20
 Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 12:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	1.35		1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	1.50		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		70-130
1868-53-7	Dibromofluoromethane	82		62-130
460-00-4	4-Bromofluorobenzene	85		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		50-134

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-122598/2	A34402.D
Level 2	IC 600-122598/3	A34403.D
Level 3	IC 600-122598/4	A34404.D
Level 4	ICIS 600-122598/5	A34405.D
Level 5	IC 600-122598/6	A34406.D
Level 6	IC 600-122598/7	A34407.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 3	LVL 4	LVL 5		B	M1	M2								
2-Methylnaphthalene	0 0	0	0	0	0	Ave								15.0			
Dichlorodifluoromethane	0.1802 0.1651	0.1594	0.1912	0.1702	0.1661	Ave		0.1720				6.8		15.0			
Chloromethane	0.1346 0.1349	0.1204	0.1439	0.1314	0.1276	Ave		0.1321			0.1000	6.0		15.0			
Vinyl chloride	0.1542 0.1421	0.1440	0.1710	0.1501	0.1467	Ave		0.1513				7.0		30.0			
Butadiene	0.1240 0.1467	0.1304	0.1546	0.1500	0.1490	Ave		0.1425				8.6		15.0			
Bromomethane	0.1167 0.1190	0.1148	0.1319	0.1199	0.1161	Ave		0.1197				5.2		15.0			
Ethanol	0.0008 0.0011	0.0009	0.0009	0.0012	0.0010	Lin	2.2770	0.0011							0.9964		0.9900
Chloroethane	0.1174 0.1134	0.1088	0.1229	0.1155	0.1098	Ave		0.1146				4.6		15.0			
Dichlorofluoromethane	0.2701 0.2858	0.2563	0.3060	0.2843	0.2825	Ave		0.2808				5.9		15.0			
Acetonitrile	0.0127 0.0147	0.0125	0.0191	0.0156	0.0146	Lin1	0.0244	0.0150							0.9937		0.9900
Acrolein	0.0137 0.0154	0.0127	0.0152	0.0152	0.0158	Ave		0.0147				8.3		15.0			
Trichlorofluoromethane	0.3111 0.3327	0.3015	0.3537	0.3320	0.3348	Ave		0.3276				5.7		15.0			
Isopropyl alcohol	0.0066 0.0068	0.0061	0.0070	0.0070	0.0069	Ave		0.0067				5.1		15.0			
Acetone	0.0497 0.0378	0.0443	0.0409	0.0384	0.0390	Ave		0.0417				11.0		15.0			
Ethyl ether	0.1872 0.1937	0.1853	0.2009	0.1981	0.1958	Ave		0.1935				3.2		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

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 3	LVL 4	LVL 5		B	M1	M2								
t-Butanol	0.0128 0.0141	0.0142	0.0147	0.0145	0.0145	Ave		0.0141				5.1		15.0			
1,1-Dichloroethene	0.2044 0.2415	0.2186	0.2541	0.2596	0.2525	Ave		0.2385				9.3		30.0			
Acrylonitrile	0.0300 0.0355	0.0310	0.0374	0.0368	0.0368	Ave		0.0346				9.3		15.0			
Iodomethane	0.3269 0.4175	0.3192	0.4300	0.4338	0.4308	Ave		0.3930				13.9		15.0			
Methylene Chloride	0.4007 0.2451	0.2954	0.2882	0.2726	0.2580	Lin1	-0.049	0.2465							0.9989		0.9900
Methyl acetate	0.0983 0.1095	0.1022	0.1184	0.1145	0.1147	Ave		0.1096				7.2		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1432 0.1581	0.1419	0.1762	0.1573	0.1589	Ave		0.1559				8.0		15.0			
3-Chloro-1-propene	0.1355 0.1580	0.1408	0.1593	0.1585	0.1570	Ave		0.1515				6.9		15.0			
Carbon disulfide	0.6914 0.7404	0.6536	0.7798	0.7934	0.7734	Ave		0.7387				7.5		15.0			
trans-1,2-Dichloroethene	0.2865 0.2967	0.2665	0.2974	0.3014	0.2926	Ave		0.2902				4.4		15.0			
Methyl tert-butyl ether	0.4944 0.5760	0.5164	0.6018	0.5825	0.5805	Ave		0.5586				7.6		15.0			
Propionitrile	0.0117 0.0141	0.0124	0.0151	0.0146	0.0147	Ave		0.0138				10.0		15.0			
1,1-Dichloroethane	0.5200 0.5328	0.5278	0.5583	0.5577	0.5359	Ave		0.5388			0.1000	2.9		15.0			
Vinyl acetate	0.2544 0.2894	0.2653	0.2986	0.3050	0.2992	Ave		0.2853				7.2		15.0			
2-Chloro-1,3-butadiene	0.3966 0.4744	0.4190	0.4675	0.4762	0.4707	Ave		0.4507				7.6		15.0			
Hexane	0.4203 0.4148	0.4384	0.4689	0.4582	0.4393	Ave		0.4400				4.8		15.0			
Isopropyl ether	0.9220 0.8942	0.9501	1.0330	1.0110	0.9638	Ave		0.9623				5.5		15.0			
2-Butanone (MEK)	0.0123 0.0134	0.0110	0.0147	0.0146	0.0147	Ave		0.0135				11.5		15.0			
Methacrylonitrile	0.0140 0.0159	0.0152	0.0169	0.0168	0.0168	Ave		0.0159				7.3		15.0			
cis-1,2-Dichloroethene	0.2896 0.2950	0.2910	0.3018	0.3045	0.2945	Ave		0.2961				2.0		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

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 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	0.0804 0.1161	0.0889	0.1101	0.1132	0.1189	Lin1	0.0584	0.1180							0.9996		0.9900
Chlorobromomethane	0.1079 0.1255	0.1116	0.1228	0.1265	0.1247	Ave		0.1198				6.7		15.0			
Chloroform	0.4441 0.4665	0.4628	0.4886	0.4880	0.4725	Ave		0.4704				3.6		30.0			
Tert-butyl ethyl ether	0.6804 0.7384	0.7064	0.8064	0.7756	0.7611	Ave		0.7447				6.2		15.0			
Isobutyl alcohol	0.0073 0.0082	0.0076	0.0091	0.0084	0.0087	Ave		0.0082				7.9		15.0			
2,2-Dichloropropane	0.2530 0.2284	0.2550	0.2839	0.2721	0.2524	Ave		0.2575				7.4		15.0			
Tetrahydrofuran	0.0360 0.0402	0.0371	0.0390	0.0401	0.0420	Ave		0.0391				5.6		15.0			
1,2-Dichloroethane	0.2532 0.2707	0.2527	0.2846	0.2759	0.2742	Ave		0.2686				4.8		15.0			
1,1,1-Trichloroethane	0.3439 0.3501	0.3485	0.3911	0.3845	0.3625	Ave		0.3634				5.5		15.0			
1,1-Dichloropropene	0.3194 0.3602	0.3332	0.3599	0.3613	0.3553	Ave		0.3482				5.1		15.0			
Cyclohexane	0.3180 0.3096	0.3321	0.3560	0.3467	0.3278	Ave		0.3317				5.2		15.0			
Carbon tetrachloride	0.2805 0.3448	0.2941	0.3398	0.3425	0.3387	Ave		0.3234				8.8		15.0			
Benzene	1.0296 1.0486	1.0554	1.1224	1.1182	1.0724	Ave		1.0744				3.5		15.0			
2-Nitropropane	0.0975 0.1015	0.0926	0.1087	0.1074	0.1042	Ave		0.1020				6.0		15.0			
Tert-amyl methyl ether	0.4640 0.5377	0.4865	0.5734	0.5526	0.5477	Ave		0.5270				8.0		15.0			
Isooctane	0.5084 0.3451	0.4924	0.5860	0.5020	0.4620	Qua	0.0400	1.3312	1.1107						0.9997		
Ethyl acrylate	0.1650 0.2534	0.2183	0.2584	0.2567	0.2601	Lin1	0.0236	0.2591							0.9994		0.9900
n-Heptane	0.4293 0.4472	0.4385	0.4794	0.4668	0.4538	Ave		0.4525				4.1		15.0			
Dibromomethane	0.0819 0.0945	0.0842	0.0988	0.0952	0.0951	Ave		0.0916				7.5		15.0			
1,2-Dichloropropane	0.2314 0.2410	0.2441	0.2598	0.2575	0.2516	Ave		0.2476				4.4		30.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

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 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.3064 0.3423	0.3099	0.3376	0.3405	0.3302	Ave		0.3278				4.8		15.0			
Bromodichloromethane	0.2522 0.3003	0.2485	0.3021	0.3003	0.2979	Ave		0.2836				9.1		15.0			
Methyl methacrylate	0.0984 0.1333	0.1144	0.1368	0.1356	0.1378	Ave		0.1260				12.8		15.0			
1,4-Dioxane	1.4015 1.1885	1.1054	1.1444	1.1009	1.1141	Ave		1.1758				9.8		15.0			
2-Chloroethyl vinyl ether	0.2025 0.2829	0.2288	0.2958	0.2753	0.2810	Ave		0.2610				14.1		15.0			
Methylcyclohexane	0.3923 0.3999	0.4144	0.4595	0.4491	0.4306	Ave		0.4243				6.3		15.0			
cis-1,3-Dichloropropene	0.8715 1.1634	0.9377	1.1128	1.1355	1.1497	Ave		1.0618				11.7		15.0			
4-Methyl-2-pentanone (MIBK)	0.0991 0.1212	0.1080	0.1233	0.1225	0.1270	Ave		0.1168				9.3		15.0			
trans-1,3-Dichloropropene	0.5016 0.7975	0.5705	0.7197	0.7301	0.7511	Lin1	0.0367	0.7916							0.9992		0.9900
1,1,2-Trichloroethane	0.4383 0.4630	0.4703	0.4785	0.4914	0.4781	Ave		0.4699				3.9		15.0			
Ethyl methacrylate	0.4778 0.6651	0.5374	0.6218	0.6625	0.6763	Ave		0.6068				13.4		15.0			
Toluene	2.1744 2.2720	2.2926	2.2855	2.3736	2.2753	Ave		2.2789				2.8		30.0			
1,3-Dichloropropane	0.7663 0.8204	0.8304	0.8602	0.8767	0.8528	Ave		0.8345				4.7		15.0			
2-Hexanone	0.2076 0.2707	0.1983	0.2651	0.2621	0.2788	Ave		0.2471				14.1		15.0			
Dibromochloromethane	0.4374 0.5868	0.4472	0.5332	0.5564	0.5606	Ave		0.5203				12.1		15.0			
n-Butyl acetate	0.4828 0.6491	0.5186	0.5996	0.6488	0.6659	Ave		0.5941				12.9		15.0			
1,2-Dibromoethane	0.3297 0.4090	0.3685	0.4080	0.4118	0.4121	Ave		0.3899				8.7		15.0			
Tetrachloroethene	0.7454 1.0994	0.7988	0.9339	0.9616	1.0074	Ave		0.9244				14.3		15.0			
1-Chlorohexane	0.7706 0.8368	0.8110	0.8539	0.8841	0.8552	Ave		0.8353				4.8		15.0			
1,1,1,2-Tetrachloroethane	0.6404 0.7458	0.6587	0.7408	0.7445	0.7316	Ave		0.7103				6.7		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

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 3	LVL 4	LVL 5		B	M1	M2								
Chlorobenzene	2.0699 2.1342	2.1109	2.2008	2.2254	2.1345	Ave		2.1460			0.3000	2.7		15.0			
Ethylbenzene	1.0971 1.2108	1.1794	1.2309	1.2692	1.2221	Ave		1.2016				4.9		30.0			
m-Xylene & p-Xylene	1.3332 1.4305	1.3711	1.4768	1.4998	1.4324	Ave		1.4240				4.4		15.0			
Bromoform	0.2150 0.2641	0.1985	0.2322	0.2437	0.2490	Ave		0.2337			0.1000	10.2		15.0			
Styrene	1.4615 1.9870	1.5931	1.8984	1.9588	1.9418	Ave		1.8068				12.3		15.0			
Cyclohexanone	0.0079 0.0086	0.0076	0.0090	0.0087	0.0088	Ave		0.0084				6.7		15.0			
1,1,2,2-Tetrachloroethane	0.4976 0.4452	0.4986	0.5188	0.5034	0.4665	Ave		0.4884			0.3000	5.6		15.0			
o-Xylene	1.2302 1.3051	1.2993	1.3994	1.3821	1.3065	Ave		1.3205				4.7		15.0			
trans-1,4-Dichloro-2-butene	0.0715 0.1049	0.0704	0.0924	0.0927	0.0956	Lin1	0.0376	0.1030							0.9978		0.9900
1,2,3-Trichloropropane	0.1643 0.1372	0.1568	0.1572	0.1490	0.1454	Ave		0.1516				6.4		15.0			
Isopropylbenzene	4.0807 3.8646	4.3851	4.3508	4.4560	4.0719	Ave		4.2015				5.5		15.0			
Bromobenzene	0.8543 0.8577	0.8608	0.9091	0.9142	0.8687	Ave		0.8775				3.1		15.0			
N-Propylbenzene	1.1194 1.1314	1.1449	1.2006	1.2280	1.1484	Ave		1.1621				3.7		15.0			
2-Chlorotoluene	0.9884 0.9633	1.0192	1.0235	1.0413	0.9733	Ave		1.0015				3.1		15.0			
4-Chlorotoluene	2.5626 2.5560	2.6794	2.8132	2.7572	2.6106	Ave		2.6632				4.0		15.0			
1,3,5-Trimethylbenzene	2.9702 3.0730	3.1522	3.2938	3.3403	3.1267	Ave		3.1594				4.4		15.0			
tert-Butylbenzene	2.7241 2.8120	2.9373	3.0339	3.0358	2.8510	Ave		2.8990				4.3		15.0			
1,2,4-Trimethylbenzene	2.9806 3.1924	3.1769	3.3721	3.3704	3.1953	Ave		3.2146				4.5		15.0			
sec-Butylbenzene	3.7926 3.9183	4.0545	4.1893	4.2110	3.9342	Ave		4.0167				4.1		15.0			
1,3-Dichlorobenzene	1.7254 1.8062	1.7523	1.8430	1.8339	1.7711	Ave		1.7886				2.6		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

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 3	LVL 4	LVL 5		B	M1	M2								
Benzyl chloride	0.4535 0.6980	0.4116	0.6995	0.8114	0.6737	Lin1	0.0343	0.7210							0.9933		0.9900
1,4-Dichlorobenzene	1.6529 1.8127	1.7323	1.8115	1.8208	1.7645	Ave		1.7658				3.7		15.0			
4-Isopropyltoluene	3.3430 3.7356	3.5161	3.7514	3.8023	3.6503	Ave		3.6331				4.8		15.0			
1,2,3-Trimethylbenzene	2.8883 3.0575	3.0013	3.2286	3.1780	3.0791	Ave		3.0721				4.0		15.0			
1,2-Dichlorobenzene	1.4768 1.5100	1.4808	1.5437	1.5507	1.5087	Ave		1.5118				2.0		15.0			
n-Butylbenzene	2.6734 2.9898	2.8272	3.1065	3.1194	2.9713	Ave		2.9479				5.8		15.0			
1,2-Dibromo-3-Chloropropane	0.0628 0.0679	0.0577	0.0670	0.0675	0.0686	Ave		0.0652				6.5		15.0			
1,3,5-Trichlorobenzene	1.1158 1.1353	1.1153	1.1767	1.2191	1.1530	Ave		1.1525				3.5		15.0			
1,2,4-Trichlorobenzene	0.8077 0.7864	0.7632	0.7827	0.8409	0.7957	Ave		0.7961				3.3		15.0			
Naphthalene	1.1443 1.0448	0.9772	0.9864	1.0772	1.1055	Ave		1.0559				6.3		15.0			
Hexachlorobutadiene	0.2498 0.2274	0.2510	0.2509	0.2662	0.2356	Ave		0.2468				5.5		15.0			
1,2,3-Trichlorobenzene	0.6423 0.5097	0.5532	0.5442	0.5840	0.5434	Ave		0.5628				8.1		15.0			
Dibromofluoromethane	0.2475 0.2565	0.2432	0.2609	0.2585	0.2541	Ave		0.2535				2.7		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2117 0.2145	0.2081	0.2260	0.2191	0.2180	Ave		0.2162				2.9		15.0			
Toluene-d8 (Surr)	3.1617 3.1831	3.3008	3.2104	3.3217	3.2050	Ave		3.2305				2.0		15.0			
4-Bromofluorobenzene	1.1816 0.9834	1.1170	1.1024	1.0841	1.0126	Ave		1.0802				6.7		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-122598/2	A34402.D
Level 2	IC 600-122598/3	A34403.D
Level 3	IC 600-122598/4	A34404.D
Level 4	ICIS 600-122598/5	A34405.D
Level 5	IC 600-122598/6	A34406.D
Level 6	IC 600-122598/7	A34407.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Methylnaphthalene	DCB	Ave	0 0	0	0	0	0	1.00 50.0	2.00	5.00	10.0	20.0
Dichlorodifluoromethane	FB	Ave	6495 311991	12002	31054	62259	123834	1.00 50.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	4851 254985	9066	23380	48065	95083	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	5558 268458	10839	27772	54907	109349	1.00 50.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	4470 277218	9815	25118	54882	111036	1.00 50.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	4205 224891	8642	21421	43859	86541	1.00 50.0	2.00	5.00	10.0	20.0
Ethanol	FB	Lin	1377 105428	3532	7553	22109	36350	50.0 2500	100	250	500	1000
Chloroethane	FB	Ave	4229 214234	8191	19971	42265	81813	1.00 50.0	2.00	5.00	10.0	20.0
Dichlorofluoromethane	FB	Ave	9733 539960	19296	49701	104027	210530	1.00 50.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Lin1	4561 277609	9425	24851	57151	109007	10.0 500	20.0	40.0	100	200
Acrolein	FB	Ave	2469 145954	4779	12327	27865	59032	5.00 250	10.0	25.0	50.0	100
Trichlorofluoromethane	FB	Ave	11209 628689	22699	57452	121445	249526	1.00 50.0	2.00	5.00	10.0	20.0
Isopropyl alcohol	FB	Ave	2362 128156	4603	11331	25770	51192	10.0 500	20.0	50.0	100	200
Acetone	FB	Ave	3583 142879	6666	13299	28118	58102	2.00 100	4.00	10.0	20.0	40.0
Ethyl ether	FB	Ave	6747 366034	13950	32636	72475	145931	1.00 50.0	2.00	5.00	10.0	20.0
t-Butanol	FB	Ave	4595 265602	10680	23941	53214	107938	10.0 500	20.0	50.0	100	200

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	7364 456391	16455	41282	94974	188223	1.00 50.0	2.00	5.00	10.0	20.0
Acrylonitrile	FB	Ave	10818 669855	23340	60713	134516	274435	10.0 500	20.0	50.0	100	200
Iodomethane	FB	Ave	11778 788933	24027	69843	158715	321072	1.00 50.0	2.00	5.00	10.0	20.0
Methylene Chloride	FB	Lin1	14440 463211	22234	46812	99740	192274	1.00 50.0	2.00	5.00	10.0	20.0
Methyl acetate	FB	Ave	17712 1034364	38462	96127	209361	427506	5.00 250	10.0	25.0	50.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	5161 298787	10681	28623	57541	118449	1.00 50.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	4881 298448	10603	25880	57999	117042	1.00 50.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	24915 1398928	49203	126674	290279	576428	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	10325 560675	20064	48307	110249	218121	1.00 50.0	2.00	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	17814 1088346	38871	97751	213118	432640	1.00 50.0	2.00	5.00	10.0	20.0
Propionitrile	FB	Ave	4227 265895	9316	24510	53444	109251	10.0 500	20.0	50.0	100	200
1,1-Dichloroethane	FB	Ave	18738 1006684	39736	90689	204048	399470	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	18334 1093752	39936	97017	223155	445990	2.00 100	4.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	14290 896401	31541	75945	174209	350867	1.00 50.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	15145 783813	33001	76170	167626	327428	1.00 50.0	2.00	5.00	10.0	20.0
Isopropyl ether	FB	Ave	33225 1689594	71519	167799	369862	718389	1.00 50.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	885 50732	1659	4790	10707	21949	2.00 100	4.00	10.0	20.0	40.0
Methacrylonitrile	FB	Ave	5034 300911	11419	27491	61290	125253	10.0 500	20.0	50.0	100	200
cis-1,2-Dichloroethene	FB	Ave	10435 557318	21904	49018	111413	219506	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl acetate	FB	Lin1	5791 438673	13381	35774	82815	177272	2.00 100	4.00	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	3889 237064	8400	19949	46281	92915	1.00 50.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chloroform	FB	Ave	16003 881451	34840	79375	178518	352202	1.00 50.0	2.00	5.00	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	24518 1395235	53177	130987	283749	567291	1.00 50.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	FB	Ave	6610 388437	14333	36788	76709	162082	25.0 1250	50.0	125	250	500
2,2-Dichloropropane	FB	Ave	9117 431585	19199	46116	99546	188109	1.00 50.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	2597 151941	5589	12665	29323	62663	2.00 100	4.00	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	9125 511500	19025	46233	100924	204359	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	12391 661470	26235	63538	140660	270158	1.00 50.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	11511 680550	25083	58468	132175	264843	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	11459 585042	25001	57835	126832	244320	1.00 50.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	10106 651409	22139	55206	125301	252426	1.00 50.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	37099 1981331	79452	182319	409086	799307	1.00 50.0	2.00	5.00	10.0	20.0
2-Nitropropane	FB	Ave	7024 383565	13940	35325	78557	155328	2.00 100	4.00	10.0	20.0	40.0
Tert-amyl methyl ether	FB	Ave	16719 1016041	36622	93147	202184	408252	1.00 50.0	2.00	5.00	10.0	20.0
Isooctane	FB	Qua	18318 652144	37065	95186	183657	344370	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl acrylate	FB	Lin1	5946 478880	16432	41974	93911	193874	1.00 50.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Ave	15471 844941	33013	77881	170771	338259	1.00 50.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	2951 178515	6340	16056	34839	70865	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	8339 455356	18372	42207	94213	187497	1.00 50.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	11040 646834	23331	54840	124587	246149	1.00 50.0	2.00	5.00	10.0	20.0
Bromodichloromethane	FB	Ave	9087 567488	18710	49078	109872	222004	1.00 50.0	2.00	5.00	10.0	20.0
Methyl methacrylate	FB	Ave	7093 503654	17220	44456	99184	205429	2.00 100	4.00	10.0	20.0	40.0

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Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DXE	Ave	507 25604	983	2568	5330	10763	20.0 1000	40.0	100	200	400
2-Chloroethyl vinyl ether	CBZ	Ave	3866 284937	9003	27309	54203	112489	2.00 100	4.00	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	14136 755593	31192	74635	164290	320948	1.00 50.0	2.00	5.00	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	8319 585848	18451	51364	111794	230125	1.00 50.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	7139 457906	16254	40056	89625	189303	2.00 100	4.00	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBZ	Lin1	4788 401591	11226	33221	71885	150346	1.00 50.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	4184 233131	9255	22087	48380	95699	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	4561 334911	10575	28701	65226	135367	1.00 50.0	2.00	5.00	10.0	20.0
Toluene	CBZ	Ave	20757 1144070	45111	105493	233692	455428	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	7315 413105	16339	39705	86312	170700	1.00 50.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	3964 272641	7804	24473	51617	111599	2.00 100	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	4175 295498	8799	24613	54780	112207	1.00 50.0	2.00	5.00	10.0	20.0
n-Butyl acetate	CBZ	Ave	4609 326826	10204	27674	63881	133284	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	3147 205949	7251	18834	40549	82482	1.00 50.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	7116 553586	15718	43106	94679	201632	1.00 50.0	2.00	5.00	10.0	20.0
1-Chlorohexane	CBZ	Ave	7356 421368	15958	39413	87046	171182	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	6113 375558	12961	34194	73297	146441	1.00 50.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	19759 1074652	41537	101584	219108	427245	1.00 50.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	10473 609667	23207	56814	124957	244621	1.00 50.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	12727 720337	26979	68163	147664	286711	1.00 50.0	2.00	5.00	10.0	20.0
Bromoform	DCB	Ave	1504 113139	2795	8540	18577	40376	1.00 50.0	2.00	5.00	10.0	20.0

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INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Styrene	CBZ	Ave	13952 1000552	31348	87625	192855	388675	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexanone	CBZ	Ave	3750 215427	7479	20669	43034	88524	50.0 2500	100	250	500	1000
1,1,2,2-Tetrachloroethane	DCB	Ave	3481 190750	7020	19086	38380	75659	1.00 50.0	2.00	5.00	10.0	20.0
o-Xylene	CBZ	Ave	11744 657192	25566	64594	136079	261507	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	500 44928	991	3400	7069	15502	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	1149 58788	2208	5783	11358	23575	1.00 50.0	2.00	5.00	10.0	20.0
Isopropylbenzene	DCB	Ave	28544 1655697	61735	160048	339698	660335	1.00 50.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	5976 367442	12118	33443	69695	140884	1.00 50.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	7830 484711	16118	44167	93618	186236	1.00 50.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	6914 412693	14349	37652	79380	157835	1.00 50.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	17925 1095077	37721	103486	210194	423360	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	20776 1316580	44378	121165	254644	507059	1.00 50.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	19055 1204732	41352	111604	231434	462346	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	20849 1367706	44725	124045	256942	518182	1.00 50.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	26529 1678727	57081	154107	321021	638013	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	12069 773837	24669	67797	139804	287217	1.00 50.0	2.00	5.00	10.0	20.0
Benzyl chloride	DCB	Lin1	3172 299034	5794	25733	61854	109250	1.00 50.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	11562 776625	24388	66638	138804	286149	1.00 50.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	23384 1600449	49501	137998	289867	591964	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trimethylbenzene	DCB	Ave	20203 1309935	42254	118766	242276	499334	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	10330 646943	20847	56786	118220	244664	1.00 50.0	2.00	5.00	10.0	20.0

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INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84406-2 Analy Batch No.: 122598

SDG No.: _____

Instrument ID: VOAMS07 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/10/2013 12:02 Calibration End Date: 12/10/2013 14:22 Calibration ID: 2644

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCB	Ave	18700 1280910	39802	114274	237804	481849	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	439 29093	812	2466	5149	11119	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	7805 486384	15702	43286	92937	186976	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	5650 336932	10744	28793	64107	129031	1.00 50.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	8004 447612	13757	36287	82116	179284	1.00 50.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	1747 97419	3533	9229	20293	38215	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	4493 218390	7788	20020	44523	88122	1.00 50.0	2.00	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	8919 484608	18311	42389	94589	189395	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7629 405386	15662	36709	80167	162513	1.00 50.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	30182 1602846	64951	148182	327040	641506	1.00 50.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene	DCB	Ave	8265 421327	15725	40553	82648	164210	1.00 50.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Lab Sample ID: CCVIS 600-123846/2 Calibration Date: 12/27/2013 08:24

Instrument ID: VOAMS07 Calib Start Date: 12/10/2013 12:02

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/10/2013 14:22

Lab File ID: A36101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylnaphthalene	Ave		0.0000		1.00	10.0		35.0
Dichlorodifluoromethane	Ave	0.1720	0.2314		13.5	10.0	34.5	35.0
Chloromethane	Ave	0.1321	0.1564	0.1000	11.8	10.0	18.3	35.0
Vinyl chloride	Ave	0.1513	0.1808		12.0	10.0	19.5	20.0
Butadiene	Ave	0.1425	0.2185		15.3	10.0	53.4*	35.0
Bromomethane	Ave	0.1197	0.0915		7.64	10.0	-23.6	35.0
Ethanol	Lin	0.0010	0.0009		438	500	-12.4	35.0
Chloroethane	Ave	0.1146	0.0993		8.66	10.0	-13.4	35.0
Dichlorofluoromethane	Ave	0.2808	0.2687		9.57	10.0	-4.3	35.0
Acetonitrile	Lin1	0.0149	0.0145		96.9	100	-3.1	50.0
Acrolein	Ave	0.0147	0.0115		39.3	50.0	-21.5	50.0
Trichlorofluoromethane	Ave	0.3276	0.3286		10.0	10.0	0.3	35.0
Isopropyl alcohol	Ave	0.0067	0.0060		89.0	100	-11.0	50.0
Acetone	Ave	0.0417	0.0416		20.0	20.0	-0.1	50.0
Ethyl ether	Ave	0.1935	0.1874		9.69	10.0	-3.1	35.0
t-Butanol	Ave	0.0141	0.0133		93.8	100	-6.2	35.0
1,1-Dichloroethene	Ave	0.2385	0.2629		11.0	10.0	10.2	20.0
Acrylonitrile	Ave	0.0346	0.0377		109	100	9.0	50.0
Iodomethane	Ave	0.3930	0.3937		10.0	10.0	0.2	35.0
Methylene Chloride	Lin1	0.2933	0.3270		12.7	10.0	26.5	50.0
Methyl acetate	Ave	0.1096	0.1272		58.0	50.0	16.0	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1559	0.1405		9.01	10.0	-9.9	35.0
3-Chloro-1-propene	Ave	0.1515	0.1546		10.2	10.0	2.0	35.0
Carbon disulfide	Ave	0.7387	0.8397		11.4	10.0	13.7	35.0
trans-1,2-Dichloroethene	Ave	0.2902	0.2693		9.28	10.0	-7.2	35.0
Methyl tert-butyl ether	Ave	0.5586	0.5344		9.57	10.0	-4.3	35.0
Propionitrile	Ave	0.0138	0.0138		100	100	0.1	35.0
1,1-Dichloroethane	Ave	0.5388	0.5865	0.1000	10.9	10.0	8.9	35.0
Vinyl acetate	Ave	0.2853	0.3082		21.6	20.0	8.0	50.0
2-Chloro-1,3-butadiene	Ave	0.4507	0.5576		12.4	10.0	23.7	35.0
Hexane	Ave	0.4400	0.4489		10.2	10.0	2.0	35.0
2-Butanone (MEK)	Ave	0.0135	0.0152		22.6	20.0	12.8	50.0
Isopropyl ether	Ave	0.9623	1.122		11.7	10.0	16.6	35.0
Methacrylonitrile	Ave	0.0159	0.0174		109	100	9.0	35.0
cis-1,2-Dichloroethene	Ave	0.2961	0.2944		9.94	10.0	-0.6	35.0
Ethyl acetate	Lin1	0.1046	0.1177		20.7	20.0	3.4	35.0
Chlorobromomethane	Ave	0.1198	0.1064		8.88	10.0	-11.2	35.0
Chloroform	Ave	0.4704	0.5637		12.0	10.0	19.8	20.0
Tert-butyl ethyl ether	Ave	0.7447	0.7528		10.1	10.0	1.1	35.0
Isobutyl alcohol	Ave	0.0082	0.0095		289	250	15.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Lab Sample ID: CCVIS 600-123846/2 Calibration Date: 12/27/2013 08:24

Instrument ID: VOAMS07 Calib Start Date: 12/10/2013 12:02

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/10/2013 14:22

Lab File ID: A36101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.2575	0.3350		13.0	10.0	30.1	35.0
Tetrahydrofuran	Ave	0.0391	0.0386		19.8	20.0	-1.2	35.0
1,2-Dichloroethane	Ave	0.2686	0.3358		12.5	10.0	25.1	35.0
1,1,1-Trichloroethane	Ave	0.3634	0.4618		12.7	10.0	27.1	35.0
1,1-Dichloropropene	Ave	0.3482	0.3889		11.2	10.0	11.7	35.0
Cyclohexane	Ave	0.3317	0.3536		10.7	10.0	6.6	35.0
Carbon tetrachloride	Ave	0.3234	0.4145		12.8	10.0	28.2	35.0
Benzene	Ave	1.074	1.134		10.6	10.0	5.6	35.0
2-Nitropropane	Ave	0.1020	0.1124		22.0	20.0	10.2	35.0
Tert-amyl methyl ether	Ave	0.5270	0.4859		9.22	10.0	-7.8	35.0
Isooctane	Qua	0.4826	0.5684		10.9	10.0	9.4	35.0
Ethyl acrylate	Lin1	0.2353	0.2678		10.6	10.0	6.3	35.0
n-Heptane	Ave	0.4525	0.4974		11.0	10.0	9.9	35.0
Dibromomethane	Ave	0.0916	0.0975		10.6	10.0	6.4	35.0
1,2-Dichloropropane	Ave	0.2476	0.2592		10.5	10.0	4.7	20.0
Trichloroethene	Ave	0.3278	0.2821		8.61	10.0	-14.0	35.0
Bromodichloromethane	Ave	0.2836	0.3249		11.5	10.0	14.6	35.0
Methyl methacrylate	Ave	0.1260	0.1478		23.5	20.0	17.3	50.0
1,4-Dioxane	Ave	1.176	1.337		227	200	13.7	50.0
2-Chloroethyl vinyl ether	Ave	0.2610	0.2115		16.2	20.0	-19.0	35.0
Methylcyclohexane	Ave	0.4243	0.4492		10.6	10.0	5.9	35.0
cis-1,3-Dichloropropene	Ave	1.062	1.055		9.94	10.0	-0.6	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1168	0.1271		21.8	20.0	8.8	50.0
trans-1,3-Dichloropropene	Lin1	0.6784	0.6323		8.45	10.0	-15.5	35.0
1,1,2-Trichloroethane	Ave	0.4699	0.4256		9.06	10.0	-9.4	35.0
Ethyl methacrylate	Ave	0.6068	0.5586		9.21	10.0	-8.0	50.0
Toluene	Ave	2.279	2.164		9.49	10.0	-5.1	20.0
1,3-Dichloropropane	Ave	0.8345	0.8305		9.95	10.0	-0.5	35.0
2-Hexanone	Ave	0.2471	0.2337		18.9	20.0	-5.4	50.0
Dibromochloromethane	Ave	0.5203	0.4615		8.87	10.0	-11.3	35.0
n-Butyl acetate	Ave	0.5941	0.5043		8.49	10.0	-15.1	35.0
1,2-Dibromoethane	Ave	0.3899	0.3506		8.99	10.0	-10.1	35.0
Tetrachloroethene	Ave	0.9244	0.6403		6.93	10.0	-30.7	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7103	0.6117		8.61	10.0	-13.9	35.0
Chlorobenzene	Ave	2.146	1.807	0.3000	8.42	10.0	-15.8	35.0
Ethylbenzene	Ave	1.202	1.306		10.9	10.0	8.7	20.0
m-Xylene & p-Xylene	Ave	1.424	1.218		8.55	10.0	-14.5	35.0
Bromoform	Ave	0.2337	0.2194	0.1000	9.39	10.0	-6.1	35.0
Styrene	Ave	1.807	1.473		8.16	10.0	-18.5	35.0
Cyclohexanone	Ave	0.0084	0.0064		380	500	-24.0	35.0
1,1,2,2-Tetrachloroethane	Ave	0.4884	0.5344	0.3000	10.9	10.0	9.4	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Lab Sample ID: CCVIS 600-123846/2 Calibration Date: 12/27/2013 08:24
 Instrument ID: VOAMS07 Calib Start Date: 12/10/2013 12:02
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/10/2013 14:22
 Lab File ID: A36101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.320	1.142		8.65	10.0	-13.5	35.0
trans-1,4-Dichloro-2-butene	Lin1	0.0879	0.0886		9.08	10.0	-9.2	50.0
1,2,3-Trichloropropane	Ave	0.1516	0.1533		10.1	10.0	1.1	35.0
Isopropylbenzene	Ave	4.202	4.248		10.1	10.0	1.1	35.0
Bromobenzene	Ave	0.8775	0.7837		8.93	10.0	-10.7	35.0
N-Propylbenzene	Ave	1.162	1.074		9.24	10.0	-7.6	35.0
2-Chlorotoluene	Ave	1.002	0.9112		9.10	10.0	-9.0	35.0
4-Chlorotoluene	Ave	2.663	2.898		10.9	10.0	8.8	35.0
1,3,5-Trimethylbenzene	Ave	3.159	3.342		10.6	10.0	5.8	35.0
tert-Butylbenzene	Ave	2.899	2.785		9.61	10.0	-3.9	35.0
1,2,4-Trimethylbenzene	Ave	3.215	3.332		10.4	10.0	3.6	35.0
sec-Butylbenzene	Ave	4.017	4.180		10.4	10.0	4.1	35.0
1,3-Dichlorobenzene	Ave	1.789	1.695		9.48	10.0	-5.2	35.0
1,4-Dichlorobenzene	Ave	1.766	1.654		9.37	10.0	-6.3	35.0
Benzyl chloride	Lin1	0.6246	0.9635		13.8	10.0	37.9*	35.0
4-Isopropyltoluene	Ave	3.633	3.669		10.1	10.0	1.0	35.0
1,2,3-Trimethylbenzene	Ave	3.072	3.200		10.4	10.0	4.2	35.0
1,2-Dichlorobenzene	Ave	1.512	1.351		8.94	10.0	-10.6	35.0
n-Butylbenzene	Ave	2.948	3.410		11.6	10.0	15.7	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0652	0.0399		6.11	10.0	-38.9*	35.0
1,3,5-Trichlorobenzene	Ave	1.153	0.9376		8.14	10.0	-18.7	35.0
1,2,4-Trichlorobenzene	Ave	0.7961	0.4794		6.02	10.0	-39.8*	35.0
Naphthalene	Ave	1.056	0.6433		6.09	10.0	-39.1*	35.0
Hexachlorobutadiene	Ave	0.2468	0.2346		9.51	10.0	-4.9	35.0
1,2,3-Trichlorobenzene	Ave	0.5628	0.3896		6.92	10.0	-30.8	35.0
Dibromofluoromethane	Ave	0.2535	0.2623		10.4	10.0	3.5	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2162	0.2619		12.1	10.0	21.1	35.0
Toluene-d8 (Surr)	Ave	3.230	2.932		9.08	10.0	-9.2	35.0
4-Bromofluorobenzene	Ave	1.080	1.127		10.4	10.0	4.3	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-123846/14

Matrix: Water Lab File ID: A36105.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 10:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.0800	U	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.180	U	1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-123846/14
 Matrix: Water Lab File ID: A36105.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 10:18
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	0.300	U	1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		70-130
1868-53-7	Dibromofluoromethane	81		62-130
460-00-4	4-Bromofluorobenzene	85		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-123846/3

Matrix: Water Lab File ID: A36102.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 08:53

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	19.85		5.00	0.990
71-43-2	Benzene	10.39		1.00	0.0800
74-97-5	Chlorobromomethane	8.828		1.00	0.180
75-25-2	Bromoform	9.884		1.00	0.190
74-83-9	Bromomethane	8.168		2.00	0.250
78-93-3	2-Butanone (MEK)	23.37		2.00	0.760
75-15-0	Carbon disulfide	11.18		2.00	0.240
56-23-5	Carbon tetrachloride	12.06		1.00	0.150
124-48-1	Dibromochloromethane	9.007		1.00	0.150
108-90-7	Chlorobenzene	8.438		1.00	0.120
75-00-3	Chloroethane	8.874		2.00	0.0800
67-66-3	Chloroform	11.86		1.00	0.130
74-87-3	Chloromethane	12.66		2.00	0.180
75-34-3	1,1-Dichloroethane	11.04		1.00	0.110
107-06-2	1,2-Dichloroethane	12.46		1.00	0.140
75-35-4	1,1-Dichloroethene	10.92		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	9.564		1.00	0.0900
78-87-5	1,2-Dichloropropane	10.54		1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	9.993		1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	9.072		1.00	0.210
100-41-4	Ethylbenzene	11.04		1.00	0.110
591-78-6	2-Hexanone	20.83		2.00	0.350
75-09-2	Methylene Chloride	12.76		5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	21.61		2.00	0.450
100-42-5	Styrene	8.445		1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	11.85		1.00	0.220
127-18-4	Tetrachloroethene	6.996		1.00	0.130
108-88-3	Toluene	9.524		1.00	0.150
71-55-6	1,1,1-Trichloroethane	12.49		1.00	0.150
79-00-5	1,1,2-Trichloroethane	9.287		1.00	0.280
79-01-6	Trichloroethene	8.643		1.00	0.180
108-05-4	Vinyl acetate	22.30		2.00	0.210
75-01-4	Vinyl chloride	11.94		2.00	0.110
95-47-6	o-Xylene	9.032		1.00	0.120
179601-23-1	m-Xylene & p-Xylene	8.657		1.00	0.170
1330-20-7	Xylenes, Total	17.69		1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 600-123846/3
 Matrix: Water Lab File ID: A36102.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 12/27/2013 08:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123846 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	9.957		1.00	0.0600
75-27-4	Bromodichloromethane	11.41		1.00	0.160
540-59-0	1,2-Dichloroethene, Total	19.52		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	74		70-130
1868-53-7	Dibromofluoromethane	82		62-130
460-00-4	4-Bromofluorobenzene	82		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		50-134

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Instrument ID: VOAMS07 Start Date: 12/10/2013 11:00Analysis Batch Number: 122598 End Date: 12/10/2013 21:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-122598/1		12/10/2013 11:00	1	A34400.D	DB-624 0.18 (mm)
IC 600-122598/2		12/10/2013 12:02	1	A34402.D	DB-624 0.18 (mm)
IC 600-122598/3		12/10/2013 12:30	1	A34403.D	DB-624 0.18 (mm)
IC 600-122598/4		12/10/2013 12:58	1	A34404.D	DB-624 0.18 (mm)
ICIS 600-122598/5		12/10/2013 13:26	1	A34405.D	DB-624 0.18 (mm)
IC 600-122598/6		12/10/2013 13:54	1	A34406.D	DB-624 0.18 (mm)
IC 600-122598/7		12/10/2013 14:22	1	A34407.D	DB-624 0.18 (mm)
ZZZZZ		12/10/2013 15:47	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 17:11	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 17:40	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 18:08	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 18:36	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 19:05	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 19:33	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 20:01	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 20:30	1		DB-624 0.18 (mm)
ZZZZZ		12/10/2013 20:58	1		DB-624 0.18 (mm)
600-85250-A-2 MDLV		12/10/2013 21:26	1		DB-624 0.18 (mm)
600-85250-A-2 MDLV		12/10/2013 21:54	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-84406-2

SDG No.: _____

Instrument ID: VOAMS07Start Date: 12/27/2013 07:56Analysis Batch Number: 123846End Date: 12/27/2013 19:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-123846/1		12/27/2013 07:56	1	A36100.D	DB-624 0.18 (mm)
CCVIS 600-123846/2		12/27/2013 08:24	1	A36101.D	DB-624 0.18 (mm)
LCS 600-123846/3		12/27/2013 08:53	1	A36102.D	DB-624 0.18 (mm)
MB 600-123846/14		12/27/2013 10:18	1	A36105.D	DB-624 0.18 (mm)
ZZZZZ		12/27/2013 10:47	1		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 11:15	1		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 11:44	1		DB-624 0.18 (mm)
600-84406-9	BlancoSouth-MD02-1217 2013	12/27/2013 12:13	1	A36109.D	DB-624 0.18 (mm)
600-84406-8	BlancoSouth-MW14-1217 2013	12/27/2013 12:41	1	A36110.D	DB-624 0.18 (mm)
ZZZZZ		12/27/2013 13:10	1		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 13:38	20		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 14:06	20		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 14:35	20		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 15:04	20		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 15:33	1		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 16:01	1		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 16:30	200		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 16:58	100		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 17:27	20		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 17:55	200		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 18:23	25		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 18:52	500		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 19:20	20		DB-624 0.18 (mm)
ZZZZZ		12/27/2013 19:49	500		DB-624 0.18 (mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84406-2

SDG No.: _____

Project: Blanco South

Client Sample ID

BlancoSouth-MW14-12172013

BlancoSouth-MD02-12172013

Lab Sample ID

600-84406-8

600-84406-9

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW14-12172013

Lab Sample ID: 600-84406-8

Lab Name: TestAmerica Houston

Job No.: 600-84406-2

SDG ID.:

Matrix: Water

Date Sampled: 12/17/2013 16:20

Reporting Basis: WET

Date Received: 12/19/2013 10:47

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	29.7	5.00	1.70	mg/L			100	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MD02-12172013

Lab Sample ID: 600-84406-9

Lab Name: TestAmerica Houston

Job No.: 600-84406-2

SDG ID.: _____

Matrix: Water

Date Sampled: 12/17/2013 18:20

Reporting Basis: WET

Date Received: 12/19/2013 10:47

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	31.4	5.00	1.70	mg/L			100	353.2

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Analyst: KRD Batch Start Date: 01/03/2014
 Reporting Units: mg/L Analytical Batch No.: 124343

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	ICV	11:27	Nitrate Nitrite as N	0.9953	1.00	100	90-110		WETSICINO3_00009
8	ICB	11:27	Nitrate Nitrite as N	0.00310				U	
19	CCV	11:40	Nitrate Nitrite as N	1.058	1.00	106	90-110		WETSICCNO3_00010
20	CCB	11:41	Nitrate Nitrite as N	0.00310				U	
67	CCV	12:19	Nitrate Nitrite as N	1.051	1.00	105	90-110		WETSICCNO3_00010
68	CCB	12:19	Nitrate Nitrite as N	0.00310				U	
79	CCV	12:26	Nitrate Nitrite as N	1.083	1.00	108	90-110		WETSICCNO3_00010
80	CCB	12:27	Nitrate Nitrite as N	0.00310				U	
91	CCV	12:34	Nitrate Nitrite as N	1.031	1.00	103	90-110		WETSICCNO3_00010
92	CCB	12:34	Nitrate Nitrite as N	0.00310				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 124343 Date: 01/03/2014 11:28							
353.2	MB 600-124343/10	Nitrate Nitrite as N	0.0170	U	mg/L	0.0500	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124343 Date: 01/03/2014 11:29			LCS Source: WETSICCN03_00010								
353.2	LCS 600-124343/11	Nitrate Nitrite as N	1.050		mg/L	1.00	105	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84406-2
SDG Number: _____
Matrix: Water Instrument ID: WC05
Method: 353.2 MDL Date: 07/09/2012 10:23

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Nitrate Nitrite as N		0.05	0.017

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84406-2
SDG Number: _____
Matrix: Water Instrument ID: WC05
Method: 353.2 XMDL Date: 08/20/2008 11:57

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate Nitrite as N		0.05	0.003095

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Instrument ID: WC05 Analysis Method: 353.2
 Start Date: 01/03/2014 11:21 End Date: 01/03/2014 15:09

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				N N O 3 2																									
ZZZZZZ			11:21																										
ZZZZZZ			11:22																										
ZZZZZZ			11:23																										
ZZZZZZ			11:23																										
ZZZZZZ			11:24																										
ZZZZZZ			11:25																										
ICV 600-124343/7	1		11:27	X																									
ICB 600-124343/8	1		11:27	X																									
ZZZZZZ			11:28																										
MB 600-124343/10	1	T	11:28	X																									
LCS 600-124343/11	1	T	11:29	X																									
ZZZZZZ			11:30																										
ZZZZZZ			11:30																										
ZZZZZZ			11:31																										
ZZZZZZ			11:32																										
ZZZZZZ			11:32																										
ZZZZZZ			11:33																										
ZZZZZZ			11:33																										
CCV 600-124343/19	1		11:40	X																									
CCB 600-124343/20	1		11:41	X																									
ZZZZZZ			11:41																										
ZZZZZZ			11:42																										
ZZZZZZ			11:43																										
ZZZZZZ			11:43																										
ZZZZZZ			11:44																										
ZZZZZZ			11:45																										
ZZZZZZ			11:45																										
ZZZZZZ			11:54																										
ZZZZZZ			11:55																										
ZZZZZZ			11:55																										
CCV 600-124343/31			11:56																										
CCB 600-124343/32			11:57																										
ZZZZZZ			11:57																										
ZZZZZZ			11:58																										
ZZZZZZ			11:59																										
ZZZZZZ			11:59																										
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
ZZZZZZ			12:01																										

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston

Job No.: 600-84406-2

SDG No.: _____

Instrument ID: WC05

Analysis Method: 353.2

Start Date: 01/03/2014 11:21

End Date: 01/03/2014 15:09

Lab Sample Id	D/F	T Y P e	Time	Analytes																									
				N N O 3 2																									
ZZZZZZ			12:02																										
ZZZZZZ			12:02																										
ZZZZZZ			12:03																										
CCV 600-124343/43			12:04																										
CCB 600-124343/44			12:04																										
ZZZZZZ			12:05																										
ZZZZZZ			12:05																										
ZZZZZZ			12:06																										
ZZZZZZ			12:07																										
ZZZZZZ			12:07																										
ZZZZZZ			12:08																										
ZZZZZZ			12:09																										
ZZZZZZ			12:09																										
ZZZZZZ			12:10																										
ZZZZZZ			12:10																										
CCV 600-124343/55			12:11																										
CCB 600-124343/56			12:12																										
ZZZZZZ			12:12																										
ZZZZZZ			12:13																										
ZZZZZZ			12:14																										
ZZZZZZ			12:14																										
ZZZZZZ			12:15																										
ZZZZZZ			12:16																										
ZZZZZZ			12:16																										
ZZZZZZ			12:17																										
ZZZZZZ			12:17																										
ZZZZZZ			12:18																										
CCV 600-124343/67	1		12:19	X																									
CCB 600-124343/68	1		12:19	X																									
ZZZZZZ			12:20																										
ZZZZZZ			12:21																										
ZZZZZZ			12:21																										
ZZZZZZ			12:22																										
ZZZZZZ			12:22																										
ZZZZZZ			12:23																										
ZZZZZZ			12:24																										
ZZZZZZ			12:24																										
ZZZZZZ			12:25																										
ZZZZZZ			12:26																										

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Instrument ID: WC05 Analysis Method: 353.2
 Start Date: 01/03/2014 11:21 End Date: 01/03/2014 15:09

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				N N O 3 2																									
CCV 600-124343/79	1		12:26	X																									
CCB 600-124343/80	1		12:27	X																									
600-84406-8	100	T	12:27	X																									
600-84406-9	100	T	12:28	X																									
ZZZZZZ			12:29																										
ZZZZZZ			12:29																										
ZZZZZZ			12:30																										
ZZZZZZ			12:31																										
ZZZZZZ			12:31																										
ZZZZZZ			12:32																										
ZZZZZZ			12:32																										
ZZZZZZ			12:33																										
CCV 600-124343/91	1		12:34	X																									
CCB 600-124343/92	1		12:34	X																									
ZZZZZZ			12:35																										
CCV 600-124343/94			12:36																										
CCB 600-124343/95			12:36																										
CCV 600-124343/96			14:40																										
CCB 600-124343/97			14:41																										
ZZZZZZ			14:41																										
ZZZZZZ			14:42																										
ZZZZZZ			14:43																										
ZZZZZZ			14:43																										
ZZZZZZ			14:44																										
ZZZZZZ			14:44																										
ZZZZZZ			14:45																										
ZZZZZZ			14:46																										
ZZZZZZ			14:46																										
ZZZZZZ			14:47																										
CCV 600-124343/108			14:48																										
CCB 600-124343/109			14:48																										
ZZZZZZ			14:49																										
ZZZZZZ			14:49																										
ZZZZZZ			14:50																										
ZZZZZZ			14:51																										
ZZZZZZ			14:51																										
ZZZZZZ			14:56																										
ZZZZZZ			14:57																										
ZZZZZZ			14:59																										

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84406-2
 SDG No.: _____
 Instrument ID: WC05 Analysis Method: 353.2
 Start Date: 01/03/2014 11:21 End Date: 01/03/2014 15:09

Lab Sample Id	D/F	T Y P e	Time	Analytes																									
				N N O 3 2																									
ZZZZZZ			15:00																										
ZZZZZZ			15:00																										
CCV 600-124343/120			15:01																										
CCB 600-124343/121			15:02																										
ZZZZZZ			15:02																										
ZZZZZZ			15:03																										
ZZZZZZ			15:03																										
ZZZZZZ			15:04																										
ZZZZZZ			15:05																										
ZZZZZZ			15:05																										
ZZZZZZ			15:06																										
ZZZZZZ			15:07																										
ZZZZZZ			15:07																										
ZZZZZZ			15:08																										
CCV 600-124343/132			15:08																										
CCB 600-124343/133			15:09																										

Prep Types: _____
 T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84406-2

SDG No.: _____

Batch Number: 124343 Batch Start Date: 01/03/14 11:21 Batch Analyst: Daniel, Kevin RBatch Method: 353.2 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WETSICCN03 00010	WETSICIN03 00009		
ICV 600-124343/7		353.2		5 mL	5 mL		0.005 mL		
ICB 600-124343/8		353.2		5 mL	5 mL				
MB 600-124343/10		353.2		5 mL	5 mL				
LCS 600-124343/11		353.2		5 mL	5 mL	0.005 mL			
600-84406-A-8	BlancoSouth-MW14 -12172013	353.2	T	5 mL	5 mL				
600-84406-A-9	BlancoSouth-MD02 -12172013	353.2	T	5 mL	5 mL				
CCV 600-124343/19		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/20		353.2		5 mL	5 mL				
CCV 600-124343/67		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/68		353.2		5 mL	5 mL				
CCV 600-124343/79		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/80		353.2		5 mL	5 mL				
600-84406-A-8 ^100	BlancoSouth-MW14 -12172013	353.2	T	5 mL	5 mL				
600-84406-A-9 ^100	BlancoSouth-MD02 -12172013	353.2	T	5 mL	5 mL				
CCV 600-124343/91		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/92		353.2		5 mL	5 mL				

Batch Notes	

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.

353.2

Page 1 of 1

Shipping and Receiving Documents

Chain of Custody Record

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement.

Client Information		Sampler: Luke Hill		Lab PM: Rodrigue, Neil A		Carrier Tracking No(s): 80411763356	
Client Contact: Mr. John Yrlande		Phone: 205-240-3235		E-Mail: neil.rodrigue@testamericainc.com		600-84406 Chain of Custody	
Company: CH2M Hill Constructors, Inc.		Address: 34701 St. Mary's Lane Suite 300		City: Houston		State: TX	
Star, Zip: 77079-2923		Phone: 281-721-8546(Tel)		Fax: 77079-2923		PO #: 477041.02.01	
Email: john.yrlande@ch2m.com		Project Name: Kinder Morgan Bloomfield, NM		Project #: 60004617		SSOW#: WO#	
Due Date Requested:		TAT Requested (days): 10 - Business Days Level 2 Report, 15 - Business Days Level 3 or 4 Package (where required)		Analysis Requested		Job #:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (Weigh, Spicid, Compositio, BPT-Trans, A-A-B)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		6010B, 7470A - NMWQCC Metals	
6010B, 7470A - NMWQCC Metals		353.2_Pres - Nitrate Nitrite as N		8260B_LL - Target Compound List VOC's		8270C_LL - Target Compound List SVOCs	
8081A - Target Compound List OC Pesticides		8151A - Chlorinated Herbicides Routine List		9040B - pH		9012_ReactiveCN, 9034 - Reactive Cyanide & Sulfide	
1010 - Flashpoint		2320B Alkalinity, 2540C_Calcd TDS, 300.0_28D Cl-, SO4-		Total Number of containers		Special Instructions/Note:	
Preservation Codes:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		Blanko NFP-MW32-12172013 Blanko NFP-MW23-12172013 Blanko NFP-MDO1-12172013 Blanko NFP-BquBlank-12172013 Blanko NFP-MW33-12172013 Blanko NFP-MW33-12172013MS Blanko NFP-MW33-12172013MS Blanko NFP-IDN-12172013 Blanko NFP-TB01-12172013 Blanko NFP-MW14-12172013 Blanko NFP-MD02-12172013	
Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-84406-2

Login Number: 84406

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
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	4.2/3.2
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.	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.	True	
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	No analysis requiring residual chlorine check assigned.

Data Usability Review: Data Package				
Client Name:	Kinder Morgan	Project Number:	477041.03.01	
Project / Affected Property:	Blanco South	Project Manager:	Jeff Minchak	
Laboratory:	TA Houston	Lab SDG # / Job #:	J84456-1	
Reviewer:	Bryan Jones	Date Reviewed:	2/19/2014	
Level of Review / Validation:	III	Date SDG Received:	02/06/14	
ITEM	YES	NO	N/A	COMMENTS
Laboratory Data Package Signature Page included?	☒	☐	☐	
Date of sample collection included?	☒	☐	☐	
Sample receipt temperature 2-6° C?	☒	☐	☐	
Signed COCs included?	☒	☐	☐	
Field ID included?	☒	☐	☐	
Laboratory ID included?	☒	☐	☐	
Date of analysis included?	☒	☐	☐	
Date of sample preparation included?	☒	☐	☐	
Detection levels included?	☒	☐	☐	
Method reference included?	☒	☐	☐	
Sample matrix included?	☒	☐	☐	
Sample results included?	☒	☐	☐	
Supporting QC documentation included?	☒	☐	☐	
Case narrative included, where required?	☒	☐	☐	
Definitions: AA - Atomic Absorption; %D - Percent Difference, ICP - Inductively Coupled Plasma; IDL - Instrument Detection Limit; MDL - Method Detection Limit; MQL - Method Quantitation Limit; %R - Percent Recovery; RF - Response Factor; RPD - Relative Percent Difference; RRT - Relative Retention Time; RSD - Relative Standard Deviation.				
COMMENTS				
VOC - U-EB, UJ-MS, UJ-CC, J-CC				
SVOC - U-MB, R-BS, J-BD, UJ-CC				
Metals - No DV flags applied				
Pesticides - No DV flags applied				
Herbicides - No DV flags applied				
Wet Chem - J-MS				

Data Usability Review: VOCs (GC/MS), SW-846 8260B

Client Name:	Kinder Morgan	Project Number:	477041.03.01
Project / Affected Property:	Blanco South	Project Manager:	Jeff Minchak
Laboratory:	TA Houston	Lab SDG # / Job #:	J84456-1
Reviewer:	Bryan Jones	Date Reviewed:	2/19/2014

Level of Review / Validation: III

ITEM		YES	NO	N/A	COMMENTS
R1	Preparatory/analytical holding time met?	☒	☐	☐	
R2	Surrogate data included in lab package?	☒	☐	☐	
R3	%R criteria met? (use limits listed below or specify lab limits). Reject %R <10%.	☒	☐	☐	
R4	R5 Method blank data included in Lab Package?	☒	☐	☐	
R5	Criteria met? (<5X MQL for common cont, <MQL for others)	☐	☒	☐	U-EB
R6	QC check samples/LCS data included in lab package?	☒	☐	☐	
R7	%R criteria met? (specified limits)	☒	☐	☐	
R8	Matrix spike data included in lab package?	☒	☐	☐	
R9	%R criteria met? (laboratory specified limits)	☐	☒	☐	UJ-MS
R10	RPD criteria met? (< 20% water, <50% soil)	☒	☐	☐	
R11	Initial calibration documentation included in lab package?	☒	☐	☐	
R12	RF criteria met for SPCC? RRF <0.05 rejected.	☒	☐	☐	
R13	%RSD criteria met for CCC? (<30% RSD for CCC, >15% RSD must have fit)	☒	☐	☐	
R14	Calibration verification data included in lab package?	☒	☐	☐	
R15	RF criteria met for SPCC? RRF <0.05 rejected.	☒	☐	☐	
R16	%D criteria met for CCC? (20% Max, Qualify >25%D)	☐	☒	☐	UJ-CC, J-CC
R17	Instrument Tune included in lab package?	☒	☐	☐	
R18	Instrument Tune criteria met?	☒	☐	☐	
R19	Internal standard data included in lab package?	☒	☐	☐	
R20	Area within limits? (within -50% to +100% of last calibration check?	☒	☐	☐	
R21	RRT within limits? (<30 sec. Difference from last calibration check?	☒	☐	☐	

Notes:

* SPCC: chloromethane (0.1); 1,1-dichloroethane (0.1); bromoform (0.1); chlorobenzene (0.3); and 1,1,2,2-tetrachloroethane (0.3).

Definitions: AA - Atomic Absorption; %D - Percent Difference, ICP - Inductively Coupled Plasma; IDL - Instrument Detection Limit; MDL - Method Detection Limit; MQL - Method Quantitation Limit; %R - Percent Recovery; RF - Response Factor; RPD - Relative P

COMMENTS

R5; The equipment blank had detects for 1,1-Dichloroethane (0.114 ug/L) and cis-1,2-Dichloroethene (0.226 ug/L), associated detected results within 5 X the EB concentration were flagged U-EB.

R9; Bromomethane and Chloromethane failed the recovery criteria low for the MSD of sample BlancoSouth-MW12-12182013MSD (600-84456-11), sample results were flagged UJ-MS.

R16; The continuing calibration verification (CCV) for analytical batch 123637 was biased low for carbon disulfide (-44.4), chloromethane(-49.5) and trans-1,2-dichloroethene (-36.1) and biased high for 1,1,2,2-tetrachloroethane(+38.8). Associated non-detected results for carbon disulfide, chloromethane and trans-1,2-dichloroethene were flagged UJ-CC, associated detected results were flagged J-CC, associated non-detects for 1,1,2,2-tetrachloroethane required no flagging. The continuing calibration verification (CCV) for analytical batch 123757 was biased low for chloromethane (-45.7) and carbon disulfide (-39.3), associated non-detected results were flagged UJ-CC.

Data Usability Review: SVOCs (GC/MS), SW-846 8270C					
Client Name:		Kinder Morgan		Project Number: 477041.03.01	
Project / Affected Property:		Blanco South		Project Manager: Jeff Minchak	
Laboratory:		TA Houston		Lab SDG # / Job #: J84456-1	
Reviewer:		Bryan Jones		Date Reviewed: 2/19/2014	
Level of Review / Validation:		III			
ITEM		YES	NO	N/A	COMMENTS
R1	Preparatory/analytical holding time met?	☒	☐	☐	
R2	Surrogate data included in lab package?	☒	☐	☐	
R3	%R criteria met? (use limits listed below or specify lab limits). Reject <10%	☒	☐	☐	
R4	R5 Method blank data included in Lab Package?	☒	☐	☐	
R5	Criteria met? (<5X MQL for common cont, <MQL for others)	☐	☒	☐	U-MB
R6	QC check samples/LCS data included in lab package?	☒	☐	☐	
R7	%R criteria met? (specified limits)	☐	☒	☐	R-BS, J-BD
R8	Matrix spike data included in lab package?	☐	☒	☐	
R9	%R criteria met? (laboratory specified limits)	☐	☐	☒	
R10	RPD criteria met? (< 20% water, <50% soil)	☐	☐	☒	
R11	Initial calibration documentation included in lab package?	☒	☐	☐	
R12	RF criteria met for SPCC? RRF <0.05 rejected.	☒	☐	☐	
R13	%RSD criteria met for CCC? (<30% RSD for CCC, >15% RSD must have fit)	☒	☐	☐	
R14	Calibration verification data included in lab package?	☒	☐	☐	
R15	RF criteria met for SPCC? RRF <0.05 rejected.	☒	☐	☐	
R16	%D criteria met for CCC? (20% Max, Qualify >25%D)	☐	☒	☐	UJ-CC
R17	Instrument Tune included in package?	☒	☐	☐	
R18	Instrument Tune criteria met?	☒	☐	☐	
R19	Internal standard data included in lab package?	☒	☐	☐	
R20	Area within limits? (within -50% to +100% of last calibration check?	☒	☐	☐	
R21	RRT within limits? (<30 sec. Difference from last calibration check?	☒	☐	☐	
Notes:					
Definitions: AA - Atomic Absorption; %D - Percent Difference, ICP - Inductively Coupled Plasma; IDL - Instrument Detection Limit; MDL - Method Detection Limit; MQL - Method Quantitation Limit; %R - Percent Recovery; RF - Response Factor; RPD - Relative P					
COMMENTS					
R5; Bis(2-ethylhexyl) phthalate and Butyl benzyl phthalate were detected in method blank MB 600-123505/1-A, the associated sample detected results were flagged U-MB.					
R7; 3-Nitroaniline failed the recovery criteria low for LCS 600-123505/2-A and for LCSD 600-123505/3-A, the associated non-detect sample result was flagged R-BS. N-Nitrosodiphenylamine failed the recovery criteria high for LCS 600-123505/2-A and LCSD 600-123505/3-A, no flags applied. Several analytes exceeded the RPD limit for LCSD 600-123505/3-A, detected sample results flagged J-BD.					
R16; The continuing calibration verification (CCV) for analytical batch 123836 was biased low for 3-Nitroaniline and 4-Chloroaniline and biased high for Carbazole, 3-Nitroaniline was previously flagged, the nondetected sample result for 4-Chloroaniline was flagged UJ-CC and the non-detected sample result for Carbazole did not require flagging.					

Data Usability Review: Metals, SW-846 6010, 7470/7471, 7000 Series

Client Name:	Kinder Morgan	Project Number:	477041.03.01
Project / Affected Property:	Blanco South	Project Manager:	Jeff Minchak
Laboratory:	TA Houston	Lab SDG # / Job #:	J84456-1
Reviewer:	Bryan Jones	Date Reviewed:	2/19/2014
Level of Review / Validation:	III		

ITEM		YES	NO	N/A	COMMENTS
R1	Preparatory/analytical holding time met?	☒	☐	☐	
R2	Method blank data included in Lab Package?	☒	☐	☐	
R3	Criteria met? (< MDL)	☐	☒	☐	
R4	LCS / QC check sample data included in lab package?	☒	☐	☐	
R5	%R criteria met? (90-110%)	☒	☐	☐	
R6	Matrix spike data included in lab package?	☐	☒	☐	
R7	%R criteria met? (AA/ICP 75-125%, Hg 85-115%)	☐	☐	☒	
R8	MSD or sample duplicate data included in lab package?	☐	☒	☐	
R9	RPD criteria met? (water RPD < 20%; soil RPD < 30%)	☐	☐	☒	
R10	Initial calibration documentation included in lab package?	☐	☒	☐	
R11	Proper number of standards used in calibration curve? (ICP blank+1 std; AA blank+3 stds; Hg blank+5 stds)	☐	☐	☒	
R12	Calibration verification data (ICV, CCV) included in lab package?	☒	☐	☐	
R13	%R criteria met? (90-110%)	☒	☐	☐	
R14	Interference check sample data included? (ICP only)	☐	☒	☐	
R15	%R criteria met? (80-120%)	☐	☐	☒	
R16	Dilution test (1:5) data included?	☐	☒	☐	
R17	Results within 10% original?	☐	☐	☒	
R18	Post digestion spike included?	☐	☒	☐	
R19	%R criteria met? (75-125% ICP), (85-115% Hg/AA)	☐	☐	☒	

Definitions: AA - Atomic Absorption; %D - Percent Difference, ICP - Inductively Coupled Plasma; IDL - Instrument Detection Limit; MDL - Method Detection Limit; MQL - Method Quantitation Limit; %R - Percent Recovery; RF - Response Factor; RPD - Relative P

COMMENTS

R3; Sodium (0.02672 mg/L) was detected in method blank MB 600-124010/1-A, sample result > 5 times the blank concentration, lab "B" flagged removed.

Client Name:	Kinder Morgan	Project Number:	477041.03.01
Project / Affected Property:	Blanco South	Project Manager:	Jeff Minchak
Laboratory:	TA Houston	Lab SDG # / Job #:	J84456-1
Reviewer:	Bryan Jones	Date Reviewed:	2/19/2014

Notes:
Definitions: AA - Atomic Absorption; %D - Percent Difference, ICP - Inductively Coupled Plasma; IDL - Instrument Detection Limit; MDL - Method Detection Limit; MOL - Method Quantitation Limit; %R - Percent Recovery; RF - Response Factor; RPD - Relative P

[illegible]

Client Name:	Kinder Morgan	Project Number:	477041.03.01
Project / Affected Property:	Blanco South	Project Manager:	Jeff Minchak
Laboratory:	TA Houston	Lab SDG # / Job #:	J84456-1
Reviewer:	Bryan Jones	Date Reviewed:	2/19/2014

Notes:

[illegible]

Data Usability Review: General Chemistry

[illegible]

ANALYTICAL REPORT

Job Number: 600-84456-1
Job Description: BlancoSouth

For:
CH2M Hill Constructors, Inc.
14701 St. Mary's Lane
Suite 300
Houston, TX 77079-2923
Attention: Mr. John Ynfante



Approved for release.
Cathy L. Upton
Project Management Assistant II
2/6/2014 5:40 PM

Cathy L Upton, Project Management Assistant II
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
02/06/2014

cc: Jeffrey Minchak

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

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CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Blanco South

Report Number: 600-84456-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 12/20/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.4 C and 5.8 C.

Except:

The trip blanks were in a baggie that slide off the VOA rack and both vials were broken. Client was notified via email.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BlancoSouth-MW13-12182013 (600-84456-1), BlancoSouth-EquBlank03-12182013 (600-84456-2), BlancoSouth-MW15-12182013 (600-84456-3), BlancoSouth-IDW-12182013 (600-84456-4), BlancoSouth-MW08-12182013 (600-84456-5), BlancoSouth-MW12-12182013 (600-84456-11) and BlancoSouth-EquBlank02-12182013 (600-84456-12) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 12/24/2013 and 12/26/2013.

Chloromethane failed the recovery criteria low for the MS of sample BlancoSouth-MW12-12182013MS (600-84456-11) in batch 600-123637.

Bromomethane and Chloromethane failed the recovery criteria low for the MSD of sample BlancoSouth-MW12-12182013MSD (600-84456-11) in batch 600-123637.

Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Refer to the QC report for details.

The continuing calibration verification (CCV) for analytical batch 123637 was biased low for carbon disulfide, chloromethane and trans-1,2-dichloroethene and biased high for 1,1,2,2-tetrachloroethane. Per the laboratory's SOP criteria, up to six non-CCC analytes can recover up to 50%; therefore, the results have been reported and qualified.

The continuing calibration verification (CCV) for analytical batch 123757 was biased low for chloromethane and carbon disulfide. Per the laboratory's SOP criteria, up to six non-CCC analytes can recover up to 50%; therefore, the results have been reported and qualified.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC MS)

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for Semivolatile Organic Compounds (GC MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 12/23/2013 and analyzed on 12/27/2013.

Bis(2-ethylhexyl) phthalate and Butyl benzyl phthalate were detected in method blank MB 600-123505/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

3-Nitroaniline failed the recovery criteria low for LCS 600-123505/2-A and for LCSD 600-123505/3-A. 3-Nitroaniline has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analyses were not performed.

N-Nitrosodiphenylamine failed the recovery criteria high for LCS 600-123505/2-A and LCSD 600-123505/3-A. The samples were non-detect for this analyte; therefore, the results have been reported and qualified.

Also, several analytes exceeded the RPD limit for LCSD 600-123505/3-A.

Refer to the QC report for details.

The continuing calibration verification (CCV) for analytical batch 123836 was biased low for 3-Nitroaniline and 4-Chloroaniline and biased high for Carbazole. The SOP makes allowance for up to four non-CCC analytes to have a %drift greater than the acceptable limit. The data have been qualified and reported.

The continuing calibration verification (CCV) for analytical batch 124073 was biased low for 3-Nitroaniline and biased high for 4-Nitroaniline and Carbazole. The SOP makes allowance for up to four non-CCC analytes to have a %drift greater than the acceptable limit. The data have been qualified and reported.

The continuing calibration verification (CCV) for analytical batch 124073 was biased high for Benzidine. The samples were non-detect for this analyte; therefore, the results have been reported and qualified.

The Max %D for Phenol-d5 is not showing up on the CCV forms, it should read 40.0.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 12/23/2013 and analyzed on 01/02/2014.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED HERBICIDES

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 12/24/2013 and analyzed on 01/02/2014.

Surrogate compound DCAA eluted outside the retention time window on the A column for the following sample(s): (MB 600-123572/1-A). This retention time shift was taken into account when reviewing the sample(s) for target compounds. The data has been qualified and reported.

No other difficulties were encountered during the herbicides analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 12/31/2013 and analyzed on 01/03/2014.

Sodium was detected in method blank MB 600-124010/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

Sample BlancoSouth-IDW-12182013 (600-84456-4)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 12/23/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

FLASHPOINT

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The samples were analyzed on 12/31/2013.

No difficulties were encountered during the flashpoint analysis.

All quality control parameters were within the acceptance limits.

ALKALINITY

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for alkalinity in accordance with SM20 2320B. The samples were analyzed on 12/31/2013.

No difficulties were encountered during the alkalinity analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 12/23/2013.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

ANIONS

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 12/23/2013 and 12/24/2013.

Samples BlancoSouth-IDW-12182013 (600-84456-4)[100X] and BlancoSouth-IDW-12182013 (600-84456-4)[200X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analysis.

All other quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Samples BlancoSouth-MW13-12182013 (600-84456-1), BlancoSouth-EquBlank03-12182013 (600-84456-2), BlancoSouth-MW15-12182013 (600-84456-3), BlancoSouth-MW08-12182013 (600-84456-5), BlancoSouth-MW06-12182013 (600-84456-6), BlancoSouth-MW30-12182013 (600-84456-7), BlancoSouth-MW05-12182013 (600-84456-8), BlancoSouth-MW29-12182013 (600-84456-9), BlancoSouth-MW28-12182013 (600-84456-10), BlancoSouth-MW12-12182013 (600-84456-11) and BlancoSouth-EquBlank02-12182013 (600-84456-12) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 01/03/2014.

Nitrate Nitrite as N failed the recovery criteria high for the MS of sample BlancoSouth-MW12-12182013MS (600-84456-11) in batch 600-124343.

Nitrate Nitrite as N exceeded the RPD limit for the MSD of sample BlancoSouth-MW12-12182013MSD (600-84456-11) in batch 600-124343.

Nitrate Nitrite as N failed the recovery criteria low for the MS of sample BlancoSouth-EquBlank03-12182013MS (600-84456-2) in batch 600-124343.

Nitrate Nitrite as N failed the recovery criteria low for the MSD of sample BlancoSouth-EquBlank03-12182013MSD (600-84456-2) in batch 600-124343. Nitrate Nitrite as N exceeded the RPD limit.

Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Refer to the QC report for details.

Samples BlancoSouth-MW13-12182013 (600-84456-1)[100X], BlancoSouth-MW15-12182013 (600-84456-3)[250X], BlancoSouth-MW06-12182013 (600-84456-6)[250X], BlancoSouth-MW30-12182013 (600-84456-7)[50X], BlancoSouth-MW05-12182013 (600-84456-8)[100X], BlancoSouth-MW29-12182013 (600-84456-9)[100X], BlancoSouth-MW28-12182013 (600-84456-10)[100X] and BlancoSouth-MW12-12182013 (600-84456-11)[250X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the nitrate-nitrite analysis.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for reactive cyanide in accordance with EPA SW-846 7.3.3. The samples were prepared and analyzed on 12/31/2013.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4. The samples were prepared and analyzed on 12/31/2013.

No difficulties were encountered during the sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Sample BlancoSouth-IDW-12182013 (600-84456-4) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9040B. The samples were analyzed on 12/23/2013.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-84456-1	BlancoSouth-MW13-12182013	Water	12/18/13 16:10	12/20/13 11:18
600-84456-2	BlancoSouth-EquBlank03-12182013	Water	12/18/13 16:30	12/20/13 11:18
600-84456-3	BlancoSouth-MW15-12182013	Water	12/18/13 17:15	12/20/13 11:18
600-84456-4	BlancoSouth-IDW-12182013	Water	12/18/13 08:00	12/20/13 11:18
600-84456-5	BlancoSouth-MW08-12182013	Water	12/18/13 10:40	12/20/13 11:18
600-84456-6	BlancoSouth-MW06-12182013	Water	12/18/13 11:20	12/20/13 11:18
600-84456-7	BlancoSouth-MW30-12182013	Water	12/18/13 12:10	12/20/13 11:18
600-84456-8	BlancoSouth-MW05-12182013	Water	12/18/13 13:15	12/20/13 11:18
600-84456-9	BlancoSouth-MW29-12182013	Water	12/18/13 13:50	12/20/13 11:18
600-84456-10	BlancoSouth-MW28-12182013	Water	12/18/13 14:15	12/20/13 11:18
600-84456-11	BlancoSouth-MW12-12182013	Water	12/18/13 15:20	12/20/13 11:18
600-84456-12	BlancoSouth-EquBlank02-12182013	Water	12/18/13 15:15	12/20/13 11:18

Method Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
8081A	Organochlorine Pesticides (GC)	SW846	TAL HOU
8151A	Herbicides (GC)	SW846	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
7470A	Mercury (CVAA)	SW846	TAL HOU
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL HOU
300.0	Anions, Ion Chromatography	MCAWW	TAL HOU
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL HOU
9012	Cyanide, Reactive	SW846	TAL HOU
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL HOU
9040B	pH	SW846	TAL HOU
SM 2320B	Alkalinity	SM	TAL HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL HOU

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Detection Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW13-12182013

Lab Sample ID: 600-84456-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.963	J	1.00	0.0800	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	40.7		1.00	0.110	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.188	J	1.00	0.140	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.807	J	1.00	0.190	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.89		1.00	0.0900	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.14		1.00	0.130	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.388	J	1.00	0.150	ug/L	1		8260B	Total/NA
Trichloroethene	14.2		1.00	0.180	ug/L	1		8260B	Total/NA
Vinyl chloride	0.436	J	2.00	0.110	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	26.9		1.00	0.0600	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	30.8		1.00	0.300	ug/L	1		8260B	Total/NA
Nitrate Nitrite as N	15.4		5.00	1.70	mg/L	100		353.2	Total/NA

Client Sample ID: BlancoSouth-EquBlank03-12182013

Lab Sample ID: 600-84456-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.114	J	1.00	0.110	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.226	J	1.00	0.0600	ug/L	1		8260B	Total/NA
Nitrate Nitrite as N	0.0599		0.0500	0.0170	mg/L	1		353.2	Total/NA

Client Sample ID: BlancoSouth-MW15-12182013

Lab Sample ID: 600-84456-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.54	J	5.00	0.990	ug/L	1		8260B	Total/NA
Benzene	0.598	J	1.00	0.0800	ug/L	1		8260B	Total/NA
Chloroform	0.911	J	1.00	0.130	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	3.21		1.00	0.110	ug/L	1		8260B	Total/NA
Trichloroethene	0.324	J	1.00	0.180	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.465	J	1.00	0.0600	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	0.465	J	1.00	0.300	ug/L	1		8260B	Total/NA
Nitrate Nitrite as N	54.8		12.5	4.25	mg/L	250		353.2	Total/NA

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.57		1.00	0.0800	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	4.92		1.00	0.110	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.436	J	1.00	0.0900	ug/L	1		8260B	Total/NA
Ethylbenzene	0.630	J	1.00	0.110	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.218	J	1.00	0.130	ug/L	1		8260B	Total/NA
Toluene	4.61		1.00	0.150	ug/L	1		8260B	Total/NA
Trichloroethene	1.60		1.00	0.180	ug/L	1		8260B	Total/NA
o-Xylene	5.31		1.00	0.120	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	15.1		1.00	0.170	ug/L	1		8260B	Total/NA
Xylenes, Total	20.4		1.00	0.260	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.26		1.00	0.0600	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	3.70		1.00	0.300	ug/L	1		8260B	Total/NA
Benzo[b]fluoranthene	0.372	J *	2.00	0.180	ug/L	1		8270C LL	Total/NA
Benzo[a]pyrene	0.277	J *	1.50	0.130	ug/L	1		8270C LL	Total/NA
Bis(2-ethylhexyl) phthalate	1.35	J B	2.50	0.590	ug/L	1		8270C LL	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Houston

Detection Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-IDW-12182013 (Continued)

Lab Sample ID: 600-84456-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Butyl benzyl phthalate	1.62	J B *	2.50	0.850	ug/L	1		8270C LL	Total/NA
1,2-Dichlorobenzene	2.22	*	1.75	0.210	ug/L	1		8270C LL	Total/NA
Di-n-octyl phthalate	0.873	J	5.00	0.160	ug/L	1		8270C LL	Total/NA
Fluorene	0.122	J	1.50	0.120	ug/L	1		8270C LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.291	J	2.00	0.290	ug/L	1		8270C LL	Total/NA
2-Methylnaphthalene	1.02	J *	1.50	0.140	ug/L	1		8270C LL	Total/NA
Naphthalene	0.823	J *	2.00	0.160	ug/L	1		8270C LL	Total/NA
Aluminum	2.76		0.500	0.0216	mg/L	1		6010B	Total/NA
Barium	0.0122	J	0.0200	0.00220	mg/L	1		6010B	Total/NA
Calcium	363		1.00	0.0219	mg/L	1		6010B	Total/NA
Cobalt	0.0166		0.0100	0.000630	mg/L	1		6010B	Total/NA
Copper	0.00527	J	0.0100	0.00145	mg/L	1		6010B	Total/NA
Iron	0.427		0.400	0.0866	mg/L	1		6010B	Total/NA
Potassium	9.52		1.00	0.129	mg/L	1		6010B	Total/NA
Magnesium	93.7		1.00	0.0191	mg/L	1		6010B	Total/NA
Manganese	1.94		0.0100	0.000840	mg/L	1		6010B	Total/NA
Molybdenum	0.00315	J	0.0100	0.00273	mg/L	1		6010B	Total/NA
Nickel	0.0351		0.0100	0.00179	mg/L	1		6010B	Total/NA
Selenium	0.0162	J	0.0400	0.00417	mg/L	1		6010B	Total/NA
Zinc	0.0643		0.0300	0.00217	mg/L	1		6010B	Total/NA
Sodium - DL	2150	B	20.0	0.400	mg/L	20		6010B	Total/NA
Chloride	115		40.0	2.70	mg/L	100		300.0	Total/NA
Sulfate	5270		100	16.6	mg/L	200		300.0	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>186		1.00	1.00	Degrees F	1		1010	Total/NA
pH	7.05	H	0.0100	0.0100	SU	1		9040B	Total/NA
Alkalinity	628		10.0	10.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	628		10.0	10.0	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	7860		40.0	40.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: BlancoSouth-MW08-12182013

Lab Sample ID: 600-84456-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.28	J	5.00	0.990	ug/L	1		8260B	Total/NA
Benzene	0.0867	J	1.00	0.0800	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	3.21		2.00	0.760	ug/L	1		8260B	Total/NA
Toluene	0.289	J	1.00	0.150	ug/L	1		8260B	Total/NA
Nitrate Nitrite as N	0.122		0.0500	0.0170	mg/L	1		353.2	Total/NA

Client Sample ID: BlancoSouth-MW06-12182013

Lab Sample ID: 600-84456-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	143		12.5	4.25	mg/L	250		353.2	Total/NA

Client Sample ID: BlancoSouth-MW30-12182013

Lab Sample ID: 600-84456-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	101		2.50	0.850	mg/L	50		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Houston

Detection Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW05-12182013

Lab Sample ID: 600-84456-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	170		5.00	1.70	mg/L	100		353.2	Total/NA

Client Sample ID: BlancoSouth-MW29-12182013

Lab Sample ID: 600-84456-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	180		5.00	1.70	mg/L	100		353.2	Total/NA

Client Sample ID: BlancoSouth-MW28-12182013

Lab Sample ID: 600-84456-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	47.2		5.00	1.70	mg/L	100		353.2	Total/NA

Client Sample ID: BlancoSouth-MW12-12182013

Lab Sample ID: 600-84456-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.50	J	5.00	0.990	ug/L	1		8260B	Total/NA
Chloroform	0.225	J	1.00	0.130	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	2.53		1.00	0.110	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.384	J	1.00	0.0900	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.50		1.00	0.130	ug/L	1		8260B	Total/NA
Trichloroethene	1.93		1.00	0.180	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.77		1.00	0.0600	ug/L	1		8260B	Total/NA
1,2-Dichloroethene, Total	4.15		1.00	0.300	ug/L	1		8260B	Total/NA
Nitrate Nitrite as N	13.2		12.5	4.25	mg/L	250		353.2	Total/NA

Client Sample ID: BlancoSouth-EquBlank02-12182013

Lab Sample ID: 600-84456-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	0.0767		0.0500	0.0170	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW13-12182013

Lab Sample ID: 600-84456-1

Date Collected: 12/18/13 16:10

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/24/13 19:16	1
Benzene	0.963	J	1.00	0.0800	ug/L			12/24/13 19:16	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/24/13 19:16	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/24/13 19:16	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/24/13 19:16	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/24/13 19:16	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/24/13 19:16	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/24/13 19:16	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/24/13 19:16	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/24/13 19:16	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/24/13 19:16	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/24/13 19:16	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/24/13 19:16	1
1,1-Dichloroethane	40.7		1.00	0.110	ug/L			12/24/13 19:16	1
1,2-Dichloroethane	0.188	J	1.00	0.140	ug/L			12/24/13 19:16	1
1,1-Dichloroethene	0.807	J	1.00	0.190	ug/L			12/24/13 19:16	1
trans-1,2-Dichloroethene	3.89	J-CC	1.00	0.0900	ug/L			12/24/13 19:16	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/24/13 19:16	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/24/13 19:16	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/24/13 19:16	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/24/13 19:16	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/24/13 19:16	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/24/13 19:16	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/24/13 19:16	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/24/13 19:16	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/24/13 19:16	1
Tetrachloroethene	1.14		1.00	0.130	ug/L			12/24/13 19:16	1
Toluene	0.150	U	1.00	0.150	ug/L			12/24/13 19:16	1
1,1,1-Trichloroethane	0.388	J	1.00	0.150	ug/L			12/24/13 19:16	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/24/13 19:16	1
Trichloroethene	14.2		1.00	0.180	ug/L			12/24/13 19:16	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/24/13 19:16	1
Vinyl chloride	0.436	J	2.00	0.110	ug/L			12/24/13 19:16	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/24/13 19:16	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/24/13 19:16	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/24/13 19:16	1
cis-1,2-Dichloroethene	26.9		1.00	0.0600	ug/L			12/24/13 19:16	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/24/13 19:16	1
1,2-Dichloroethene, Total	30.8		1.00	0.300	ug/L			12/24/13 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		12/24/13 19:16	1
Dibromofluoromethane	115		62 - 130		12/24/13 19:16	1
4-Bromofluorobenzene	119		67 - 139		12/24/13 19:16	1
1,2-Dichloroethane-d4 (Surr)	120		50 - 134		12/24/13 19:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	15.4		5.00	1.70	mg/L			01/03/14 12:29	100

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-EquBlank03-12182013

Lab Sample ID: 600-84456-2

Date Collected: 12/18/13 16:30

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/24/13 19:41	1
Benzene	0.0800	U	1.00	0.0800	ug/L			12/24/13 19:41	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/24/13 19:41	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/24/13 19:41	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/24/13 19:41	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/24/13 19:41	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/24/13 19:41	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/24/13 19:41	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/24/13 19:41	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/24/13 19:41	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/24/13 19:41	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/24/13 19:41	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/24/13 19:41	1
1,1-Dichloroethane	0.114	J	1.00	0.110	ug/L			12/24/13 19:41	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/24/13 19:41	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/24/13 19:41	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			12/24/13 19:41	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/24/13 19:41	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/24/13 19:41	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/24/13 19:41	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/24/13 19:41	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/24/13 19:41	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/24/13 19:41	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/24/13 19:41	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/24/13 19:41	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/24/13 19:41	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			12/24/13 19:41	1
Toluene	0.150	U	1.00	0.150	ug/L			12/24/13 19:41	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/24/13 19:41	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/24/13 19:41	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			12/24/13 19:41	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/24/13 19:41	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/24/13 19:41	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/24/13 19:41	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/24/13 19:41	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/24/13 19:41	1
cis-1,2-Dichloroethene	0.226	J	1.00	0.0600	ug/L			12/24/13 19:41	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/24/13 19:41	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			12/24/13 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130		12/24/13 19:41	1
Dibromofluoromethane	102		62 - 130		12/24/13 19:41	1
4-Bromofluorobenzene	112		67 - 139		12/24/13 19:41	1
1,2-Dichloroethane-d4 (Surr)	106		50 - 134		12/24/13 19:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0599		0.0500	0.0170	mg/L			01/03/14 11:41	1

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW15-12182013

Lab Sample ID: 600-84456-3

Date Collected: 12/18/13 17:15

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.54	J	5.00	0.990	ug/L			12/26/13 15:56	1
Benzene	0.598	J	1.00	0.0800	ug/L			12/26/13 15:56	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/26/13 15:56	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/26/13 15:56	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/26/13 15:56	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/26/13 15:56	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/26/13 15:56	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/26/13 15:56	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/26/13 15:56	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/26/13 15:56	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/26/13 15:56	1
Chloroform	0.911	J	1.00	0.130	ug/L			12/26/13 15:56	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/26/13 15:56	1
1,1-Dichloroethane	3.21		1.00	0.110	ug/L			12/26/13 15:56	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/26/13 15:56	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/26/13 15:56	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			12/26/13 15:56	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/26/13 15:56	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/26/13 15:56	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/26/13 15:56	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/26/13 15:56	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/26/13 15:56	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/26/13 15:56	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/26/13 15:56	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/26/13 15:56	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/26/13 15:56	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			12/26/13 15:56	1
Toluene	0.150	U	1.00	0.150	ug/L			12/26/13 15:56	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/26/13 15:56	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/26/13 15:56	1
Trichloroethene	0.324	J	1.00	0.180	ug/L			12/26/13 15:56	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/26/13 15:56	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/26/13 15:56	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/26/13 15:56	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/26/13 15:56	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/26/13 15:56	1
cis-1,2-Dichloroethene	0.465	J	1.00	0.0600	ug/L			12/26/13 15:56	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/26/13 15:56	1
1,2-Dichloroethene, Total	0.465	J	1.00	0.300	ug/L			12/26/13 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		12/26/13 15:56	1
Dibromofluoromethane	103		62 - 130		12/26/13 15:56	1
4-Bromofluorobenzene	108		67 - 139		12/26/13 15:56	1
1,2-Dichloroethane-d4 (Surr)	110		50 - 134		12/26/13 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	54.8		12.5	4.25	mg/L			01/03/14 12:29	250

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Date Collected: 12/18/13 08:00

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/26/13 16:22	1
Benzene	6.57		1.00	0.0800	ug/L			12/26/13 16:22	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/26/13 16:22	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/26/13 16:22	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/26/13 16:22	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/26/13 16:22	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/26/13 16:22	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/26/13 16:22	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/26/13 16:22	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/26/13 16:22	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/26/13 16:22	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/26/13 16:22	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/26/13 16:22	1
1,1-Dichloroethane	4.92		1.00	0.110	ug/L			12/26/13 16:22	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/26/13 16:22	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/26/13 16:22	1
trans-1,2-Dichloroethene	0.436	J	1.00	0.0900	ug/L			12/26/13 16:22	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/26/13 16:22	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/26/13 16:22	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/26/13 16:22	1
Ethylbenzene	0.630	J	1.00	0.110	ug/L			12/26/13 16:22	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/26/13 16:22	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/26/13 16:22	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/26/13 16:22	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/26/13 16:22	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/26/13 16:22	1
Tetrachloroethene	0.218	J	1.00	0.130	ug/L			12/26/13 16:22	1
Toluene	4.61		1.00	0.150	ug/L			12/26/13 16:22	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/26/13 16:22	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/26/13 16:22	1
Trichloroethene	1.60		1.00	0.180	ug/L			12/26/13 16:22	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/26/13 16:22	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/26/13 16:22	1
o-Xylene	5.31		1.00	0.120	ug/L			12/26/13 16:22	1
m-Xylene & p-Xylene	15.1		1.00	0.170	ug/L			12/26/13 16:22	1
Xylenes, Total	20.4		1.00	0.260	ug/L			12/26/13 16:22	1
cis-1,2-Dichloroethene	3.26		1.00	0.0600	ug/L			12/26/13 16:22	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/26/13 16:22	1
1,2-Dichloroethene, Total	3.70		1.00	0.300	ug/L			12/26/13 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		12/26/13 16:22	1
Dibromofluoromethane	100		62 - 130		12/26/13 16:22	1
4-Bromofluorobenzene	104		67 - 139		12/26/13 16:22	1
1,2-Dichloroethane-d4 (Surr)	104		50 - 134		12/26/13 16:22	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U *	1.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
Acenaphthylene	0.160	U *	1.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Date Collected: 12/18/13 08:00

Matrix: Water

Date Received: 12/20/13 11:18

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.440	U	1.50	0.440	ug/L		12/23/13 10:49	12/27/13 19:54	1
Benzidine	17.9	U *	50.0	17.9	ug/L		12/23/13 10:49	12/27/13 19:54	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		12/23/13 10:49	12/27/13 19:54	1
Benzo[b]fluoranthene	0.372	J * J-BD	2.00	0.180	ug/L		12/23/13 10:49	12/27/13 19:54	1
Benzo[k]fluoranthene	0.160	U *	2.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
Benzo[g,h,i]perylene	0.350	U *	2.50	0.350	ug/L		12/23/13 10:49	12/27/13 19:54	1
Benzo[a]pyrene	0.277	J * J-BD	1.50	0.130	ug/L		12/23/13 10:49	12/27/13 19:54	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		12/23/13 10:49	12/27/13 19:54	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		12/23/13 10:49	12/27/13 19:54	1
Bis(2-ethylhexyl) phthalate	1.35	J B U-MB	2.50	0.590	ug/L		12/23/13 10:49	12/27/13 19:54	1
4-Bromophenyl phenyl ether	0.250	U *	1.50	0.250	ug/L		12/23/13 10:49	12/27/13 19:54	1
Butyl benzyl phthalate	1.62	J B * U-MB	2.50	0.850	ug/L		12/23/13 10:49	12/27/13 19:54	1
4-Chloroaniline	0.110	U * UJ-CC	1.00	0.110	ug/L		12/23/13 10:49	12/27/13 19:54	1
2-Chloronaphthalene	0.190	U *	1.50	0.190	ug/L		12/23/13 10:49	12/27/13 19:54	1
4-Chlorophenyl phenyl ether	0.230	U *	1.50	0.230	ug/L		12/23/13 10:49	12/27/13 19:54	1
Carbazole	0.350	U *	5.00	0.350	ug/L		12/23/13 10:49	12/27/13 19:54	1
Chrysene	0.240	U	1.50	0.240	ug/L		12/23/13 10:49	12/27/13 19:54	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		12/23/13 10:49	12/27/13 19:54	1
Dibenz(a,h)anthracene	0.290	U *	2.50	0.290	ug/L		12/23/13 10:49	12/27/13 19:54	1
Dibenzofuran	0.160	U *	1.50	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
1,2-Dichlorobenzene	2.22	* J-BD	1.75	0.210	ug/L		12/23/13 10:49	12/27/13 19:54	1
1,3-Dichlorobenzene	0.100	U *	1.50	0.100	ug/L		12/23/13 10:49	12/27/13 19:54	1
1,4-Dichlorobenzene	0.160	U *	2.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
3,3'-Dichlorobenzidine	0.320	U *	5.00	0.320	ug/L		12/23/13 10:49	12/27/13 19:54	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		12/23/13 10:49	12/27/13 19:54	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		12/23/13 10:49	12/27/13 19:54	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		12/23/13 10:49	12/27/13 19:54	1
Di-n-octyl phthalate	0.873	J	5.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
Fluoranthene	0.310	U	2.50	0.310	ug/L		12/23/13 10:49	12/27/13 19:54	1
Fluorene	0.122	J	1.50	0.120	ug/L		12/23/13 10:49	12/27/13 19:54	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		12/23/13 10:49	12/27/13 19:54	1
Hexachlorocyclopentadiene	0.150	U *	1.50	0.150	ug/L		12/23/13 10:49	12/27/13 19:54	1
Hexachloroethane	0.170	U *	2.00	0.170	ug/L		12/23/13 10:49	12/27/13 19:54	1
Hexachlorobutadiene	0.190	U *	2.00	0.190	ug/L		12/23/13 10:49	12/27/13 19:54	1
Indeno[1,2,3-cd]pyrene	0.291	J	2.00	0.290	ug/L		12/23/13 10:49	12/27/13 19:54	1
Isophorone	0.150	U	1.50	0.150	ug/L		12/23/13 10:49	12/27/13 19:54	1
2-Methylnaphthalene	1.02	J * J-BD	1.50	0.140	ug/L		12/23/13 10:49	12/27/13 19:54	1
Naphthalene	0.823	J * J-BD	2.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		12/23/13 10:49	12/27/13 19:54	1
3-Nitroaniline	0.130	U * R-BD	2.50	0.130	ug/L		12/23/13 10:49	12/27/13 19:54	1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L		12/23/13 10:49	12/27/13 19:54	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		12/23/13 10:49	12/27/13 19:54	1
N-Nitrosodimethylamine	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
N-Nitrosodiphenylamine	0.330	U *	1.50	0.330	ug/L		12/23/13 10:49	12/27/13 19:54	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		12/23/13 10:49	12/27/13 19:54	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		12/23/13 10:49	12/27/13 19:54	1
Pyrene	0.330	U	2.00	0.330	ug/L		12/23/13 10:49	12/27/13 19:54	1
1,2,4-Trichlorobenzene	0.160	U *	2.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
Benzyl alcohol	0.510	U *	2.00	0.510	ug/L		12/23/13 10:49	12/27/13 19:54	1

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Date Collected: 12/18/13 08:00

Matrix: Water

Date Received: 12/20/13 11:18

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.250	U *	1.00	0.250	ug/L		12/23/13 10:49	12/27/13 19:54	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		12/23/13 10:49	12/27/13 19:54	1
2-Methylphenol	0.190	U *	1.50	0.190	ug/L		12/23/13 10:49	12/27/13 19:54	1
3 & 4 Methylphenol	0.160	U *	1.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
2,4-Dichlorophenol	0.260	U *	2.50	0.260	ug/L		12/23/13 10:49	12/27/13 19:54	1
2,4-Dimethylphenol	0.180	U *	2.50	0.180	ug/L		12/23/13 10:49	12/27/13 19:54	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/27/13 19:54	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		12/23/13 10:49	12/27/13 19:54	1
2-Nitrophenol	0.220	U *	1.00	0.220	ug/L		12/23/13 10:49	12/27/13 19:54	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		12/23/13 10:49	12/27/13 19:54	1
Pentachlorophenol	0.960	U *	2.50	0.960	ug/L		12/23/13 10:49	12/27/13 19:54	1
Phenol	0.140	U *	1.50	0.140	ug/L		12/23/13 10:49	12/27/13 19:54	1
2,4,5-Trichlorophenol	0.290	U *	2.00	0.290	ug/L		12/23/13 10:49	12/27/13 19:54	1
2,4,6-Trichlorophenol	0.330	U *	2.00	0.330	ug/L		12/23/13 10:49	12/27/13 19:54	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		12/23/13 10:49	12/27/13 19:54	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		12/23/13 10:49	12/27/13 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	91		33 - 141	12/23/13 10:49	12/27/13 19:54	1
Nitrobenzene-d5	60		47 - 120	12/23/13 10:49	12/27/13 19:54	1
2-Fluorophenol	44		18 - 120	12/23/13 10:49	12/27/13 19:54	1
2-Fluorobiphenyl	76		43 - 120	12/23/13 10:49	12/27/13 19:54	1
2,4,6-Tribromophenol	94		44 - 123	12/23/13 10:49	12/27/13 19:54	1
Phenol-d5 (Surr)	32		12 - 128	12/23/13 10:49	12/27/13 19:54	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
4,4'-DDE	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
4,4'-DDT	0.00800	U	0.100	0.00800	ug/L		12/23/13 10:18	01/02/14 16:53	1
Aldrin	0.00600	U	0.0500	0.00600	ug/L		12/23/13 10:18	01/02/14 16:53	1
alpha-BHC	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
alpha-Chlordane	0.0500	U	0.0500	0.0500	ug/L		12/23/13 10:18	01/02/14 16:53	1
beta-BHC	0.00800	U	0.0500	0.00800	ug/L		12/23/13 10:18	01/02/14 16:53	1
Chlordane (technical)	0.0600	U	0.100	0.0600	ug/L		12/23/13 10:18	01/02/14 16:53	1
delta-BHC	0.00500	U	0.0500	0.00500	ug/L		12/23/13 10:18	01/02/14 16:53	1
Dieldrin	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
Endosulfan I	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
Endosulfan II	0.100	U	0.100	0.100	ug/L		12/23/13 10:18	01/02/14 16:53	1
Endosulfan sulfate	0.0250	U	0.100	0.0250	ug/L		12/23/13 10:18	01/02/14 16:53	1
Endrin	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
Endrin aldehyde	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
Endrin ketone	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
gamma-BHC (Lindane)	0.00600	U	0.0500	0.00600	ug/L		12/23/13 10:18	01/02/14 16:53	1
gamma-Chlordane	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
Heptachlor	0.00600	U	0.0500	0.00600	ug/L		12/23/13 10:18	01/02/14 16:53	1
Heptachlor epoxide	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 16:53	1
Methoxychlor	0.00900	U	0.0500	0.00900	ug/L		12/23/13 10:18	01/02/14 16:53	1
Toxaphene	2.44	U	5.00	2.44	ug/L		12/23/13 10:18	01/02/14 16:53	1

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Date Collected: 12/18/13 08:00

Matrix: Water

Date Received: 12/20/13 11:18

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	49		36 - 144	12/23/13 10:18	01/02/14 16:53	1
Tetrachloro-m-xylene	76		32 - 143	12/23/13 10:18	01/02/14 16:53	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0385	U	0.192	0.0385	ug/L		12/24/13 06:28	01/02/14 15:23	1
Dalapon	0.962	U	9.62	0.962	ug/L		12/24/13 06:28	01/02/14 15:23	1
2,4-DB	0.0481	U	0.192	0.0481	ug/L		12/24/13 06:28	01/02/14 15:23	1
Dicamba	0.00962	U	0.192	0.00962	ug/L		12/24/13 06:28	01/02/14 15:23	1
Dichlorprop	0.0288	U	0.192	0.0288	ug/L		12/24/13 06:28	01/02/14 15:23	1
Dinoseb	0.0192	U	0.192	0.0192	ug/L		12/24/13 06:28	01/02/14 15:23	1
Mecoprop	2.54	U	19.2	2.54	ug/L		12/24/13 06:28	01/02/14 15:23	1
MCPA	5.56	U	19.2	5.56	ug/L		12/24/13 06:28	01/02/14 15:23	1
2,4,5-T	0.0192	U	0.192	0.0192	ug/L		12/24/13 06:28	01/02/14 15:23	1
Silvex (2,4,5-TP)	0.0192	U	0.192	0.0192	ug/L		12/24/13 06:28	01/02/14 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	89		10 - 125. 2	12/24/13 06:28	01/02/14 15:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00125	U	0.0100	0.00125	mg/L		12/31/13 08:33	01/03/14 13:20	1
Arsenic	0.00328	U	0.0100	0.00328	mg/L		12/31/13 08:33	01/03/14 13:20	1
Aluminum	2.76		0.500	0.0216	mg/L		12/31/13 08:33	01/03/14 13:20	1
Barium	0.0122	J	0.0200	0.00220	mg/L		12/31/13 08:33	01/03/14 13:20	1
Calcium	363		1.00	0.0219	mg/L		12/31/13 08:33	01/03/14 13:20	1
Cadmium	0.000350	U	0.00500	0.000350	mg/L		12/31/13 08:33	01/03/14 13:20	1
Cobalt	0.0166		0.0100	0.000630	mg/L		12/31/13 08:33	01/03/14 13:20	1
Chromium	0.00155	U	0.0100	0.00155	mg/L		12/31/13 08:33	01/03/14 13:20	1
Copper	0.00527	J	0.0100	0.00145	mg/L		12/31/13 08:33	01/03/14 13:20	1
Iron	0.427		0.400	0.0866	mg/L		12/31/13 08:33	01/03/14 13:20	1
Potassium	9.52		1.00	0.129	mg/L		12/31/13 08:33	01/03/14 13:20	1
Magnesium	93.7		1.00	0.0191	mg/L		12/31/13 08:33	01/03/14 13:20	1
Manganese	1.94		0.0100	0.000840	mg/L		12/31/13 08:33	01/03/14 13:20	1
Molybdenum	0.00315	J	0.0100	0.00273	mg/L		12/31/13 08:33	01/03/14 13:20	1
Nickel	0.0351		0.0100	0.00179	mg/L		12/31/13 08:33	01/03/14 13:20	1
Lead	0.00290	U	0.0100	0.00290	mg/L		12/31/13 08:33	01/03/14 13:20	1
Selenium	0.0162	J	0.0400	0.00417	mg/L		12/31/13 08:33	01/03/14 13:20	1
Zinc	0.0643		0.0300	0.00217	mg/L		12/31/13 08:33	01/03/14 13:20	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2150	B	20.0	0.400	mg/L		12/31/13 08:33	01/03/14 15:16	20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		12/23/13 04:58	12/23/13 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		40.0	2.70	mg/L			12/23/13 19:39	100

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Date Collected: 12/18/13 08:00

Matrix: Water

Date Received: 12/20/13 11:18

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	5270		100	16.6	mg/L			12/24/13 12:50	200
Cyanide, Reactive	39.7	U	250	39.7	ug/L		12/31/13 07:40	12/31/13 15:10	1
Sulfide, Reactive	1.40	U	50.0	1.40	mg/L		12/31/13 07:40	12/31/13 14:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			12/31/13 12:00	1
pH	7.05	H	0.0100	0.0100	SU			12/23/13 15:00	1
Alkalinity	628		10.0	10.0	mg/L			12/31/13 08:13	1
Bicarbonate Alkalinity as CaCO3	628		10.0	10.0	mg/L			12/31/13 08:13	1
Carbonate Alkalinity as CaCO3	10.0	U	10.0	10.0	mg/L			12/31/13 08:13	1
Hydroxide Alkalinity	10.0	U	10.0	10.0	mg/L			12/31/13 08:13	1
Phenolphthalein Alkalinity	10.0	U	10.0	10.0	mg/L			12/31/13 08:13	1
Total Dissolved Solids	7860		40.0	40.0	mg/L			12/23/13 15:01	1

Client Sample ID: BlancoSouth-MW08-12182013

Lab Sample ID: 600-84456-5

Date Collected: 12/18/13 10:40

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.28	J	5.00	0.990	ug/L			12/24/13 18:50	1
Benzene	0.0867	J	1.00	0.0800	ug/L			12/24/13 18:50	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/24/13 18:50	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/24/13 18:50	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/24/13 18:50	1
2-Butanone (MEK)	3.21		2.00	0.760	ug/L			12/24/13 18:50	1
Carbon disulfide	0.240	U UJ-CC	2.00	0.240	ug/L			12/24/13 18:50	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/24/13 18:50	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/24/13 18:50	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/24/13 18:50	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/24/13 18:50	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/24/13 18:50	1
Chloromethane	0.180	U UJ-CC	2.00	0.180	ug/L			12/24/13 18:50	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			12/24/13 18:50	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/24/13 18:50	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/24/13 18:50	1
trans-1,2-Dichloroethene	0.0900	U UJ-CC	1.00	0.0900	ug/L			12/24/13 18:50	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/24/13 18:50	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/24/13 18:50	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/24/13 18:50	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/24/13 18:50	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/24/13 18:50	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/24/13 18:50	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/24/13 18:50	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/24/13 18:50	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/24/13 18:50	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			12/24/13 18:50	1
Toluene	0.289	J	1.00	0.150	ug/L			12/24/13 18:50	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/24/13 18:50	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/24/13 18:50	1

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW08-12182013

Lab Sample ID: 600-84456-5

Date Collected: 12/18/13 10:40

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.180	U	1.00	0.180	ug/L			12/24/13 18:50	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/24/13 18:50	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/24/13 18:50	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/24/13 18:50	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/24/13 18:50	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/24/13 18:50	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			12/24/13 18:50	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/24/13 18:50	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			12/24/13 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130					12/24/13 18:50	1
Dibromofluoromethane	112		62 - 130					12/24/13 18:50	1
4-Bromofluorobenzene	112		67 - 139					12/24/13 18:50	1
1,2-Dichloroethane-d4 (Surr)	121		50 - 134					12/24/13 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.122		0.0500	0.0170	mg/L			01/03/14 11:44	1

Client Sample ID: BlancoSouth-MW06-12182013

Lab Sample ID: 600-84456-6

Date Collected: 12/18/13 11:20

Matrix: Water

Date Received: 12/20/13 11:18

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	143		12.5	4.25	mg/L			01/03/14 12:30	250

Client Sample ID: BlancoSouth-MW30-12182013

Lab Sample ID: 600-84456-7

Date Collected: 12/18/13 12:10

Matrix: Water

Date Received: 12/20/13 11:18

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	101		2.50	0.850	mg/L			01/03/14 11:45	50

Client Sample ID: BlancoSouth-MW05-12182013

Lab Sample ID: 600-84456-8

Date Collected: 12/18/13 13:15

Matrix: Water

Date Received: 12/20/13 11:18

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	170		5.00	1.70	mg/L			01/03/14 11:54	100

Client Sample ID: BlancoSouth-MW29-12182013

Lab Sample ID: 600-84456-9

Date Collected: 12/18/13 13:50

Matrix: Water

Date Received: 12/20/13 11:18

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	180		5.00	1.70	mg/L			01/03/14 11:55	100

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW28-12182013

Lab Sample ID: 600-84456-10

Date Collected: 12/18/13 14:15

Matrix: Water

Date Received: 12/20/13 11:18

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	47.2		5.00	1.70	mg/L			01/03/14 11:55	100

Client Sample ID: BlancoSouth-MW12-12182013

Lab Sample ID: 600-84456-11

Date Collected: 12/18/13 15:20

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.50	J	5.00	0.990	ug/L			12/24/13 13:44	1
Benzene	0.0800	U	1.00	0.0800	ug/L			12/24/13 13:44	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/24/13 13:44	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/24/13 13:44	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/24/13 13:44	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/24/13 13:44	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/24/13 13:44	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/24/13 13:44	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/24/13 13:44	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/24/13 13:44	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/24/13 13:44	1
Chloroform	0.225	J	1.00	0.130	ug/L			12/24/13 13:44	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/24/13 13:44	1
1,1-Dichloroethane	2.53		1.00	0.110	ug/L			12/24/13 13:44	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/24/13 13:44	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/24/13 13:44	1
trans-1,2-Dichloroethene	0.384	J	1.00	0.0900	ug/L			12/24/13 13:44	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/24/13 13:44	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/24/13 13:44	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/24/13 13:44	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/24/13 13:44	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/24/13 13:44	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/24/13 13:44	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/24/13 13:44	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/24/13 13:44	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/24/13 13:44	1
Tetrachloroethene	1.50		1.00	0.130	ug/L			12/24/13 13:44	1
Toluene	0.150	U	1.00	0.150	ug/L			12/24/13 13:44	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/24/13 13:44	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/24/13 13:44	1
Trichloroethene	1.93		1.00	0.180	ug/L			12/24/13 13:44	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/24/13 13:44	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/24/13 13:44	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/24/13 13:44	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/24/13 13:44	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/24/13 13:44	1
cis-1,2-Dichloroethene	3.77		1.00	0.0600	ug/L			12/24/13 13:44	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/24/13 13:44	1
1,2-Dichloroethene, Total	4.15		1.00	0.300	ug/L			12/24/13 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130		12/24/13 13:44	1

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW12-12182013

Lab Sample ID: 600-84456-11

Date Collected: 12/18/13 15:20

Matrix: Water

Date Received: 12/20/13 11:18

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	110		62 - 130		12/24/13 13:44	1
4-Bromofluorobenzene	102		67 - 139		12/24/13 13:44	1
1,2-Dichloroethane-d4 (Surr)	123		50 - 134		12/24/13 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	13.2	J-MS	12.5	4.25	mg/L			01/03/14 12:32	250

Client Sample ID: BlancoSouth-EquBlank02-12182013

Lab Sample ID: 600-84456-12

Date Collected: 12/18/13 15:15

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/24/13 14:10	1
Benzene	0.0800	U	1.00	0.0800	ug/L			12/24/13 14:10	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/24/13 14:10	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/24/13 14:10	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/24/13 14:10	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/24/13 14:10	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/24/13 14:10	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/24/13 14:10	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/24/13 14:10	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/24/13 14:10	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/24/13 14:10	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/24/13 14:10	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/24/13 14:10	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			12/24/13 14:10	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/24/13 14:10	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/24/13 14:10	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			12/24/13 14:10	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/24/13 14:10	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/24/13 14:10	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/24/13 14:10	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/24/13 14:10	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/24/13 14:10	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/24/13 14:10	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/24/13 14:10	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/24/13 14:10	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/24/13 14:10	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			12/24/13 14:10	1
Toluene	0.150	U	1.00	0.150	ug/L			12/24/13 14:10	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/24/13 14:10	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/24/13 14:10	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			12/24/13 14:10	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/24/13 14:10	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/24/13 14:10	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/24/13 14:10	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/24/13 14:10	1

TestAmerica Houston

Client Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-EquBlank02-12182013

Lab Sample ID: 600-84456-12

Date Collected: 12/18/13 15:15

Matrix: Water

Date Received: 12/20/13 11:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/24/13 14:10	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			12/24/13 14:10	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/24/13 14:10	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			12/24/13 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130					12/24/13 14:10	1
Dibromofluoromethane	116		62 - 130					12/24/13 14:10	1
4-Bromofluorobenzene	107		67 - 139					12/24/13 14:10	1
1,2-Dichloroethane-d4 (Surr)	131		50 - 134					12/24/13 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0767		0.0500	0.0170	mg/L			01/03/14 11:59	1

Definitions/Glossary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
F	MS/MSD Recovery and/or RPD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

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
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)

Definitions/Glossary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DBFM (62-130)	BFB (67-139)	12DCE (50-134)
600-84456-1	BlancoSouth-MW13-12182013	110	115	119	120
600-84456-2	BlancoSouth-EquBlank03-12182013	105	102	112	106
600-84456-3	BlancoSouth-MW15-12182013	98	103	108	110
600-84456-4	BlancoSouth-IDW-12182013	99	100	104	104
600-84456-5	BlancoSouth-MW08-12182013	105	112	112	121
600-84456-11	BlancoSouth-MW12-12182013	93	110	102	123
600-84456-11 MS	BlancoSouth-MW12-12182013	92	117	104	122
600-84456-11 MSD	BlancoSouth-MW12-12182013	91	114	104	121
600-84456-12	BlancoSouth-EquBlank02-12182013	99	116	107	131
LCS 600-123637/3	Lab Control Sample	97	112	110	117
LCS 600-123757/4	Lab Control Sample	113	113	123	107
MB 600-123637/4	Method Blank	97	109	105	123
MB 600-123757/3	Method Blank	108	103	114	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPH (33-141)	NBZ (47-120)	2FP (18-120)	FBP (43-120)	TBP (44-123)	PHL (12-128)
600-84456-4	BlancoSouth-IDW-12182013	91	60	44	76	94	32
LCS 600-123505/2-A	Lab Control Sample	78	65	57	71	71	40
LCSD 600-123505/3-A	Lab Control Sample Dup	109	85	73	91	99	51
MB 600-123505/1-A	Method Blank	93	66	49	77	57	30

Surrogate Legend

TPH = Terphenyl-d14
NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
PHL = Phenol-d5 (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (36-144)	TCX1 (32-143)
600-84456-4	BlancoSouth-IDW-12182013	49	76
LCS 600-123496/2-A	Lab Control Sample	85	81
LCSD 600-123496/3-A	Lab Control Sample Dup	78	81
MB 600-123496/1-A	Method Blank	92	78

TestAmerica Houston

Surrogate Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPA1 (10-125.2)
600-84456-4	BlancoSouth-IDW-12182013	89
LCS 600-123572/2-A	Lab Control Sample	95
MB 600-123572/1-A	Method Blank	98

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Lab Sample ID: MB 600-123637/4

Matrix: Water

Analysis Batch: 123637

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/24/13 13:18	1
Benzene	0.0800	U	1.00	0.0800	ug/L			12/24/13 13:18	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/24/13 13:18	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/24/13 13:18	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/24/13 13:18	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/24/13 13:18	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/24/13 13:18	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/24/13 13:18	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/24/13 13:18	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/24/13 13:18	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/24/13 13:18	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/24/13 13:18	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/24/13 13:18	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			12/24/13 13:18	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/24/13 13:18	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/24/13 13:18	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			12/24/13 13:18	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/24/13 13:18	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/24/13 13:18	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/24/13 13:18	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/24/13 13:18	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/24/13 13:18	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/24/13 13:18	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/24/13 13:18	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/24/13 13:18	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/24/13 13:18	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			12/24/13 13:18	1
Toluene	0.150	U	1.00	0.150	ug/L			12/24/13 13:18	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/24/13 13:18	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/24/13 13:18	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			12/24/13 13:18	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/24/13 13:18	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/24/13 13:18	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/24/13 13:18	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/24/13 13:18	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/24/13 13:18	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			12/24/13 13:18	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/24/13 13:18	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			12/24/13 13:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130		12/24/13 13:18	1
Dibromofluoromethane	109		62 - 130		12/24/13 13:18	1
4-Bromofluorobenzene	105		67 - 139		12/24/13 13:18	1
1,2-Dichloroethane-d4 (Surr)	123		50 - 134		12/24/13 13:18	1

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Lab Sample ID: LCS 600-123637/3

Matrix: Water

Analysis Batch: 123637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	23.83		ug/L		119	28 - 152
Benzene	10.0	9.962		ug/L		100	69 - 131
Chlorobromomethane	10.0	10.37		ug/L		104	60 - 141
Bromoform	10.0	11.41		ug/L		114	39 - 149
Bromomethane	10.0	7.508		ug/L		75	52 - 146
2-Butanone (MEK)	20.0	22.54		ug/L		113	59 - 133
Carbon disulfide	10.0	10.02		ug/L		100	32 - 177
Carbon tetrachloride	10.0	9.981		ug/L		100	59 - 147
Dibromochloromethane	10.0	10.65		ug/L		106	58 - 132
Chlorobenzene	10.0	9.377		ug/L		94	60 - 136
Chloroethane	10.0	9.030		ug/L		90	56 - 144
Chloroform	10.0	10.36		ug/L		104	69 - 128
Chloromethane	10.0	4.759		ug/L		48	32 - 151
1,1-Dichloroethane	10.0	9.982		ug/L		100	66 - 126
1,2-Dichloroethane	10.0	10.84		ug/L		108	66 - 140
1,1-Dichloroethene	10.0	9.271		ug/L		93	59 - 145
trans-1,2-Dichloroethene	10.0	9.027		ug/L		90	70 - 132
1,2-Dichloropropane	10.0	10.47		ug/L		105	72 - 125
cis-1,3-Dichloropropene	10.0	9.983		ug/L		100	60 - 135
trans-1,3-Dichloropropene	10.0	10.03		ug/L		100	63 - 133
Ethylbenzene	10.0	8.975		ug/L		90	68 - 128
2-Hexanone	20.0	21.69		ug/L		108	51 - 130
Methylene Chloride	10.0	11.06		ug/L		111	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	21.87		ug/L		109	56 - 142
Styrene	10.0	9.298		ug/L		93	68 - 133
1,1,2,2-Tetrachloroethane	10.0	11.68		ug/L		117	68 - 134
Tetrachloroethene	10.0	9.005		ug/L		90	61 - 142
Toluene	10.0	9.259		ug/L		93	67 - 130
1,1,1-Trichloroethane	10.0	9.877		ug/L		99	65 - 142
1,1,2-Trichloroethane	10.0	10.57		ug/L		106	68 - 130
Trichloroethene	10.0	9.362		ug/L		94	68 - 130
Vinyl acetate	20.0	18.52		ug/L		93	58 - 175
Vinyl chloride	10.0	6.599		ug/L		66	47 - 146
o-Xylene	10.0	9.380		ug/L		94	68 - 134
m-Xylene & p-Xylene	10.0	8.764		ug/L		88	67 - 132
Xylenes, Total	20.0	18.14		ug/L		91	68 - 132
cis-1,2-Dichloroethene	10.0	10.10		ug/L		101	69 - 129
Bromodichloromethane	10.0	11.12		ug/L		111	73 - 130
1,2-Dichloroethene, Total	20.0	19.13		ug/L		96	65 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		70 - 130
Dibromofluoromethane	112		62 - 130
4-Bromofluorobenzene	110		67 - 139
1,2-Dichloroethane-d4 (Surr)	117		50 - 134

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Lab Sample ID: 600-84456-11 MS

Matrix: Water

Analysis Batch: 123637

Client Sample ID: BlancoSouth-MW12-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1.50	J	20.0	26.21		ug/L		124	60 - 140
Benzene	0.0800	U	10.0	10.38		ug/L		104	65 - 125
Chlorobromomethane	0.180	U	10.0	11.09		ug/L		111	60 - 140
Bromoform	0.190	U	10.0	11.40		ug/L		114	60 - 140
Bromomethane	0.250	U	10.0	5.995		ug/L		60	60 - 140
2-Butanone (MEK)	0.760	U	20.0	25.58		ug/L		128	60 - 140
Carbon disulfide	0.240	U	10.0	10.49		ug/L		105	60 - 140
Carbon tetrachloride	0.150	U	10.0	10.76		ug/L		108	60 - 140
Dibromochloromethane	0.150	U	10.0	10.80		ug/L		108	60 - 140
Chlorobenzene	0.120	U	10.0	9.615		ug/L		96	72 - 122
Chloroethane	0.0800	U	10.0	8.368		ug/L		84	60 - 140
Chloroform	0.225	J	10.0	11.55		ug/L		113	60 - 140
Chloromethane	0.180	U	10.0	4.244	F	ug/L		42	60 - 140
1,1-Dichloroethane	2.53		10.0	13.40		ug/L		109	60 - 140
1,2-Dichloroethane	0.140	U	10.0	11.68		ug/L		117	60 - 140
1,1-Dichloroethene	0.190	U	10.0	9.799		ug/L		98	22 - 143
trans-1,2-Dichloroethene	0.384	J	10.0	9.950		ug/L		96	60 - 140
1,2-Dichloropropane	0.160	U	10.0	10.84		ug/L		108	60 - 140
cis-1,3-Dichloropropene	0.180	U	10.0	9.861		ug/L		99	60 - 140
trans-1,3-Dichloropropene	0.210	U	10.0	9.790		ug/L		98	60 - 140
Ethylbenzene	0.110	U	10.0	9.158		ug/L		92	60 - 140
2-Hexanone	0.350	U	20.0	22.19		ug/L		111	60 - 140
Methylene Chloride	0.150	U	10.0	11.73		ug/L		117	60 - 140
4-Methyl-2-pentanone (MIBK)	0.450	U	20.0	23.66		ug/L		118	60 - 140
Styrene	0.0700	U	10.0	9.354		ug/L		94	60 - 140
1,1,2,2-Tetrachloroethane	0.220	U	10.0	11.60		ug/L		116	60 - 140
Tetrachloroethene	1.50		10.0	10.72		ug/L		92	60 - 140
Toluene	0.150	U	10.0	9.606		ug/L		96	76 - 125
1,1,1-Trichloroethane	0.150	U	10.0	10.44		ug/L		104	60 - 140
1,1,2-Trichloroethane	0.280	U	10.0	10.84		ug/L		108	60 - 140
Trichloroethene	1.93		10.0	11.97		ug/L		100	56 - 118
Vinyl acetate	0.210	U	20.0	19.20		ug/L		96	60 - 140
Vinyl chloride	0.110	U	10.0	6.362		ug/L		64	60 - 140
o-Xylene	0.120	U	10.0	9.639		ug/L		96	60 - 140
m-Xylene & p-Xylene	0.170	U	10.0	9.013		ug/L		90	60 - 140
Xylenes, Total	0.260	U	20.0	18.65		ug/L		93	60 - 140
cis-1,2-Dichloroethene	3.77		10.0	15.38		ug/L		116	60 - 140
Bromodichloromethane	0.160	U	10.0	12.08		ug/L		121	60 - 140
1,2-Dichloroethene, Total	4.15		20.0	25.33		ug/L		106	60 - 140
Surrogate	MS %Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	92		70 - 130						
Dibromofluoromethane	117		62 - 130						
4-Bromofluorobenzene	104		67 - 139						
1,2-Dichloroethane-d4 (Surr)	122		50 - 134						

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Lab Sample ID: 600-84456-11 MSD

Matrix: Water

Analysis Batch: 123637

Client Sample ID: BlancoSouth-MW12-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	1.50	J	20.0	25.85		ug/L		122	60 - 140	1	30
Benzene	0.0800	U	10.0	9.458		ug/L		95	65 - 125	9	30
Chlorobromomethane	0.180	U	10.0	10.30		ug/L		103	60 - 140	7	30
Bromoform	0.190	U	10.0	10.79		ug/L		108	60 - 140	5	30
Bromomethane	0.250	U	10.0	5.622	F	ug/L		56	60 - 140	6	30
2-Butanone (MEK)	0.760	U	20.0	24.29		ug/L		121	60 - 140	5	30
Carbon disulfide	0.240	U	10.0	9.531		ug/L		95	60 - 140	10	30
Carbon tetrachloride	0.150	U	10.0	9.552		ug/L		96	60 - 140	12	30
Dibromochloromethane	0.150	U	10.0	10.19		ug/L		102	60 - 140	6	30
Chlorobenzene	0.120	U	10.0	8.873		ug/L		89	72 - 122	8	30
Chloroethane	0.0800	U	10.0	8.222		ug/L		82	60 - 140	2	30
Chloroform	0.225	J	10.0	10.47		ug/L		102	60 - 140	10	30
Chloromethane	0.180	U	10.0	4.329	F	ug/L		43	60 - 140	2	30
1,1-Dichloroethane	2.53		10.0	12.47		ug/L		99	60 - 140	7	30
1,2-Dichloroethane	0.140	U	10.0	11.09		ug/L		111	60 - 140	5	30
1,1-Dichloroethene	0.190	U	10.0	8.929		ug/L		89	22 - 143	9	30
trans-1,2-Dichloroethene	0.384	J	10.0	9.253		ug/L		89	60 - 140	7	30
1,2-Dichloropropane	0.160	U	10.0	10.10		ug/L		101	60 - 140	7	30
cis-1,3-Dichloropropene	0.180	U	10.0	9.383		ug/L		94	60 - 140	5	30
trans-1,3-Dichloropropene	0.210	U	10.0	9.520		ug/L		95	60 - 140	3	30
Ethylbenzene	0.110	U	10.0	8.321		ug/L		83	60 - 140	10	30
2-Hexanone	0.350	U	20.0	23.16		ug/L		116	60 - 140	4	30
Methylene Chloride	0.150	U	10.0	11.08		ug/L		111	60 - 140	6	30
4-Methyl-2-pentanone (MIBK)	0.450	U	20.0	23.38		ug/L		117	60 - 140	1	30
Styrene	0.0700	U	10.0	8.704		ug/L		87	60 - 140	7	30
1,1,2,2-Tetrachloroethane	0.220	U	10.0	11.44		ug/L		114	60 - 140	1	30
Tetrachloroethene	1.50		10.0	9.773		ug/L		83	60 - 140	9	30
Toluene	0.150	U	10.0	8.684		ug/L		87	76 - 125	10	30
1,1,1-Trichloroethane	0.150	U	10.0	9.522		ug/L		95	60 - 140	9	30
1,1,2-Trichloroethane	0.280	U	10.0	10.27		ug/L		103	60 - 140	5	30
Trichloroethene	1.93		10.0	10.93		ug/L		90	56 - 118	9	30
Vinyl acetate	0.210	U	20.0	18.84		ug/L		94	60 - 140	2	30
Vinyl chloride	0.110	U	10.0	6.487		ug/L		65	60 - 140	2	30
o-Xylene	0.120	U	10.0	8.835		ug/L		88	60 - 140	9	30
m-Xylene & p-Xylene	0.170	U	10.0	8.154		ug/L		82	60 - 140	10	30
Xylenes, Total	0.260	U	20.0	16.99		ug/L		85	60 - 140	9	30
cis-1,2-Dichloroethene	3.77		10.0	14.48		ug/L		107	60 - 140	6	30
Bromodichloromethane	0.160	U	10.0	11.05		ug/L		110	60 - 140	9	30
1,2-Dichloroethene, Total	4.15		20.0	23.73		ug/L		98	60 - 140	7	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	91		70 - 130
Dibromofluoromethane	114		62 - 130
4-Bromofluorobenzene	104		67 - 139
1,2-Dichloroethane-d4 (Surr)	121		50 - 134

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Lab Sample ID: MB 600-123757/3

Matrix: Water

Analysis Batch: 123757

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			12/26/13 12:24	1
Benzene	0.0800	U	1.00	0.0800	ug/L			12/26/13 12:24	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			12/26/13 12:24	1
Bromoform	0.190	U	1.00	0.190	ug/L			12/26/13 12:24	1
Bromomethane	0.250	U	2.00	0.250	ug/L			12/26/13 12:24	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			12/26/13 12:24	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			12/26/13 12:24	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			12/26/13 12:24	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			12/26/13 12:24	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			12/26/13 12:24	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			12/26/13 12:24	1
Chloroform	0.130	U	1.00	0.130	ug/L			12/26/13 12:24	1
Chloromethane	0.180	U	2.00	0.180	ug/L			12/26/13 12:24	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			12/26/13 12:24	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			12/26/13 12:24	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			12/26/13 12:24	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			12/26/13 12:24	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			12/26/13 12:24	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			12/26/13 12:24	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			12/26/13 12:24	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			12/26/13 12:24	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			12/26/13 12:24	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			12/26/13 12:24	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			12/26/13 12:24	1
Styrene	0.0700	U	1.00	0.0700	ug/L			12/26/13 12:24	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			12/26/13 12:24	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			12/26/13 12:24	1
Toluene	0.150	U	1.00	0.150	ug/L			12/26/13 12:24	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			12/26/13 12:24	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			12/26/13 12:24	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			12/26/13 12:24	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			12/26/13 12:24	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			12/26/13 12:24	1
o-Xylene	0.120	U	1.00	0.120	ug/L			12/26/13 12:24	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			12/26/13 12:24	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			12/26/13 12:24	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			12/26/13 12:24	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			12/26/13 12:24	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			12/26/13 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130		12/26/13 12:24	1
Dibromofluoromethane	103		62 - 130		12/26/13 12:24	1
4-Bromofluorobenzene	114		67 - 139		12/26/13 12:24	1
1,2-Dichloroethane-d4 (Surr)	105		50 - 134		12/26/13 12:24	1

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Lab Sample ID: LCS 600-123757/4

Matrix: Water

Analysis Batch: 123757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.84		ug/L		74	28 - 152
Benzene	10.0	9.785		ug/L		98	69 - 131
Chlorobromomethane	10.0	8.811		ug/L		88	60 - 141
Bromoform	10.0	9.204		ug/L		92	39 - 149
Bromomethane	10.0	9.261		ug/L		93	52 - 146
2-Butanone (MEK)	20.0	16.94		ug/L		85	59 - 133
Carbon disulfide	10.0	10.20		ug/L		102	32 - 177
Carbon tetrachloride	10.0	10.40		ug/L		104	59 - 147
Dibromochloromethane	10.0	8.745		ug/L		87	58 - 132
Chlorobenzene	10.0	9.337		ug/L		93	60 - 136
Chloroethane	10.0	11.38		ug/L		114	56 - 144
Chloroform	10.0	9.577		ug/L		96	69 - 128
Chloromethane	10.0	10.05		ug/L		100	32 - 151
1,1-Dichloroethane	10.0	9.890		ug/L		99	66 - 126
1,2-Dichloroethane	10.0	8.853		ug/L		89	66 - 140
1,1-Dichloroethene	10.0	9.511		ug/L		95	59 - 145
trans-1,2-Dichloroethene	10.0	9.548		ug/L		95	70 - 132
1,2-Dichloropropane	10.0	9.152		ug/L		92	72 - 125
cis-1,3-Dichloropropene	10.0	8.828		ug/L		88	60 - 135
trans-1,3-Dichloropropene	10.0	8.456		ug/L		85	63 - 133
Ethylbenzene	10.0	9.803		ug/L		98	68 - 128
2-Hexanone	20.0	13.54		ug/L		68	51 - 130
Methylene Chloride	10.0	11.81		ug/L		118	62 - 134
4-Methyl-2-pentanone (MIBK)	20.0	14.08		ug/L		70	56 - 142
Styrene	10.0	8.910		ug/L		89	68 - 133
1,1,2,2-Tetrachloroethane	10.0	7.912		ug/L		79	68 - 134
Tetrachloroethene	10.0	10.07		ug/L		101	61 - 142
Toluene	10.0	9.860		ug/L		99	67 - 130
1,1,1-Trichloroethane	10.0	9.970		ug/L		100	65 - 142
1,1,2-Trichloroethane	10.0	8.456		ug/L		85	68 - 130
Trichloroethene	10.0	9.568		ug/L		96	68 - 130
Vinyl acetate	20.0	12.97		ug/L		65	58 - 175
Vinyl chloride	10.0	10.88		ug/L		109	47 - 146
o-Xylene	10.0	9.484		ug/L		95	68 - 134
m-Xylene & p-Xylene	10.0	9.517		ug/L		95	67 - 132
Xylenes, Total	20.0	19.00		ug/L		95	68 - 132
cis-1,2-Dichloroethene	10.0	9.576		ug/L		96	69 - 129
Bromodichloromethane	10.0	9.232		ug/L		92	73 - 130
1,2-Dichloroethene, Total	20.0	19.12		ug/L		96	65 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	113		70 - 130
Dibromofluoromethane	113		62 - 130
4-Bromofluorobenzene	123		67 - 139
1,2-Dichloroethane-d4 (Surr)	107		50 - 134

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 600-123505/1-A

Matrix: Water

Analysis Batch: 124073

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
Acenaphthylene	0.160	U	1.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
Anthracene	0.440	U	1.50	0.440	ug/L		12/23/13 10:49	12/31/13 14:28	1
Benzidine	17.9	U	50.0	17.9	ug/L		12/23/13 10:49	12/31/13 14:28	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		12/23/13 10:49	12/31/13 14:28	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		12/23/13 10:49	12/31/13 14:28	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
Benzo[g,h,i]perylene	0.350	U	2.50	0.350	ug/L		12/23/13 10:49	12/31/13 14:28	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		12/23/13 10:49	12/31/13 14:28	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		12/23/13 10:49	12/31/13 14:28	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		12/23/13 10:49	12/31/13 14:28	1
Bis(2-ethylhexyl) phthalate	0.6592	J	2.50	0.590	ug/L		12/23/13 10:49	12/31/13 14:28	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		12/23/13 10:49	12/31/13 14:28	1
Butyl benzyl phthalate	1.136	J	2.50	0.850	ug/L		12/23/13 10:49	12/31/13 14:28	1
4-Chloroaniline	0.110	U	1.00	0.110	ug/L		12/23/13 10:49	12/31/13 14:28	1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L		12/23/13 10:49	12/31/13 14:28	1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L		12/23/13 10:49	12/31/13 14:28	1
Carbazole	0.350	U	5.00	0.350	ug/L		12/23/13 10:49	12/31/13 14:28	1
Chrysene	0.240	U	1.50	0.240	ug/L		12/23/13 10:49	12/31/13 14:28	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		12/23/13 10:49	12/31/13 14:28	1
Dibenz(a,h)anthracene	0.290	U	2.50	0.290	ug/L		12/23/13 10:49	12/31/13 14:28	1
Dibenzofuran	0.160	U	1.50	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
1,2-Dichlorobenzene	0.210	U	1.75	0.210	ug/L		12/23/13 10:49	12/31/13 14:28	1
1,3-Dichlorobenzene	0.100	U	1.50	0.100	ug/L		12/23/13 10:49	12/31/13 14:28	1
1,4-Dichlorobenzene	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
3,3'-Dichlorobenzidine	0.320	U	5.00	0.320	ug/L		12/23/13 10:49	12/31/13 14:28	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		12/23/13 10:49	12/31/13 14:28	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		12/23/13 10:49	12/31/13 14:28	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		12/23/13 10:49	12/31/13 14:28	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
Fluoranthene	0.310	U	2.50	0.310	ug/L		12/23/13 10:49	12/31/13 14:28	1
Fluorene	0.120	U	1.50	0.120	ug/L		12/23/13 10:49	12/31/13 14:28	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		12/23/13 10:49	12/31/13 14:28	1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L		12/23/13 10:49	12/31/13 14:28	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L		12/23/13 10:49	12/31/13 14:28	1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L		12/23/13 10:49	12/31/13 14:28	1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L		12/23/13 10:49	12/31/13 14:28	1
Isophorone	0.150	U	1.50	0.150	ug/L		12/23/13 10:49	12/31/13 14:28	1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L		12/23/13 10:49	12/31/13 14:28	1
Naphthalene	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		12/23/13 10:49	12/31/13 14:28	1
3-Nitroaniline	0.130	U	2.50	0.130	ug/L		12/23/13 10:49	12/31/13 14:28	1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L		12/23/13 10:49	12/31/13 14:28	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		12/23/13 10:49	12/31/13 14:28	1
N-Nitrosodimethylamine	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L		12/23/13 10:49	12/31/13 14:28	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		12/23/13 10:49	12/31/13 14:28	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		12/23/13 10:49	12/31/13 14:28	1

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-123505/1-A

Matrix: Water

Analysis Batch: 124073

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.330	U	2.00	0.330	ug/L		12/23/13 10:49	12/31/13 14:28	1
1,2,4-Trichlorobenzene	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
Benzyl alcohol	0.510	U	2.00	0.510	ug/L		12/23/13 10:49	12/31/13 14:28	1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L		12/23/13 10:49	12/31/13 14:28	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		12/23/13 10:49	12/31/13 14:28	1
2-Methylphenol	0.190	U	1.50	0.190	ug/L		12/23/13 10:49	12/31/13 14:28	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L		12/23/13 10:49	12/31/13 14:28	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L		12/23/13 10:49	12/31/13 14:28	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		12/23/13 10:49	12/31/13 14:28	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		12/23/13 10:49	12/31/13 14:28	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		12/23/13 10:49	12/31/13 14:28	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		12/23/13 10:49	12/31/13 14:28	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L		12/23/13 10:49	12/31/13 14:28	1
Phenol	0.140	U	1.50	0.140	ug/L		12/23/13 10:49	12/31/13 14:28	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L		12/23/13 10:49	12/31/13 14:28	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L		12/23/13 10:49	12/31/13 14:28	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		12/23/13 10:49	12/31/13 14:28	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		12/23/13 10:49	12/31/13 14:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	93		33 - 141	12/23/13 10:49	12/31/13 14:28	1
Nitrobenzene-d5	66		47 - 120	12/23/13 10:49	12/31/13 14:28	1
2-Fluorophenol	49		18 - 120	12/23/13 10:49	12/31/13 14:28	1
2-Fluorobiphenyl	77		43 - 120	12/23/13 10:49	12/31/13 14:28	1
2,4,6-Tribromophenol	57		44 - 123	12/23/13 10:49	12/31/13 14:28	1
Phenol-d5 (Surr)	30		12 - 128	12/23/13 10:49	12/31/13 14:28	1

Lab Sample ID: LCS 600-123505/2-A

Matrix: Water

Analysis Batch: 123836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	8.00	5.562		ug/L		70	47 - 145
Acenaphthylene	8.00	6.057		ug/L		76	35 - 135
Anthracene	8.00	6.083		ug/L		76	53 - 124
Benzidine	40.0	17.9	U	ug/L		13	10 - 120
Benzo[a]anthracene	8.00	6.521		ug/L		82	53 - 122
Benzo[b]fluoranthene	8.00	6.168		ug/L		77	53 - 131
Benzo[k]fluoranthene	8.00	6.171		ug/L		77	46 - 130
Benzo[g,h,i]perylene	8.00	6.722		ug/L		84	46 - 133
Benzo[a]pyrene	8.00	6.250		ug/L		78	50 - 124
Bis(2-chloroethoxy)methane	8.00	5.695		ug/L		71	42 - 119
Bis(2-chloroethyl)ether	8.00	6.042		ug/L		76	40 - 112
Bis(2-ethylhexyl) phthalate	8.00	6.963		ug/L		87	47 - 132
4-Bromophenyl phenyl ether	8.00	5.991		ug/L		75	46 - 129
Butyl benzyl phthalate	8.00	6.915		ug/L		86	50 - 126
4-Chloroaniline	8.00	4.013		ug/L		50	19 - 129

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-123505/2-A

Matrix: Water

Analysis Batch: 123836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	8.00	5.348		ug/L		67	43 - 120
4-Chlorophenyl phenyl ether	8.00	5.732		ug/L		72	48 - 125
Carbazole	8.00	9.046		ug/L		113	42 - 169
Chrysene	8.00	6.062		ug/L		76	49 - 124
Di-n-butyl phthalate	8.00	6.518		ug/L		81	54 - 138
Dibenz(a,h)anthracene	8.00	6.585		ug/L		82	42 - 134
Dibenzofuran	8.00	5.500		ug/L		69	46 - 123
1,2-Dichlorobenzene	8.00	4.671		ug/L		58	40 - 121
1,3-Dichlorobenzene	8.00	4.306		ug/L		54	39 - 122
1,4-Dichlorobenzene	8.00	4.348		ug/L		54	45 - 124
3,3'-Dichlorobenzidine	8.00	6.418		ug/L		80	38 - 168
Diethyl phthalate	8.00	6.419		ug/L		80	51 - 123
Dimethyl phthalate	8.00	5.961		ug/L		75	49 - 121
2,4-Dinitrotoluene	8.00	6.120		ug/L		77	43 - 128
Di-n-octyl phthalate	8.00	7.097		ug/L		89	27 - 157
Fluoranthene	8.00	6.128		ug/L		77	53 - 127
Fluorene	8.00	5.923		ug/L		74	48 - 127
Hexachlorobenzene	8.00	6.151		ug/L		77	46 - 129
Hexachlorocyclopentadiene	8.00	2.047		ug/L		26	21 - 126
Hexachloroethane	8.00	3.541		ug/L		44	43 - 118
Hexachlorobutadiene	8.00	3.582		ug/L		45	32 - 143
Indeno[1,2,3-cd]pyrene	8.00	6.441		ug/L		81	45 - 124
Isophorone	8.00	5.359		ug/L		67	42 - 116
2-Methylnaphthalene	8.00	5.244		ug/L		66	40 - 121
Naphthalene	8.00	5.477		ug/L		68	39 - 120
2-Nitroaniline	8.00	6.167		ug/L		77	42 - 130
3-Nitroaniline	8.00	0.1408	J *	ug/L		2	47 - 138
4-Nitroaniline	8.00	8.316		ug/L		104	32 - 139
Nitrobenzene	8.00	5.721		ug/L		72	42 - 119
N-Nitrosodimethylamine	8.00	3.843		ug/L		48	26 - 104
N-Nitrosodiphenylamine	8.00	9.516	*	ug/L		119	43 - 107
N-Nitrosodi-n-propylamine	8.00	5.864		ug/L		73	39 - 124
Phenanthrene	8.00	6.026		ug/L		75	52 - 121
Pyrene	8.00	6.370		ug/L		80	49 - 121
1,2,4-Trichlorobenzene	8.00	4.732		ug/L		59	38 - 118
Benzyl alcohol	8.00	4.701		ug/L		59	39 - 115
4-Chloro-3-methylphenol	8.00	5.192		ug/L		65	44 - 131
2-Chlorophenol	8.00	6.567		ug/L		82	23 - 134
2-Methylphenol	8.00	5.545		ug/L		69	34 - 109
3 & 4 Methylphenol	8.00	4.902		ug/L		61	27 - 113
2,4-Dichlorophenol	8.00	5.681		ug/L		71	39 - 118
2,4-Dimethylphenol	8.00	5.305		ug/L		66	36 - 109
4,6-Dinitro-2-methylphenol	16.0	9.047		ug/L		57	24 - 122
2,4-Dinitrophenol	16.0	4.766	J	ug/L		30	23 - 130
2-Nitrophenol	8.00	6.479		ug/L		81	40 - 121
4-Nitrophenol	16.0	5.612		ug/L		35	14 - 132
Pentachlorophenol	16.0	5.129		ug/L		32	9 - 147
Phenol	8.00	3.508		ug/L		44	11 - 112

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-123505/2-A

Matrix: Water

Analysis Batch: 123836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	8.00	5.609		ug/L		70	38 - 145
2,4,6-Trichlorophenol	8.00	5.864		ug/L		73	39 - 123
2,6-Dinitrotoluene	8.00	6.123		ug/L		77	45 - 122
bis (2-Chloroisopropyl) ether	8.00	6.048		ug/L		76	41 - 111

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	78		33 - 141
Nitrobenzene-d5	65		47 - 120
2-Fluorophenol	57		18 - 120
2-Fluorobiphenyl	71		43 - 120
2,4,6-Tribromophenol	71		44 - 123
Phenol-d5 (Surr)	40		12 - 128

Lab Sample ID: LCSD 600-123505/3-A

Matrix: Water

Analysis Batch: 123836

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 123505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	8.00	7.455	*	ug/L		93	47 - 145	29	20
Acenaphthylene	8.00	7.496	*	ug/L		94	35 - 135	21	20
Anthracene	8.00	7.208		ug/L		90	53 - 124	17	20
Benzidine	40.0	17.9	U *	ug/L		28	10 - 120	73	40
Benzo[a]anthracene	8.00	7.845		ug/L		98	53 - 122	18	20
Benzo[b]fluoranthene	8.00	8.173	*	ug/L		102	53 - 131	28	20
Benzo[k]fluoranthene	8.00	7.646	*	ug/L		96	46 - 130	21	20
Benzo[g,h,i]perylene	8.00	8.299	*	ug/L		104	46 - 133	21	20
Benzo[a]pyrene	8.00	7.766	*	ug/L		97	50 - 124	22	20
Bis(2-chloroethoxy)methane	8.00	6.962		ug/L		87	42 - 119	20	20
Bis(2-chloroethyl)ether	8.00	6.652		ug/L		83	40 - 112	10	20
Bis(2-ethylhexyl) phthalate	8.00	8.391		ug/L		105	47 - 132	19	20
4-Bromophenyl phenyl ether	8.00	7.410	*	ug/L		93	46 - 129	21	20
Butyl benzyl phthalate	8.00	8.553	*	ug/L		107	50 - 126	21	20
4-Chloroaniline	8.00	5.184	*	ug/L		65	19 - 129	25	20
2-Chloronaphthalene	8.00	7.459	*	ug/L		93	43 - 120	33	20
4-Chlorophenyl phenyl ether	8.00	7.347	*	ug/L		92	48 - 125	25	20
Carbazole	8.00	7.163	*	ug/L		90	42 - 169	23	20
Chrysene	8.00	7.014		ug/L		88	49 - 124	15	20
Di-n-butyl phthalate	8.00	7.668		ug/L		96	54 - 138	16	20
Dibenz(a,h)anthracene	8.00	8.227	*	ug/L		103	42 - 134	22	20
Dibenzofuran	8.00	6.899	*	ug/L		86	46 - 123	23	20
1,2-Dichlorobenzene	8.00	7.029	*	ug/L		88	40 - 121	40	20
1,3-Dichlorobenzene	8.00	6.720	*	ug/L		84	39 - 122	44	20
1,4-Dichlorobenzene	8.00	6.865	*	ug/L		86	45 - 124	45	20
3,3'-Dichlorobenzidine	8.00	8.552	*	ug/L		107	38 - 168	29	20
Diethyl phthalate	8.00	7.629		ug/L		95	51 - 123	17	20
Dimethyl phthalate	8.00	7.082		ug/L		89	49 - 121	17	20
2,4-Dinitrotoluene	8.00	7.377		ug/L		92	43 - 128	19	20
Di-n-octyl phthalate	8.00	8.523		ug/L		107	27 - 157	18	20

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS0600-123505/3-A

Matrix: Water

Analysis Batch: 123836

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 123505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits			
Fluoranthene	8.00	7.291		ug/L		91	53 - 127		17	20
Fluorene	8.00	7.217		ug/L		90	48 - 127		20	20
Hexachlorobenzene	8.00	7.553		ug/L		94	46 - 129		20	20
Hexachlorocyclopentadiene	8.00	4.226	*	ug/L		53	21 - 126		69	20
Hexachloroethane	8.00	6.447	*	ug/L		81	43 - 118		58	20
Hexachlorobutadiene	8.00	6.719	*	ug/L		84	32 - 143		61	20
Indeno[1,2,3-cd]pyrene	8.00	7.848		ug/L		98	45 - 124		20	20
Isophorone	8.00	6.530		ug/L		82	42 - 116		20	20
2-Methylnaphthalene	8.00	7.442	*	ug/L		93	40 - 121		35	20
Naphthalene	8.00	7.075	*	ug/L		88	39 - 120		25	20
2-Nitroaniline	8.00	7.532		ug/L		94	42 - 130		20	20
3-Nitroaniline	8.00	0.2120	J *	ug/L		3	47 - 138		40	20
4-Nitroaniline	8.00	8.939		ug/L		112	32 - 139		7	20
Nitrobenzene	8.00	6.896		ug/L		86	42 - 119		19	20
N-Nitrosodimethylamine	8.00	4.516		ug/L		56	26 - 104		16	20
N-Nitrosodiphenylamine	8.00	13.84	*	ug/L		173	43 - 107		37	20
N-Nitrosodi-n-propylamine	8.00	6.900		ug/L		86	39 - 124		16	20
Phenanthrene	8.00	7.241		ug/L		91	52 - 121		18	20
Pyrene	8.00	7.786		ug/L		97	49 - 121		20	20
1,2,4-Trichlorobenzene	8.00	7.196	*	ug/L		90	38 - 118		41	20
Benzyl alcohol	8.00	6.067	*	ug/L		76	39 - 115		25	20
4-Chloro-3-methylphenol	8.00	6.662	*	ug/L		83	44 - 131		25	20
2-Chlorophenol	8.00	7.711		ug/L		96	23 - 134		16	20
2-Methylphenol	8.00	6.958	*	ug/L		87	34 - 109		23	20
3 & 4 Methylphenol	8.00	6.596	*	ug/L		82	27 - 113		29	20
2,4-Dichlorophenol	8.00	8.079	*	ug/L		101	39 - 118		35	20
2,4-Dimethylphenol	8.00	7.446	*	ug/L		93	36 - 109		34	20
4,6-Dinitro-2-methylphenol	16.0	11.11		ug/L		69	24 - 122		20	20
2,4-Dinitrophenol	16.0	5.270		ug/L		33	23 - 130		10	20
2-Nitrophenol	8.00	8.317	*	ug/L		104	40 - 121		25	20
4-Nitrophenol	16.0	6.730		ug/L		42	14 - 132		18	20
Pentachlorophenol	16.0	6.588	*	ug/L		41	9 - 147		25	20
Phenol	8.00	4.404	*	ug/L		55	11 - 112		23	20
2,4,5-Trichlorophenol	8.00	7.549	*	ug/L		94	38 - 145		29	20
2,4,6-Trichlorophenol	8.00	7.605	*	ug/L		95	39 - 123		26	20
2,6-Dinitrotoluene	8.00	7.486		ug/L		94	45 - 122		20	20
bis (2-Chloroisopropyl) ether	8.00	7.177		ug/L		90	41 - 111		17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	109		33 - 141
Nitrobenzene-d5	85		47 - 120
2-Fluorophenol	73		18 - 120
2-Fluorobiphenyl	91		43 - 120
2,4,6-Tribromophenol	99		44 - 123
Phenol-d5 (Surr)	51		12 - 128

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 600-123496/1-A

Matrix: Water

Analysis Batch: 124170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
4,4'-DDE	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
4,4'-DDT	0.00800	U	0.100	0.00800	ug/L		12/23/13 10:18	01/02/14 15:03	1
Aldrin	0.00600	U	0.0500	0.00600	ug/L		12/23/13 10:18	01/02/14 15:03	1
alpha-BHC	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
alpha-Chlordane	0.0500	U	0.0500	0.0500	ug/L		12/23/13 10:18	01/02/14 15:03	1
beta-BHC	0.00800	U	0.0500	0.00800	ug/L		12/23/13 10:18	01/02/14 15:03	1
Chlordane (technical)	0.0600	U	0.100	0.0600	ug/L		12/23/13 10:18	01/02/14 15:03	1
delta-BHC	0.00500	U	0.0500	0.00500	ug/L		12/23/13 10:18	01/02/14 15:03	1
Dieldrin	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
Endosulfan I	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
Endosulfan II	0.100	U	0.100	0.100	ug/L		12/23/13 10:18	01/02/14 15:03	1
Endosulfan sulfate	0.0250	U	0.100	0.0250	ug/L		12/23/13 10:18	01/02/14 15:03	1
Endrin	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
Endrin aldehyde	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
Endrin ketone	0.00700	U	0.100	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
gamma-BHC (Lindane)	0.00600	U	0.0500	0.00600	ug/L		12/23/13 10:18	01/02/14 15:03	1
gamma-Chlordane	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
Heptachlor	0.00600	U	0.0500	0.00600	ug/L		12/23/13 10:18	01/02/14 15:03	1
Heptachlor epoxide	0.00700	U	0.0500	0.00700	ug/L		12/23/13 10:18	01/02/14 15:03	1
Methoxychlor	0.00900	U	0.0500	0.00900	ug/L		12/23/13 10:18	01/02/14 15:03	1
Toxaphene	2.44	U	5.00	2.44	ug/L		12/23/13 10:18	01/02/14 15:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		36 - 144	12/23/13 10:18	01/02/14 15:03	1
Tetrachloro-m-xylene	78		32 - 143	12/23/13 10:18	01/02/14 15:03	1

Lab Sample ID: LCS 600-123496/2-A

Matrix: Water

Analysis Batch: 124170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	2.00	2.622		ug/L		131	37 - 160
4,4'-DDE	2.00	2.615		ug/L		131	28 - 167
4,4'-DDT	2.00	2.702		ug/L		135	32 - 167
Aldrin	2.00	2.690		ug/L		135	33 - 155
alpha-BHC	2.00	2.668		ug/L		133	34 - 154
alpha-Chlordane	2.00	2.483		ug/L		124	37 - 157
beta-BHC	2.00	2.621		ug/L		131	34 - 155
delta-BHC	2.00	2.612		ug/L		131	24 - 177
Dieldrin	2.00	2.544		ug/L		127	36 - 156
Endosulfan I	2.00	2.095		ug/L		105	38 - 161
Endosulfan II	2.00	2.718		ug/L		136	39 - 160
Endosulfan sulfate	2.00	2.578		ug/L		129	24 - 188
Endrin	2.00	2.304		ug/L		115	39 - 164
Endrin aldehyde	2.00	2.872		ug/L		144	35 - 153
Endrin ketone	2.00	2.655		ug/L		133	36 - 170
gamma-BHC (Lindane)	2.00	2.760		ug/L		138	33 - 155

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 600-123496/2-A

Matrix: Water

Analysis Batch: 124170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-Chlordane	2.00	2.572		ug/L		129	37 - 159
Heptachlor	2.00	2.805		ug/L		140	35 - 156
Heptachlor epoxide	2.00	2.579		ug/L		129	37 - 159
Methoxychlor	2.00	2.963		ug/L		148	38 - 166

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	85		36 - 144
Tetrachloro-m-xylene	81		32 - 143

Lab Sample ID: LCSD 600-123496/3-A

Matrix: Water

Analysis Batch: 124170

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 123496

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	2.00	2.651		ug/L		133	37 - 160	1	20
4,4'-DDE	2.00	2.583		ug/L		129	28 - 167	1	20
4,4'-DDT	2.00	2.718		ug/L		136	32 - 167	1	20
Aldrin	2.00	2.693		ug/L		135	33 - 155	0	20
alpha-BHC	2.00	2.688		ug/L		134	34 - 154	1	20
alpha-Chlordane	2.00	2.507		ug/L		125	37 - 157	1	20
beta-BHC	2.00	2.600		ug/L		130	34 - 155	1	20
delta-BHC	2.00	2.665		ug/L		133	24 - 177	2	20
Dieldrin	2.00	2.536		ug/L		127	36 - 156	0	20
Endosulfan I	2.00	2.078		ug/L		104	38 - 161	1	20
Endosulfan II	2.00	2.750		ug/L		137	39 - 160	1	20
Endosulfan sulfate	2.00	2.619		ug/L		131	24 - 188	2	20
Endrin	2.00	2.297		ug/L		115	39 - 164	0	20
Endrin aldehyde	2.00	3.006		ug/L		150	35 - 153	5	20
Endrin ketone	2.00	2.688		ug/L		134	36 - 170	1	20
gamma-BHC (Lindane)	2.00	2.779		ug/L		139	33 - 155	1	20
gamma-Chlordane	2.00	2.585		ug/L		129	37 - 159	1	20
Heptachlor	2.00	2.825		ug/L		141	35 - 156	1	20
Heptachlor epoxide	2.00	2.584		ug/L		129	37 - 159	0	20
Methoxychlor	2.00	2.730		ug/L		136	38 - 166	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	78		36 - 144
Tetrachloro-m-xylene	81		32 - 143

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 600-123572/1-A

Matrix: Water

Analysis Batch: 124208

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0400	U	0.200	0.0400	ug/L		12/24/13 06:28	01/02/14 14:33	1

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 600-123572/1-A

Matrix: Water

Analysis Batch: 124208

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dalapon	1.00	U	10.0	1.00	ug/L		12/24/13 06:28	01/02/14 14:33	1
2,4-DB	0.0500	U	0.200	0.0500	ug/L		12/24/13 06:28	01/02/14 14:33	1
Dicamba	0.0100	U	0.200	0.0100	ug/L		12/24/13 06:28	01/02/14 14:33	1
Dichlorprop	0.0300	U	0.200	0.0300	ug/L		12/24/13 06:28	01/02/14 14:33	1
Dinoseb	0.0200	U	0.200	0.0200	ug/L		12/24/13 06:28	01/02/14 14:33	1
Mecoprop	2.64	U	20.0	2.64	ug/L		12/24/13 06:28	01/02/14 14:33	1
MCPA	5.78	U	20.0	5.78	ug/L		12/24/13 06:28	01/02/14 14:33	1
2,4,5-T	0.0200	U	0.200	0.0200	ug/L		12/24/13 06:28	01/02/14 14:33	1
Silvex (2,4,5-TP)	0.0200	U	0.200	0.0200	ug/L		12/24/13 06:28	01/02/14 14:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	98		10 - 125. 2	12/24/13 06:28	01/02/14 14:33	1

Lab Sample ID: LCS 600-123572/2-A

Matrix: Water

Analysis Batch: 124208

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.800	0.5187		ug/L		65	25 - 151
Dalapon	1.60	1.00	U	ug/L		50	10 - 137
2,4-DB	0.800	0.6281		ug/L		79	24 - 164
Dicamba	0.800	0.3914		ug/L		49	31 - 124
Dichlorprop	0.800	0.6480		ug/L		81	42 - 127
Dinoseb	0.800	0.8417		ug/L		105	11 - 130
Mecoprop	80.0	46.79		ug/L		58	10 - 176
MCPA	80.0	42.64		ug/L		53	26 - 164
2,4,5-T	0.800	0.6576		ug/L		82	36 - 140
Silvex (2,4,5-TP)	0.800	0.6167		ug/L		77	47 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	95		10 - 125. 2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-124010/1-A

Matrix: Water

Analysis Batch: 124213

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00125	U	0.0100	0.00125	mg/L		12/31/13 08:33	01/03/14 13:09	1
Arsenic	0.00328	U	0.0100	0.00328	mg/L		12/31/13 08:33	01/03/14 13:09	1
Aluminum	0.0216	U	0.500	0.0216	mg/L		12/31/13 08:33	01/03/14 13:09	1
Barium	0.00220	U	0.0200	0.00220	mg/L		12/31/13 08:33	01/03/14 13:09	1
Calcium	0.0219	U	1.00	0.0219	mg/L		12/31/13 08:33	01/03/14 13:09	1
Cadmium	0.000350	U	0.00500	0.000350	mg/L		12/31/13 08:33	01/03/14 13:09	1
Cobalt	0.000630	U	0.0100	0.000630	mg/L		12/31/13 08:33	01/03/14 13:09	1

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Lab Sample ID: MB 600-124010/1-A

Matrix: Water

Analysis Batch: 124213

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.00155	U	0.0100	0.00155	mg/L		12/31/13 08:33	01/03/14 13:09	1
Copper	0.00145	U	0.0100	0.00145	mg/L		12/31/13 08:33	01/03/14 13:09	1
Iron	0.0866	U	0.400	0.0866	mg/L		12/31/13 08:33	01/03/14 13:09	1
Potassium	0.129	U	1.00	0.129	mg/L		12/31/13 08:33	01/03/14 13:09	1
Magnesium	0.0191	U	1.00	0.0191	mg/L		12/31/13 08:33	01/03/14 13:09	1
Manganese	0.000840	U	0.0100	0.000840	mg/L		12/31/13 08:33	01/03/14 13:09	1
Molybdenum	0.00273	U	0.0100	0.00273	mg/L		12/31/13 08:33	01/03/14 13:09	1
Sodium	0.02672	J	1.00	0.0200	mg/L		12/31/13 08:33	01/03/14 13:09	1
Nickel	0.00179	U	0.0100	0.00179	mg/L		12/31/13 08:33	01/03/14 13:09	1
Lead	0.00290	U	0.0100	0.00290	mg/L		12/31/13 08:33	01/03/14 13:09	1
Selenium	0.00417	U	0.0400	0.00417	mg/L		12/31/13 08:33	01/03/14 13:09	1
Zinc	0.00217	U	0.0300	0.00217	mg/L		12/31/13 08:33	01/03/14 13:09	1

Lab Sample ID: LCS 600-124010/2-A

Matrix: Water

Analysis Batch: 124213

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.500	0.5582		mg/L		112	80 - 120
Arsenic	1.00	1.080		mg/L		108	80 - 120
Aluminum	10.0	10.80		mg/L		108	80 - 120
Barium	1.00	1.096		mg/L		110	80 - 120
Calcium	10.0	10.75		mg/L		107	80 - 120
Cadmium	0.500	0.5381		mg/L		108	80 - 120
Cobalt	1.00	1.076		mg/L		108	80 - 120
Chromium	1.00	1.068		mg/L		107	80 - 120
Copper	1.00	1.073		mg/L		107	80 - 120
Iron	10.0	10.75		mg/L		107	80 - 120
Potassium	10.0	10.77		mg/L		108	80 - 120
Magnesium	10.0	10.71		mg/L		107	80 - 120
Manganese	1.00	1.073		mg/L		107	80 - 120
Molybdenum	1.00	1.113		mg/L		111	80 - 120
Sodium	10.0	10.71		mg/L		107	80 - 120
Nickel	1.00	1.076		mg/L		108	80 - 120
Lead	1.00	1.096		mg/L		110	80 - 120
Selenium	1.00	1.066		mg/L		107	80 - 120
Zinc	1.00	1.082		mg/L		108	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-123454/7-A

Matrix: Water

Analysis Batch: 123495

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		12/23/13 04:58	12/23/13 08:13	1

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 600-123454/8-A
Matrix: Water
Analysis Batch: 123495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.00	3.013		ug/L		100	70 - 130

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: MB 600-124048/1
Matrix: Water
Analysis Batch: 124048

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			12/31/13 12:00	1

Lab Sample ID: LCS 600-124048/2
Matrix: Water
Analysis Batch: 124048

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	81.40		Degrees F		100	96.9 - 103.1 09

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 600-123582/3
Matrix: Water
Analysis Batch: 123582

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.0270	U	0.400	0.0270	mg/L			12/23/13 17:20	1
Sulfate	0.0830	U	0.500	0.0830	mg/L			12/23/13 17:20	1

Lab Sample ID: LCS 600-123582/4
Matrix: Water
Analysis Batch: 123582

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.28		mg/L		101	90 - 110
Sulfate	20.0	20.34		mg/L		102	90 - 110

Lab Sample ID: MB 600-124058/3
Matrix: Water
Analysis Batch: 124058

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.0270	U	0.400	0.0270	mg/L			12/24/13 10:46	1
Sulfate	0.0830	U	0.500	0.0830	mg/L			12/24/13 10:46	1

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 600-124058/4

Matrix: Water

Analysis Batch: 124058

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.47		mg/L		102	90 - 110
Sulfate	20.0	20.58		mg/L		103	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 600-124343/10

Matrix: Water

Analysis Batch: 124343

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0170	U	0.0500	0.0170	mg/L			01/03/14 11:28	1

Lab Sample ID: LCS 600-124343/11

Matrix: Water

Analysis Batch: 124343

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.050		mg/L		105	90 - 110

Lab Sample ID: 600-84456-2 MS

Matrix: Water

Analysis Batch: 124343

Client Sample ID: BlancoSouth-EquBlank03-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.0672		1.00	0.5098	F1	mg/L		44	80 - 120

Lab Sample ID: 600-84456-2 MS

Matrix: Water

Analysis Batch: 124343

Client Sample ID: BlancoSouth-EquBlank03-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N			1.00	0.9814		mg/L			

Lab Sample ID: 600-84456-2 MSD

Matrix: Water

Analysis Batch: 124343

Client Sample ID: BlancoSouth-EquBlank03-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.0672		1.00	0.3201	F1 F2	mg/L		25	80 - 120	46	20

Lab Sample ID: 600-84456-2 MSD

Matrix: Water

Analysis Batch: 124343

Client Sample ID: BlancoSouth-EquBlank03-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N			1.00	0.9258		mg/L					

TestAmerica Houston

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 600-84456-11 MS

Matrix: Water

Analysis Batch: 124343

Client Sample ID: BlancoSouth-MW12-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	13.2		250	438.0	F1	mg/L		170	80 - 120

Lab Sample ID: 600-84456-11 MSD

Matrix: Water

Analysis Batch: 124343

Client Sample ID: BlancoSouth-MW12-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	13.2		250	262.4	F2	mg/L		100	80 - 120	50	20

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 600-124016/1-A

Matrix: Water

Analysis Batch: 124067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	39.7	U	250	39.7	ug/L		12/31/13 07:40	12/31/13 15:10	1

Lab Sample ID: LCS 600-124016/2-A ^20

Matrix: Water

Analysis Batch: 124067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000000	31490		ug/L		3	0 - 100

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 600-124016/1-A

Matrix: Water

Analysis Batch: 124061

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	1.40	U	50.0	1.40	mg/L		12/31/13 07:40	12/31/13 14:45	1

Lab Sample ID: LCS 600-124016/2-A

Matrix: Water

Analysis Batch: 124061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	320.0		mg/L		32	0 - 100

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 9040B - pH

Lab Sample ID: LCS 600-123560/1
Matrix: Water
Analysis Batch: 123560

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.020		SU		100	99 - 101

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 600-124007/1
Matrix: Water
Analysis Batch: 124007

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.00	U	5.00	5.00	mg/L			12/31/13 08:13	1
Bicarbonate Alkalinity as CaCO3	5.00	U	5.00	5.00	mg/L			12/31/13 08:13	1
Carbonate Alkalinity as CaCO3	5.00	U	5.00	5.00	mg/L			12/31/13 08:13	1
Hydroxide Alkalinity	5.00	U	5.00	5.00	mg/L			12/31/13 08:13	1
Phenolphthalein Alkalinity	5.00	U	5.00	5.00	mg/L			12/31/13 08:13	1

Lab Sample ID: LCS 600-124007/2
Matrix: Water
Analysis Batch: 124007

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	1000	965.7		mg/L		97	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 600-123544/49
Matrix: Water
Analysis Batch: 123544

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10.0	U	10.0	10.0	mg/L			12/23/13 14:41	1

Lab Sample ID: LCS 600-123544/50
Matrix: Water
Analysis Batch: 123544

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1800	1878		mg/L		104	90 - 110

Lab Sample ID: MB 600-123710/1
Matrix: Water
Analysis Batch: 123710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10.0	U	10.0	10.0	mg/L			12/26/13 13:39	1

QC Sample Results

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 600-123710/2

Matrix: Water

Analysis Batch: 123710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1800	1828		mg/L		102	90 - 110

Lab Sample ID: 600-84456-4 DU

Matrix: Water

Analysis Batch: 123710

Client Sample ID: BlancoSouth-IDW-12182013

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	7880		7820		mg/L		0.7	10

QC Association Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

GC/MS VOA

Analysis Batch: 123637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-1	BlancoSouth-MW13-12182013	Total/NA	Water	8260B	
600-84456-2	BlancoSouth-EquBlank03-12182013	Total/NA	Water	8260B	
600-84456-5	BlancoSouth-MW08-12182013	Total/NA	Water	8260B	
600-84456-11	BlancoSouth-MW12-12182013	Total/NA	Water	8260B	
600-84456-11 MS	BlancoSouth-MW12-12182013	Total/NA	Water	8260B	
600-84456-11 MSD	BlancoSouth-MW12-12182013	Total/NA	Water	8260B	
600-84456-12	BlancoSouth-EquBlank02-12182013	Total/NA	Water	8260B	
LCS 600-123637/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-123637/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 123757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-3	BlancoSouth-MW15-12182013	Total/NA	Water	8260B	
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	8260B	
LCS 600-123757/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-123757/3	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 123505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	3510C	
LCS 600-123505/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 600-123505/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 600-123505/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 123836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	8270C LL	123505
LCS 600-123505/2-A	Lab Control Sample	Total/NA	Water	8270C LL	123505
LCSD 600-123505/3-A	Lab Control Sample Dup	Total/NA	Water	8270C LL	123505

Analysis Batch: 124073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-123505/1-A	Method Blank	Total/NA	Water	8270C LL	123505

GC Semi VOA

Prep Batch: 123496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	3510C	
LCS 600-123496/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 600-123496/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 600-123496/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 123572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	8151A	
LCS 600-123572/2-A	Lab Control Sample	Total/NA	Water	8151A	
MB 600-123572/1-A	Method Blank	Total/NA	Water	8151A	

TestAmerica Houston

QC Association Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

GC Semi VOA (Continued)

Analysis Batch: 124170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	8081A	123496
LCS 600-123496/2-A	Lab Control Sample	Total/NA	Water	8081A	123496
LCSD 600-123496/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	123496
MB 600-123496/1-A	Method Blank	Total/NA	Water	8081A	123496

Analysis Batch: 124208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	8151A	123572
LCS 600-123572/2-A	Lab Control Sample	Total/NA	Water	8151A	123572
MB 600-123572/1-A	Method Blank	Total/NA	Water	8151A	123572

Metals

Prep Batch: 123454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	7470A	
LCS 600-123454/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 600-123454/7-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 123495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	7470A	123454
CRA 600-123495/10	DL		Water	7470A	
LCS 600-123454/8-A	Lab Control Sample	Total/NA	Water	7470A	123454
MB 600-123454/7-A	Method Blank	Total/NA	Water	7470A	123454

Prep Batch: 124010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	3010A	
600-84456-4 - DL	BlancoSouth-IDW-12182013	Total/NA	Water	3010A	
LCS 600-124010/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-124010/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 124213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	6010B	124010
600-84456-4 - DL	BlancoSouth-IDW-12182013	Total/NA	Water	6010B	124010
ICSA 600-124213/4	ICS		Water	6010B	
ICSAB 600-124213/5	ICS		Water	6010B	
LCS 600-124010/2-A	Lab Control Sample	Total/NA	Water	6010B	124010
MB 600-124010/1-A	Method Blank	Total/NA	Water	6010B	124010

General Chemistry

Analysis Batch: 123544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	SM 2540C	
LCS 600-123544/50	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 600-123544/49	Method Blank	Total/NA	Water	SM 2540C	

QC Association Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

General Chemistry (Continued)

Analysis Batch: 123560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	9040B	
LCS 600-123560/1	Lab Control Sample	Total/NA	Water	9040B	

Analysis Batch: 123582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	300.0	
LCS 600-123582/4	Lab Control Sample	Total/NA	Water	300.0	
MB 600-123582/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 123710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4 DU	BlancoSouth-IDW-12182013	Total/NA	Water	SM 2540C	
LCS 600-123710/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 600-123710/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 124007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	SM 2320B	
LCS 600-124007/2	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 600-124007/1	Method Blank	Total/NA	Water	SM 2320B	

Prep Batch: 124016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	7.3.4	
LCS 600-124016/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCS 600-124016/2-A ^20	Lab Control Sample	Total/NA	Water	7.3.4	
MB 600-124016/1-A	Method Blank	Total/NA	Water	7.3.4	

Analysis Batch: 124048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	1010	
LCS 600-124048/2	Lab Control Sample	Total/NA	Water	1010	
MB 600-124048/1	Method Blank	Total/NA	Water	1010	

Analysis Batch: 124058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	300.0	
LCS 600-124058/4	Lab Control Sample	Total/NA	Water	300.0	
MB 600-124058/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 124061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	9034	124016
LCS 600-124016/2-A	Lab Control Sample	Total/NA	Water	9034	124016
MB 600-124016/1-A	Method Blank	Total/NA	Water	9034	124016

Analysis Batch: 124067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-4	BlancoSouth-IDW-12182013	Total/NA	Water	9012	124016
LCS 600-124016/2-A ^20	Lab Control Sample	Total/NA	Water	9012	124016
MB 600-124016/1-A	Method Blank	Total/NA	Water	9012	124016

TestAmerica Houston

QC Association Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

General Chemistry (Continued)

Analysis Batch: 124343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-84456-1	BlancoSouth-MW13-12182013	Total/NA	Water	353.2	
600-84456-2	BlancoSouth-EquBlank03-12182013	Total/NA	Water	353.2	
600-84456-2 MS	BlancoSouth-EquBlank03-12182013	Total/NA	Water	353.2	
600-84456-2 MS	BlancoSouth-EquBlank03-12182013	Total/NA	Water	353.2	
600-84456-2 MSD	BlancoSouth-EquBlank03-12182013	Total/NA	Water	353.2	
600-84456-2 MSD	BlancoSouth-EquBlank03-12182013	Total/NA	Water	353.2	
600-84456-3	BlancoSouth-MW15-12182013	Total/NA	Water	353.2	
600-84456-5	BlancoSouth-MW08-12182013	Total/NA	Water	353.2	
600-84456-6	BlancoSouth-MW06-12182013	Total/NA	Water	353.2	
600-84456-7	BlancoSouth-MW30-12182013	Total/NA	Water	353.2	
600-84456-8	BlancoSouth-MW05-12182013	Total/NA	Water	353.2	
600-84456-9	BlancoSouth-MW29-12182013	Total/NA	Water	353.2	
600-84456-10	BlancoSouth-MW28-12182013	Total/NA	Water	353.2	
600-84456-11	BlancoSouth-MW12-12182013	Total/NA	Water	353.2	
600-84456-11 MS	BlancoSouth-MW12-12182013	Total/NA	Water	353.2	
600-84456-11 MSD	BlancoSouth-MW12-12182013	Total/NA	Water	353.2	
600-84456-12	BlancoSouth-EquBlank02-12182013	Total/NA	Water	353.2	
LCS 600-124343/11	Lab Control Sample	Total/NA	Water	353.2	
MB 600-124343/10	Method Blank	Total/NA	Water	353.2	

Lab Chronicle

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW13-12182013

Lab Sample ID: 600-84456-1

Date Collected: 12/18/13 16:10

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123637	12/24/13 19:16	WS1	TAL HOU
Total/NA	Analysis	353.2		100	124343	01/03/14 12:29	KRD	TAL HOU

Client Sample ID: BlancoSouth-EquBlank03-12182013

Lab Sample ID: 600-84456-2

Date Collected: 12/18/13 16:30

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123637	12/24/13 19:41	WS1	TAL HOU
Total/NA	Analysis	353.2		1	124343	01/03/14 11:41	KRD	TAL HOU

Client Sample ID: BlancoSouth-MW15-12182013

Lab Sample ID: 600-84456-3

Date Collected: 12/18/13 17:15

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123757	12/26/13 15:56	WS1	TAL HOU
Total/NA	Analysis	353.2		250	124343	01/03/14 12:29	KRD	TAL HOU

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Date Collected: 12/18/13 08:00

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123757	12/26/13 16:22	WS1	TAL HOU
Total/NA	Prep	3510C			123505	12/23/13 10:49	MRA	TAL HOU
Total/NA	Analysis	8270C LL		1	123836	12/27/13 19:54	MBB	TAL HOU
Total/NA	Prep	3510C			123496	12/23/13 10:18	RLK	TAL HOU
Total/NA	Analysis	8081A		1	124170	01/02/14 16:53	JAL	TAL HOU
Total/NA	Prep	8151A			123572	12/24/13 06:28	SMB	TAL HOU
Total/NA	Analysis	8151A		1	124208	01/02/14 15:23	JAL	TAL HOU
Total/NA	Prep	7470A			123454	12/23/13 04:58	MJT	TAL HOU
Total/NA	Analysis	7470A		1	123495	12/23/13 09:00	MJT	TAL HOU
Total/NA	Prep	3010A			124010	12/31/13 08:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	124213	01/03/14 13:20	DCL	TAL HOU
Total/NA	Prep	3010A	DL		124010	12/31/13 08:33	NER	TAL HOU
Total/NA	Analysis	6010B	DL	20	124213	01/03/14 15:16	DCL	TAL HOU
Total/NA	Analysis	SM 2540C		1	123544	12/23/13 15:01	AYS	TAL HOU
Total/NA	Analysis	9040B		1	123560	12/23/13 15:00	MJB	TAL HOU
Total/NA	Analysis	300.0		100	123582	12/23/13 19:39	DAW	TAL HOU
Total/NA	Analysis	SM 2320B		1	124007	12/31/13 08:13	SC1	TAL HOU
Total/NA	Analysis	1010		1	124048	12/31/13 12:00	MJB	TAL HOU

TestAmerica Houston

Lab Chronicle

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Date Collected: 12/18/13 08:00

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		200	124058	12/24/13 12:50	BDG	TAL HOU
Total/NA	Prep	7.3.4			124016	12/31/13 07:40	MJB	TAL HOU
Total/NA	Analysis	9034		1	124061	12/31/13 14:45	KRD	TAL HOU
Total/NA	Prep	7.3.4			124016	12/31/13 07:40	MJB	TAL HOU
Total/NA	Analysis	9012		1	124067	12/31/13 15:10	KRD	TAL HOU

Client Sample ID: BlancoSouth-MW08-12182013

Lab Sample ID: 600-84456-5

Date Collected: 12/18/13 10:40

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123637	12/24/13 18:50	WS1	TAL HOU
Total/NA	Analysis	353.2		1	124343	01/03/14 11:44	KRD	TAL HOU

Client Sample ID: BlancoSouth-MW06-12182013

Lab Sample ID: 600-84456-6

Date Collected: 12/18/13 11:20

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		250	124343	01/03/14 12:30	KRD	TAL HOU

Client Sample ID: BlancoSouth-MW30-12182013

Lab Sample ID: 600-84456-7

Date Collected: 12/18/13 12:10

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		50	124343	01/03/14 11:45	KRD	TAL HOU

Client Sample ID: BlancoSouth-MW05-12182013

Lab Sample ID: 600-84456-8

Date Collected: 12/18/13 13:15

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		100	124343	01/03/14 11:54	KRD	TAL HOU

Client Sample ID: BlancoSouth-MW29-12182013

Lab Sample ID: 600-84456-9

Date Collected: 12/18/13 13:50

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		100	124343	01/03/14 11:55	KRD	TAL HOU

TestAmerica Houston

Lab Chronicle

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Client Sample ID: BlancoSouth-MW28-12182013

Lab Sample ID: 600-84456-10

Date Collected: 12/18/13 14:15

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		100	124343	01/03/14 11:55	KRD	TAL HOU

Client Sample ID: BlancoSouth-MW12-12182013

Lab Sample ID: 600-84456-11

Date Collected: 12/18/13 15:20

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123637	12/24/13 13:44	WS1	TAL HOU
Total/NA	Analysis	353.2		250	124343	01/03/14 12:32	KRD	TAL HOU

Client Sample ID: BlancoSouth-EquBlank02-12182013

Lab Sample ID: 600-84456-12

Date Collected: 12/18/13 15:15

Matrix: Water

Date Received: 12/20/13 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	123637	12/24/13 14:10	WS1	TAL HOU
Total/NA	Analysis	353.2		1	124343	01/03/14 11:59	KRD	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Default Detection Limits

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	1.00	0.150	ug/L	8260B
1,1,2,2-Tetrachloroethane	1.00	0.220	ug/L	8260B
1,1,2-Trichloroethane	1.00	0.280	ug/L	8260B
1,1-Dichloroethane	1.00	0.110	ug/L	8260B
1,1-Dichloroethene	1.00	0.190	ug/L	8260B
1,2-Dichloroethane	1.00	0.140	ug/L	8260B
1,2-Dichloroethene, Total	1.00	0.300	ug/L	8260B
1,2-Dichloropropane	1.00	0.160	ug/L	8260B
2-Butanone (MEK)	2.00	0.760	ug/L	8260B
2-Hexanone	2.00	0.350	ug/L	8260B
4-Methyl-2-pentanone (MIBK)	2.00	0.450	ug/L	8260B
Acetone	5.00	0.990	ug/L	8260B
Benzene	1.00	0.0800	ug/L	8260B
Bromodichloromethane	1.00	0.160	ug/L	8260B
Bromoform	1.00	0.190	ug/L	8260B
Bromomethane	2.00	0.250	ug/L	8260B
Carbon disulfide	2.00	0.240	ug/L	8260B
Carbon tetrachloride	1.00	0.150	ug/L	8260B
Chlorobenzene	1.00	0.120	ug/L	8260B
Chlorobromomethane	1.00	0.180	ug/L	8260B
Chloroethane	2.00	0.0800	ug/L	8260B
Chloroform	1.00	0.130	ug/L	8260B
Chloromethane	2.00	0.180	ug/L	8260B
cis-1,2-Dichloroethene	1.00	0.0600	ug/L	8260B
cis-1,3-Dichloropropene	1.00	0.180	ug/L	8260B
Dibromochloromethane	1.00	0.150	ug/L	8260B
Ethylbenzene	1.00	0.110	ug/L	8260B
Methylene Chloride	5.00	0.150	ug/L	8260B
m-Xylene & p-Xylene	1.00	0.170	ug/L	8260B
o-Xylene	1.00	0.120	ug/L	8260B
Styrene	1.00	0.0700	ug/L	8260B
Tetrachloroethene	1.00	0.130	ug/L	8260B
Toluene	1.00	0.150	ug/L	8260B
trans-1,2-Dichloroethene	1.00	0.0900	ug/L	8260B
trans-1,3-Dichloropropene	1.00	0.210	ug/L	8260B
Trichloroethene	1.00	0.180	ug/L	8260B
Vinyl acetate	2.00	0.210	ug/L	8260B
Vinyl chloride	2.00	0.110	ug/L	8260B
Xylenes, Total	1.00	0.260	ug/L	8260B

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	RL	MDL	Units	Method
1,2,4-Trichlorobenzene	2.00	0.160	ug/L	8270C LL
1,2-Dichlorobenzene	1.75	0.210	ug/L	8270C LL
1,3-Dichlorobenzene	1.50	0.100	ug/L	8270C LL
1,4-Dichlorobenzene	2.00	0.160	ug/L	8270C LL
2,4,5-Trichlorophenol	2.00	0.290	ug/L	8270C LL
2,4,6-Trichlorophenol	2.00	0.330	ug/L	8270C LL
2,4-Dichlorophenol	2.50	0.260	ug/L	8270C LL
2,4-Dimethylphenol	2.50	0.180	ug/L	8270C LL
2,4-Dinitrophenol	5.00	0.400	ug/L	8270C LL

TestAmerica Houston

Default Detection Limits

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	RL	MDL	Units	Method
2,4-Dinitrotoluene	1.50	0.320	ug/L	8270C LL
2,6-Dinitrotoluene	1.00	0.290	ug/L	8270C LL
2-Chloronaphthalene	1.50	0.190	ug/L	8270C LL
2-Chlorophenol	2.00	0.220	ug/L	8270C LL
2-Methylnaphthalene	1.50	0.140	ug/L	8270C LL
2-Methylphenol	1.50	0.190	ug/L	8270C LL
2-Nitroaniline	2.50	0.350	ug/L	8270C LL
2-Nitrophenol	1.00	0.220	ug/L	8270C LL
3 & 4 Methylphenol	1.00	0.160	ug/L	8270C LL
3,3'-Dichlorobenzidine	5.00	0.320	ug/L	8270C LL
3-Nitroaniline	2.50	0.130	ug/L	8270C LL
4,6-Dinitro-2-methylphenol	2.00	0.160	ug/L	8270C LL
4-Bromophenyl phenyl ether	1.50	0.250	ug/L	8270C LL
4-Chloro-3-methylphenol	1.00	0.250	ug/L	8270C LL
4-Chloroaniline	1.00	0.110	ug/L	8270C LL
4-Chlorophenyl phenyl ether	1.50	0.230	ug/L	8270C LL
4-Nitroaniline	2.50	0.230	ug/L	8270C LL
4-Nitrophenol	2.50	0.330	ug/L	8270C LL
Acenaphthene	1.00	0.160	ug/L	8270C LL
Acenaphthylene	1.00	0.160	ug/L	8270C LL
Anthracene	1.50	0.440	ug/L	8270C LL
Benzidine	50.0	17.9	ug/L	8270C LL
Benzo[a]anthracene	2.00	0.250	ug/L	8270C LL
Benzo[a]pyrene	1.50	0.130	ug/L	8270C LL
Benzo[b]fluoranthene	2.00	0.180	ug/L	8270C LL
Benzo[g,h,i]perylene	2.50	0.350	ug/L	8270C LL
Benzo[k]fluoranthene	2.00	0.160	ug/L	8270C LL
Benzyl alcohol	2.00	0.510	ug/L	8270C LL
bis (2-Chloroisopropyl) ether	1.00	0.180	ug/L	8270C LL
Bis(2-chloroethoxy)methane	1.50	0.190	ug/L	8270C LL
Bis(2-chloroethyl)ether	1.50	0.180	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate	2.50	0.590	ug/L	8270C LL
Butyl benzyl phthalate	2.50	0.850	ug/L	8270C LL
Carbazole	5.00	0.350	ug/L	8270C LL
Chrysene	1.50	0.240	ug/L	8270C LL
Dibenz(a,h)anthracene	2.50	0.290	ug/L	8270C LL
Dibenzofuran	1.50	0.160	ug/L	8270C LL
Diethyl phthalate	5.00	4.19	ug/L	8270C LL
Dimethyl phthalate	2.50	0.180	ug/L	8270C LL
Di-n-butyl phthalate	5.00	1.87	ug/L	8270C LL
Di-n-octyl phthalate	5.00	0.160	ug/L	8270C LL
Fluoranthene	2.50	0.310	ug/L	8270C LL
Fluorene	1.50	0.120	ug/L	8270C LL
Hexachlorobenzene	1.50	0.250	ug/L	8270C LL
Hexachlorobutadiene	2.00	0.190	ug/L	8270C LL
Hexachlorocyclopentadiene	1.50	0.150	ug/L	8270C LL
Hexachloroethane	2.00	0.170	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene	2.00	0.290	ug/L	8270C LL
Isophorone	1.50	0.150	ug/L	8270C LL
Naphthalene	2.00	0.160	ug/L	8270C LL
Nitrobenzene	1.50	0.200	ug/L	8270C LL
N-Nitrosodimethylamine	2.00	0.160	ug/L	8270C LL

TestAmerica Houston

Default Detection Limits

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	RL	MDL	Units	Method
N-Nitrosodi-n-propylamine	2.50	0.240	ug/L	8270C LL
N-Nitrosodiphenylamine	1.50	0.330	ug/L	8270C LL
Pentachlorophenol	2.50	0.960	ug/L	8270C LL
Phenanthrene	1.50	0.290	ug/L	8270C LL
Phenol	1.50	0.140	ug/L	8270C LL
Pyrene	2.00	0.330	ug/L	8270C LL

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	RL	MDL	Units	Method
4,4'-DDD	0.100	0.00700	ug/L	8081A
4,4'-DDE	0.100	0.00700	ug/L	8081A
4,4'-DDT	0.100	0.00800	ug/L	8081A
Aldrin	0.0500	0.00600	ug/L	8081A
alpha-BHC	0.0500	0.00700	ug/L	8081A
alpha-Chlordane	0.0500	0.0500	ug/L	8081A
beta-BHC	0.0500	0.00800	ug/L	8081A
Chlordane (technical)	0.100	0.0600	ug/L	8081A
delta-BHC	0.0500	0.00500	ug/L	8081A
Dieldrin	0.100	0.00700	ug/L	8081A
Endosulfan I	0.0500	0.00700	ug/L	8081A
Endosulfan II	0.100	0.100	ug/L	8081A
Endosulfan sulfate	0.100	0.0250	ug/L	8081A
Endrin	0.100	0.00700	ug/L	8081A
Endrin aldehyde	0.100	0.00700	ug/L	8081A
Endrin ketone	0.100	0.00700	ug/L	8081A
gamma-BHC (Lindane)	0.0500	0.00600	ug/L	8081A
gamma-Chlordane	0.0500	0.00700	ug/L	8081A
Heptachlor	0.0500	0.00600	ug/L	8081A
Heptachlor epoxide	0.0500	0.00700	ug/L	8081A
Methoxychlor	0.0500	0.00900	ug/L	8081A
Toxaphene	5.00	2.44	ug/L	8081A

Method: 8151A - Herbicides (GC)

Analyte	RL	MDL	Units	Method
2,4,5-T	0.200	0.0200	ug/L	8151A
2,4-D	0.200	0.0400	ug/L	8151A
2,4-DB	0.200	0.0500	ug/L	8151A
Dalapon	10.0	1.00	ug/L	8151A
Dicamba	0.200	0.0100	ug/L	8151A
Dichlorprop	0.200	0.0300	ug/L	8151A
Dinoseb	0.200	0.0200	ug/L	8151A
MCPA	20.0	5.78	ug/L	8151A
Mecoprop	20.0	2.64	ug/L	8151A
Silvex (2,4,5-TP)	0.200	0.0200	ug/L	8151A

Method: 6010B - Metals (ICP)

Analyte	RL	MDL	Units	Method
Aluminum	0.500	0.0216	mg/L	6010B
Arsenic	0.0100	0.00328	mg/L	6010B

TestAmerica Houston

Default Detection Limits

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

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

Analyte	RL	MDL	Units	Method
Barium	0.0200	0.00220	mg/L	6010B
Cadmium	0.00500	0.000350	mg/L	6010B
Calcium	1.00	0.0219	mg/L	6010B
Chromium	0.0100	0.00155	mg/L	6010B
Cobalt	0.0100	0.000630	mg/L	6010B
Copper	0.0100	0.00145	mg/L	6010B
Iron	0.400	0.0866	mg/L	6010B
Lead	0.0100	0.00290	mg/L	6010B
Magnesium	1.00	0.0191	mg/L	6010B
Manganese	0.0100	0.000840	mg/L	6010B
Molybdenum	0.0100	0.00273	mg/L	6010B
Nickel	0.0100	0.00179	mg/L	6010B
Potassium	1.00	0.129	mg/L	6010B
Selenium	0.0400	0.00417	mg/L	6010B
Silver	0.0100	0.00125	mg/L	6010B
Sodium	1.00	0.0200	mg/L	6010B
Zinc	0.0300	0.00217	mg/L	6010B

Method: 7470A - Mercury (CVAA)

Analyte	RL	MDL	Units	Method
Mercury	0.200	0.0820	ug/L	7470A

General Chemistry

Analyte	RL	RL	Units	Method
Flashpoint	1.00	1.00	Degrees F	1010
Chloride	0.400	0.0270	mg/L	300.0
Sulfate	0.500	0.0830	mg/L	300.0
Nitrate Nitrite as N	0.0500	0.0170	mg/L	353.2
Cyanide, Reactive	250	39.7	ug/L	9012
Sulfide, Reactive	50.0	1.40	mg/L	9034
pH	0.0100	0.0100	SU	9040B
Alkalinity	5.00	5.00	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3	5.00	5.00	mg/L	SM 2320B
Carbonate Alkalinity as CaCO3	5.00	5.00	mg/L	SM 2320B
Hydroxide Alkalinity	5.00	5.00	mg/L	SM 2320B
Phenolphthalein Alkalinity	5.00	5.00	mg/L	SM 2320B
Total Dissolved Solids	10.0	10.0	mg/L	SM 2540C

Certification Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: BlancoSouth

TestAmerica Job ID: 600-84456-1

Laboratory: TestAmerica Houston

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-14
Louisiana	NELAP	6	30643	06-30-14
Oklahoma	State Program	6	1309	08-31-14
Texas	NELAP	6	T104704223	10-31-14
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	TX00083	10-31-14

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Buffer pH 13_00001	12/02/14		RICCA, Lot 1311774		(Purchased Reagent)		pH	13 %
CCV_00023	02/01/14	11/06/13	DI WATER, Lot NONE	1000 mL	WETSICCCL_00019	20 mL	Chloride	20 mg/L
.WETSICCCL_00019	02/01/14		INORGANIC-VENTURE, Lot E-2 CL01097		WETSICCSO4_00011	20 mL	Sulfate	20 mg/L
.WETSICCSO4_00011	02/01/14		INORGANIC-VENTURE, Lot E2-SOX01095		(Purchased Reagent)		Chloride	1000 mg/L
					(Purchased Reagent)		Sulfate	1000 mg/L
HEBMSSPIKE_00031	03/01/14	12/10/13	ACETONE, Lot EX_acetone_00025	50 mL	HB-STD-ICV_00001	200 uL	MCPA	80 ug/mL
					HB-STD-STOCK_00002	200 uL	Mecoprop	80 ug/mL
							2,4,5-T	0.8 ug/mL
							2,4-D	0.8 ug/mL
							2,4-DB	0.8 ug/mL
							Dicamba	0.8 ug/mL
							Dichlorprop	0.8 ug/mL
							Dinoseb	0.8 ug/mL
							Silvex (2,4,5-TP)	0.8 ug/mL
.HB-STD-ICV_00001	10/31/14		Restek, Lot A094766		HDalaponSTOCK_00002	80 uL	Dalapon	1.6 ug/mL
					(Purchased Reagent)		MCPA	20000 ug/mL
.HB-STD-STOCK_00002	03/01/14		Restek, Lot A086927		(Purchased Reagent)		Mecoprop	20000 ug/mL
					(Purchased Reagent)		2,4,5-T	200 ug/mL
					(Purchased Reagent)		2,4-D	200 ug/mL
					(Purchased Reagent)		2,4-DB	200 ug/mL
					(Purchased Reagent)		Dicamba	200 ug/mL
					(Purchased Reagent)		Dichlorprop	200 ug/mL
					(Purchased Reagent)		Dinoseb	200 ug/mL
					(Purchased Reagent)		Silvex (2,4,5-TP)	200 ug/mL
.HDalaponSTOCK_00002	06/30/14		Restek, Lot A092450		(Purchased Reagent)		Dalapon	1000 ug/mL
HEBSURR_00036	06/16/14	12/16/13	ACETONE, Lot ex_acetone_00025	250 mL	HSURRDCAA_00011	1250 uL	2,4-Dichlorophenylacetic acid	5 ug/mL
.HSURRDCAA_00011	08/30/16		RESTEK, Lot A097575		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL
HERBCURVE1_00012	03/01/14	10/01/13	HEXANE, Lot EX_HEXANE_000012	25 mL	HERBCURVE_00015	500 uL	2,4,5-T	0.04 ug/mL
					HERBCURVE_00015	500 uL	2,4-D	0.04 ug/mL
							2,4-DB	0.04 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.04 ug/mL
							Dinoseb	0.04 ug/mL
							Silvex (2,4,5-TP)	0.04 ug/mL
							MCPA	4 ug/mL
							Mecoprop	4 ug/mL
							Dalapon	0.04 ug/mL
							2,4-Dichlorophenylacetic acid	0.3 ug/mL
.HERBCURVE_00015	03/01/14	10/01/13	HEXANE, Lot Ex-hexane_00012	10 mL	HB-STD-STOCK_00002	100 uL	2,4,5-T	2 ug/mL
					HB-STD-STOCK_00002	100 uL	2,4-D	2 ug/mL
							2,4-DB	2 ug/mL
							Dicamba	2 ug/mL
							Dichlorprop	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dinoseb	2 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
					HB-STD-STOCK_00005	100 uL	MCPA	200 ug/mL
							Mecoprop	200 ug/mL
					HDalaponSTOCK_00002	20 uL	Dalapon	2 ug/mL
					HSURRDCAA_00010	150 uL	2,4-Dichlorophenylacetic acid	15 ug/mL
..HB-STD-STOCK_00002	03/01/14		Restek, Lot A086927		(Purchased Reagent)		2,4,5-T	200 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dicamba	200 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							Silvex (2,4,5-TP)	200 ug/mL
..HB-STD-STOCK_00005	10/31/14		Restek, Lot A095103		(Purchased Reagent)		MCPA	20000 ug/mL
							Mecoprop	20000 ug/mL
..HDalaponSTOCK_00002	06/30/14		Restek, Lot A092450		(Purchased Reagent)		Dalapon	1000 ug/mL
..HSURRDCAA_00010	09/30/14		RESTEK, Lot A093820		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL
HERBCURVE2_00013	03/01/14	10/01/13	HEXANE, Lot EX_HEXANE_000012	25 mL	HERBCURVE_00015	1000 uL	2,4,5-T	0.08 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							Dicamba	0.08 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.08 ug/mL
							Silvex (2,4,5-TP)	0.08 ug/mL
							MCPA	8 ug/mL
							Mecoprop	8 ug/mL
							Dalapon	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.6 ug/mL
.HERBCURVE_00015	03/01/14	10/01/13	HEXANE, Lot Ex-hexane_00012	10 mL	HB-STD-STOCK_00002	100 uL	2,4,5-T	2 ug/mL
							2,4-D	2 ug/mL
							2,4-DB	2 ug/mL
							Dicamba	2 ug/mL
							Dichlorprop	2 ug/mL
							Dinoseb	2 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
					HB-STD-STOCK_00005	100 uL	MCPA	200 ug/mL
							Mecoprop	200 ug/mL
					HDalaponSTOCK_00002	20 uL	Dalapon	2 ug/mL
					HSURRDCAA_00010	150 uL	2,4-Dichlorophenylacetic acid	15 ug/mL
..HB-STD-STOCK_00002	03/01/14		Restek, Lot A086927		(Purchased Reagent)		2,4,5-T	200 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dicamba	200 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							Silvex (2,4,5-TP)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
..HB-STD-STOCK_00005	10/31/14	Restek, Lot A095103			(Purchased Reagent)		MCPA	20000 ug/mL					
							Mecoprop	20000 ug/mL					
..HDalaponSTOCK_00002	06/30/14	Restek, Lot A092450			(Purchased Reagent)		Dalapon	1000 ug/mL					
..HSURRDCAA_00010	09/30/14	RESTEK, Lot A093820			(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL					
HERBCURVE3_00013	03/01/14	10/01/13	HEXANE, Lot EX_HEXANE_000012	25 mL	HERBCURVE_00015	1250 uL	2,4,5-T	0.1 ug/mL					
							2,4-D	0.1 ug/mL					
							2,4-DB	0.1 ug/mL					
							Dicamba	0.1 ug/mL					
							Dichlorprop	0.1 ug/mL					
							Dinoseb	0.1 ug/mL					
							Silvex (2,4,5-TP)	0.1 ug/mL					
							MCPA	10 ug/mL					
							Mecoprop	10 ug/mL					
							Dalapon	0.1 ug/mL					
						2,4-Dichlorophenylacetic acid	0.75 ug/mL						
.HERBCURVE_00015	03/01/14	10/01/13	HEXANE, Lot Ex-hexane_00012	10 mL	HB-STD-STOCK_00002	100 uL	2,4,5-T	2 ug/mL					
							2,4-D	2 ug/mL					
							2,4-DB	2 ug/mL					
							Dicamba	2 ug/mL					
							Dichlorprop	2 ug/mL					
							Dinoseb	2 ug/mL					
							Silvex (2,4,5-TP)	2 ug/mL					
					HB-STD-STOCK_00005	100 uL	MCPA	200 ug/mL					
							Mecoprop	200 ug/mL					
					HDalaponSTOCK_00002	20 uL	Dalapon	2 ug/mL					
					HSURRDCAA_00010	150 uL	2,4-Dichlorophenylacetic acid	15 ug/mL					
					..HB-STD-STOCK_00002	03/01/14	Restek, Lot A086927			(Purchased Reagent)		2,4,5-T	200 ug/mL
												2,4-D	200 ug/mL
2,4-DB	200 ug/mL												
Dicamba	200 ug/mL												
Dichlorprop	200 ug/mL												
Dinoseb	200 ug/mL												
Silvex (2,4,5-TP)	200 ug/mL												
..HB-STD-STOCK_00005	10/31/14	Restek, Lot A095103			(Purchased Reagent)		MCPA	20000 ug/mL					
							Mecoprop	20000 ug/mL					
..HDalaponSTOCK_00002	06/30/14	Restek, Lot A092450			(Purchased Reagent)		Dalapon	1000 ug/mL					
..HSURRDCAA_00010	09/30/14	RESTEK, Lot A093820			(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL					
HERBCURVE4_00014	03/01/14	10/01/13	HEXANE, Lot EX_HEXANE_000012	50 mL	HERBCURVE_00015	3000 uL	2,4,5-T	0.12 ug/mL					
							2,4-D	0.12 ug/mL					
							2,4-DB	0.12 ug/mL					
							Dicamba	0.12 ug/mL					
							Dichlorprop	0.12 ug/mL					
							Dinoseb	0.12 ug/mL					
							Silvex (2,4,5-TP)	0.12 ug/mL					
							MCPA	12 ug/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Mecoprop	12 ug/mL
							Dalapon	0.12 ug/mL
							2,4-Dichlorophenylacetic acid	0.9 ug/mL
.HERBCURVE_00015	03/01/14	10/01/13	HEXANE, Lot Ex-hexane_00012	10 mL	HB-STD-STOCK_00002	100 uL	2,4,5-T	2 ug/mL
							2,4-D	2 ug/mL
							2,4-DB	2 ug/mL
							Dicamba	2 ug/mL
							Dichlorprop	2 ug/mL
							Dinoseb	2 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
					HB-STD-STOCK_00005	100 uL	MCPA	200 ug/mL
					HDalaponSTOCK_00002	20 uL	Mecoprop	200 ug/mL
					HSURRDCAA_00010	150 uL	Dalapon	2 ug/mL
							2,4-Dichlorophenylacetic acid	15 ug/mL
..HB-STD-STOCK_00002	03/01/14		Restek, Lot A086927		(Purchased Reagent)		2,4,5-T	200 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dicamba	200 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							Silvex (2,4,5-TP)	200 ug/mL
..HB-STD-STOCK_00005	10/31/14		Restek, Lot A095103		(Purchased Reagent)		MCPA	20000 ug/mL
							Mecoprop	20000 ug/mL
..HDalaponSTOCK_00002	06/30/14		Restek, Lot A092450		(Purchased Reagent)		Dalapon	1000 ug/mL
..HSURRDCAA_00010	09/30/14		RESTEK, Lot A093820		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL
HERBCURVE5_00013	03/01/14	10/01/13	HEXANE, Lot EX_HEXANE_000012	25 mL	HERBCURVE_00015	2000 uL	2,4,5-T	0.16 ug/mL
							2,4-D	0.16 ug/mL
							2,4-DB	0.16 ug/mL
							Dicamba	0.16 ug/mL
							Dichlorprop	0.16 ug/mL
							Dinoseb	0.16 ug/mL
							Silvex (2,4,5-TP)	0.16 ug/mL
							MCPA	16 ug/mL
							Mecoprop	16 ug/mL
							Dalapon	0.16 ug/mL
							2,4-Dichlorophenylacetic acid	1.2 ug/mL
.HERBCURVE_00015	03/01/14	10/01/13	HEXANE, Lot Ex-hexane_00012	10 mL	HB-STD-STOCK_00002	100 uL	2,4,5-T	2 ug/mL
							2,4-D	2 ug/mL
							2,4-DB	2 ug/mL
							Dicamba	2 ug/mL
							Dichlorprop	2 ug/mL
							Dinoseb	2 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
					HB-STD-STOCK_00005	100 uL	MCPA	200 ug/mL
							Mecoprop	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HDalaponSTOCK_00002	20 uL	Dalapon	2 ug/mL
					HSURRDCAA_00010	150 uL	2,4-Dichlorophenylacetic acid	15 ug/mL
..HB-STD-STOCK_00002	03/01/14		Restek, Lot A086927		(Purchased Reagent)		2,4,5-T	200 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dicamba	200 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							Silvex (2,4,5-TP)	200 ug/mL
..HB-STD-STOCK_00005	10/31/14		Restek, Lot A095103		(Purchased Reagent)		MCPA	20000 ug/mL
							Mecoprop	20000 ug/mL
..HDalaponSTOCK_00002	06/30/14		Restek, Lot A092450		(Purchased Reagent)		Dalapon	1000 ug/mL
..HSURRDCAA_00010	09/30/14		RESTEK, Lot A093820		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL
HERBCURVE6_00013	03/01/14	10/01/13	HEXANE, Lot EX_HEXANE_00012	25 mL	HERBCURVE_00015	2500 uL	2,4,5-T	0.2 ug/mL
							2,4-D	0.2 ug/mL
							2,4-DB	0.2 ug/mL
							Dicamba	0.2 ug/mL
							Dichlorprop	0.2 ug/mL
							Dinoseb	0.2 ug/mL
							Silvex (2,4,5-TP)	0.2 ug/mL
							MCPA	20 ug/mL
							Mecoprop	20 ug/mL
							Dalapon	0.2 ug/mL
							2,4-Dichlorophenylacetic acid	1.5 ug/mL
.HERBCURVE_00015	03/01/14	10/01/13	HEXANE, Lot Ex-hexane_00012	10 mL	HB-STD-STOCK_00002	100 uL	2,4,5-T	2 ug/mL
							2,4-D	2 ug/mL
							2,4-DB	2 ug/mL
							Dicamba	2 ug/mL
							Dichlorprop	2 ug/mL
							Dinoseb	2 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
					HB-STD-STOCK_00005	100 uL	MCPA	200 ug/mL
							Mecoprop	200 ug/mL
					HDalaponSTOCK_00002	20 uL	Dalapon	2 ug/mL
					HSURRDCAA_00010	150 uL	2,4-Dichlorophenylacetic acid	15 ug/mL
..HB-STD-STOCK_00002	03/01/14		Restek, Lot A086927		(Purchased Reagent)		2,4,5-T	200 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dicamba	200 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	200 ug/mL
							Silvex (2,4,5-TP)	200 ug/mL
..HB-STD-STOCK_00005	10/31/14		Restek, Lot A095103		(Purchased Reagent)		MCPA	20000 ug/mL
							Mecoprop	20000 ug/mL
..HDalaponSTOCK_00002	06/30/14		Restek, Lot A092450		(Purchased Reagent)		Dalapon	1000 ug/mL
..HSURRDCAA_00010	09/30/14		RESTEK, Lot A093820		(Purchased Reagent)		2,4-Dichlorophenylacetic acid	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
HERBICV_00013	06/10/14	12/10/13	HEXANE, Lot 000049391	25 mL	HERBICVINT_00012	1.5 mL	Dalapon	0.12 ug/mL							
							MCPA	12 ug/mL							
							Mecoprop	12 ug/mL							
							2,4,5-T	0.12 ug/mL							
							2,4-D	0.12 ug/mL							
							2,4-DB	0.12 ug/mL							
							Dicamba	0.12 ug/mL							
							Dichlorprop	0.12 ug/mL							
.HERBICVINT_00012	06/10/14	12/10/13	HEXANE, Lot 000049391	25 mL	Dalapon_ICV_00001	50 uL	Dalapon	2 ug/mL							
							HB-STD-ICV_00001	250 uL	MCPA	200 ug/mL					
							HB-STD-STOCK_00003	250 uL	Mecoprop	200 ug/mL					
									2,4,5-T	2 ug/mL					
									2,4-D	2 ug/mL					
									2,4-DB	2 ug/mL					
									Dicamba	2 ug/mL					
									Dichlorprop	2 ug/mL					
..Dalapon_ICV_00001	09/30/14		Restek, Lot A094424		(Purchased Reagent)		Dinoseb	2 ug/mL							
							Silvex (2,4,5-TP)	2 ug/mL							
							Dalapon	1000 ug/mL							
							..HB-STD-ICV_00001	10/31/14		Restek, Lot A094766		(Purchased Reagent)		MCPA	20000 ug/mL
														Mecoprop	20000 ug/mL
							..HB-STD-STOCK_00003	03/01/15		Restek, Lot A094379		(Purchased Reagent)		2,4,5-T	200 ug/mL
														2,4-D	200 ug/mL
														2,4-DB	200 ug/mL
Dicamba	200 ug/mL														
Dichlorprop	200 ug/mL														
Dinoseb	200 ug/mL														
Silvex (2,4,5-TP)	200 ug/mL														
ICV/LCS_00026	01/31/14	11/05/13	DI WATER, Lot NONE	200 mL	WETSIC_ICV_00003	4 mL								Chloride	20 mg/L
					WETSICISO4_00008	4 mL	Sulfate	20 mg/L							
					(Purchased Reagent)		Chloride	1000 mg/L							
.WETSIC_ICV_00003	04/30/15		ACCUSTD, Lot 213045104		(Purchased Reagent)		Sulfate	1000 mg/L							
.WETSICISO4_00008	04/30/14		ACCUSTANDARD, Lot 212045034		(Purchased Reagent)			1000 mg/L							
MER01213HS_00001	05/30/15	12/09/13	DI WATER, Lot n/a	2000 mL	MERNACL_00005	240 g	Stock Chemical	0 ug/mL							
					MERNH2OH_00011	240 g	Stock Chemical	0 ug/mL							
					(Purchased Reagent)		Stock Chemical	0 %							
					(Purchased Reagent)		Stock Chemical	0 %							
MER1113PP_00001	08/01/17	11/18/13	DI WATER, Lot n/a	2000 mL	MERK2S2O8_00005	100 g	Stock Chemical	0 ug/mL							
					(Purchased Reagent)		Stock Chemical	0 %							
MER1213KM_00001	09/21/15	12/09/13	DI WATER, Lot n/a	2000 mL	MERKMNO4_00005	100 g	Stock Chemical	0 ug/mL							
					(Purchased Reagent)		Stock Chemical	0 g							
MER1213S1_00011	12/24/13	12/23/13	DI WATER, Lot n/a	100 mL	MER1213I1_00004	1 mL	Mercury	100 ug/L							
					MER1213I1_00004	100 uL	Mercury	10000 ug/L							
					MERSTOCK_00016	100 uL	Mercury	10000 mg/L							
..MERSTOCK_00016	02/08/15		CPI, Lot 12F126		(Purchased Reagent)										

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MER1213S2_00011	12/24/13	12/23/13	DI WATER, Lot n/a	100 mL	MER1213I2_00004	1 mL	Mercury	100 ug/L
							Stock Chemical	0 ug/L
					METHNO3_00026	1 mL	Stock Chemical	0 ug/L
.MER1213I2_00004	12/30/13	12/23/13	DI WATER, Lot n/a	100 mL	MERSTOCK_00015	1 mL	Mercury	10000 ug/L
					METHNO3_00031	1 mL	Stock Chemical	0 ug/L
..MERSTOCK_00015	09/01/14	Inorganics Ventures, Lot F2-HG02105			(Purchased Reagent)		Mercury	1000 mg/L
..METHNO3_00031	07/25/17	Macron, Lot K50029			(Purchased Reagent)		Stock Chemical	0 mL
.METHNO3_00026	12/11/16	Mallinkrodt, Lot K35026			(Purchased Reagent)		Stock Chemical	0 mL
MERSUL_00034	07/25/17	J.T. Baker, Lot 0000036761			(Purchased Reagent)		Stock Chemical	0 mL
MET1213CCV_00006	04/01/14	12/24/13	DI WATER, Lot NA	500 mL	ICPCAL2A_00011	2.5 mL	Aluminum	2.5 mg/L
							Arsenic	0.5 mg/L
							Barium	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	12.5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Lead	0.5 mg/L
							Magnesium	5 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Silver	0.25 mg/L
							Sodium	20 mg/L
							Zinc	0.5 mg/L
					ICPCAL2B_00011	2.5 mL	Molybdenum	0.5 mg/L
					METK_00006	375 uL	Potassium	20 mg/L
					METNA_00006	375 uL	Sodium	20 mg/L
.ICPCAL2A_00011	08/01/14	INORG VENTURES, Lot G2-MEB482135			(Purchased Reagent)		Aluminum	500 ug/mL
							Arsenic	100 ug/mL
							Barium	100 ug/mL
							Cadmium	100 ug/mL
							Calcium	2500 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Iron	500 ug/mL
							Lead	100 ug/mL
							Magnesium	1000 ug/mL
							Manganese	100 ug/mL
							Nickel	100 ug/mL
							Potassium	2500 ug/mL
							Selenium	100 ug/mL
							Silver	50 ug/mL
							Sodium	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ICPCAL2B_00011	08/01/14		INORG VENTURES, Lot G2-MEB482136		(Purchased Reagent)		Zinc	100 ug/mL
.METK_00006	04/01/14		INORG VENTURES, Lot F2-K03029		(Purchased Reagent)		Molybdenum	100 ug/mL
.METNA_00006	04/01/14		INORG VENTURES, Lot F2-NA03103		(Purchased Reagent)		Potassium	10000 ug/mL
					(Purchased Reagent)		Sodium	10000 ug/mL
METCALA_00015	11/20/14		ENVIRONMENTAL EXPRESS, Lot 1313318		(Purchased Reagent)		Aluminum	2000 ug/mL
							Arsenic	200 ug/mL
							B	200 ug/mL
							Barium	200 ug/mL
							Be	100 ug/mL
							Cadmium	100 ug/mL
							Calcium	2000 ug/mL
							Chromium	200 ug/mL
							Cobalt	200 ug/mL
							Copper	200 ug/mL
							Iron	2000 ug/mL
							Lead	200 ug/mL
							Li	200 ug/mL
							Magnesium	2000 ug/mL
							Manganese	200 ug/mL
							Nickel	200 ug/mL
							Potassium	2000 ug/mL
							Selenium	200 ug/mL
							Sodium	2000 ug/mL
							Sr	100 ug/mL
							V	200 ug/mL
							Zinc	200 ug/mL
METCALB_00013	11/20/14		ENVIRONMENTAL EXPRESS, Lot 1332214		(Purchased Reagent)		Molybdenum	200 ug/mL
							Sb	200 ug/mL
							Si	200 ug/mL
							Silver	100 ug/mL
							Sn	200 ug/mL
							Ti	200 ug/mL
							Tl	200 ug/mL
METHCL_00057	08/15/17		Macron, Lot 0000053959		(Purchased Reagent)		Stock Chemical	0 mL
METHNO3_00042	07/25/18		Macron, Lot 0000031507		(Purchased Reagent)		Stock Chemical	0 mL
METHNO3_00043	07/25/18		Macron, Lot 0000050049		(Purchased Reagent)		Stock Chemical	0 mL
METISA_00101	06/01/14	12/18/13	DI WATER, Lot NA	500 mL	METICSA_00020	50 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.METICSA_00020	11/01/14		INORG VENTURES, Lot F2-MEB454028		(Purchased Reagent)		Aluminum	5000 ug/mL
							Calcium	5000 ug/mL
							Iron	2000 ug/mL
							Magnesium	5000 ug/mL
METISB_00100	05/15/14	12/18/13	DI WATER, Lot NA	500 mL	METCALA_00014	2.5 mL	Aluminum	510 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	1 mg/L
							B	1 mg/L
							Barium	1 mg/L
							Be	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	510 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	210 mg/L
							Lead	1 mg/L
							Li	1 mg/L
							Magnesium	510 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	10 mg/L
							Selenium	1 mg/L
							Sodium	10 mg/L
							Sr	0.5 mg/L
							V	1 mg/L
							Zinc	1 mg/L
					METCALB_00012	2.5 mL	Molybdenum	1 mg/L
							Sb	1 mg/L
							Si	1 mg/L
							Silver	0.5 mg/L
							Sn	1 mg/L
							Ti	1 mg/L
					METICSA_00020	50 mL	Tl	1 mg/L
							Aluminum	510 mg/L
							Calcium	510 mg/L
							Iron	210 mg/L
					.METCALA_00014	10/21/14	ENVIRONMENTAL EXPRESS, Lot 1328919	(Purchased Reagent)
Arsenic	200 ug/mL							
B	200 ug/mL							
Barium	200 ug/mL							
Be	100 ug/mL							
Cadmium	100 ug/mL							
Calcium	2000 ug/mL							
Chromium	200 ug/mL							
Cobalt	200 ug/mL							
Copper	200 ug/mL							
Iron	2000 ug/mL							
Lead	200 ug/mL							
Li	200 ug/mL							
Magnesium	2000 ug/mL							
Manganese	200 ug/mL							
Nickel	200 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Potassium	2000 ug/mL
							Selenium	200 ug/mL
							Sodium	2000 ug/mL
							Sr	100 ug/mL
							V	200 ug/mL
							Zinc	200 ug/mL
.METCALB_00012	10/21/14		ENVIRONMENTAL EXPRESS, Lot 1328920		(Purchased Reagent)		Molybdenum	200 ug/mL
							Sb	200 ug/mL
							Si	200 ug/mL
							Silver	100 ug/mL
							Sn	200 ug/mL
							Ti	200 ug/mL
							Tl	200 ug/mL
.METICSA_00020	11/01/14		INORG VENTURES, Lot F2-MEB454028		(Purchased Reagent)		Aluminum	5000 ug/mL
							Calcium	5000 ug/mL
							Iron	2000 ug/mL
							Magnesium	5000 ug/mL
PEST ICV_00013	01/05/14	07/05/13	HEXANE, Lot EX-HEXANE-00012	10 mL	PESTICVINT_00010	100 uL	4,4'-DDD	0.02 ug/mL
							4,4'-DDE	0.02 ug/mL
							4,4'-DDT	0.02 ug/mL
							Aldrin	0.02 ug/mL
							alpha-BHC	0.02 ug/mL
							alpha-Chlordane	0.02 ug/mL
							beta-BHC	0.02 ug/mL
							delta-BHC	0.02 ug/mL
							Dieldrin	0.02 ug/mL
							Endosulfan I	0.02 ug/mL
							Endosulfan II	0.02 ug/mL
							Endosulfan sulfate	0.02 ug/mL
							Endrin	0.02 ug/mL
							Endrin aldehyde	0.02 ug/mL
							Endrin ketone	0.02 ug/mL
							gamma-BHC (Lindane)	0.02 ug/mL
							gamma-Chlordane	0.02 ug/mL
							Heptachlor	0.02 ug/mL
							Heptachlor epoxide	0.02 ug/mL
							Methoxychlor	0.02 ug/mL
							DCB Decachlorobiphenyl	0.0008 ug/mL
							Tetrachloro-m-xylene	0.0008 ug/mL
.PESTICVINT_00010	01/05/14	07/05/13	HEXANE, Lot EX-HEXANE-00012	25 mL	PESTMSSRC_00004	50 uL	4,4'-DDD	2 ug/mL
							4,4'-DDE	2 ug/mL
							4,4'-DDT	2 ug/mL
							Aldrin	2 ug/mL
							alpha-BHC	2 ug/mL
							alpha-Chlordane	2 ug/mL
							beta-BHC	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	2 ug/mL
							Dieldrin	2 ug/mL
							Endosulfan I	2 ug/mL
							Endosulfan II	2 ug/mL
							Endosulfan sulfate	2 ug/mL
							Endrin	2 ug/mL
							Endrin aldehyde	2 ug/mL
							Endrin ketone	2 ug/mL
							gamma-BHC (Lindane)	2 ug/mL
							gamma-Chlordane	2 ug/mL
							Heptachlor	2 ug/mL
							Heptachlor epoxide	2 ug/mL
							Methoxychlor	2 ug/mL
..PESTMSSRC_00004	12/08/14		Accustandard, Lot 211121086		PSURRSRC_00008	10 uL	DCB Decachlorobiphenyl	0.08 ug/mL
							Tetrachloro-m-xylene	0.08 ug/mL
							4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
..PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
							DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PESTCAL1_00015	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	25 mL	PESTCALINT_00015	156.5 uL	4,4'-DDD	0.010016 ug/mL
							4,4'-DDE	0.010016 ug/mL
							4,4'-DDT	0.010016 ug/mL
							Aldrin	0.005008 ug/mL
							alpha-BHC	0.005008 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-Chlordane	0.005008 ug/mL
							beta-BHC	0.005008 ug/mL
							delta-BHC	0.005008 ug/mL
							Dieldrin	0.010016 ug/mL
							Endosulfan I	0.005008 ug/mL
							Endosulfan II	0.010016 ug/mL
							Endosulfan sulfate	0.010016 ug/mL
							Endrin	0.010016 ug/mL
							Endrin aldehyde	0.010016 ug/mL
							Endrin ketone	0.010016 ug/mL
							gamma-BHC (Lindane)	0.005008 ug/mL
							gamma-Chlordane	0.005008 ug/mL
							Heptachlor	0.005008 ug/mL
							Heptachlor epoxide	0.005008 ug/mL
							Methoxychlor	0.05008 ug/mL
							DCB Decachlorobiphenyl	0.010016 ug/mL
							Tetrachloro-m-xylene	0.010016 ug/mL
.PESTCALINT_00015	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	10 mL	PSCALSRC_00005	1000 uL	4,4'-DDD	1.6 ug/mL
							4,4'-DDE	1.6 ug/mL
							4,4'-DDT	1.6 ug/mL
							Aldrin	0.8 ug/mL
							alpha-BHC	0.8 ug/mL
							alpha-Chlordane	0.8 ug/mL
							beta-BHC	0.8 ug/mL
							delta-BHC	0.8 ug/mL
							Dieldrin	1.6 ug/mL
							Endosulfan I	0.8 ug/mL
							Endosulfan II	1.6 ug/mL
							Endosulfan sulfate	1.6 ug/mL
							Endrin	1.6 ug/mL
							Endrin aldehyde	1.6 ug/mL
							Endrin ketone	1.6 ug/mL
							gamma-BHC (Lindane)	0.8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-Chlordane	0.8 ug/mL
							Heptachlor	0.8 ug/mL
							Heptachlor epoxide	0.8 ug/mL
							Methoxychlor	8 ug/mL
					PSURRSRC_00008	80 uL	DCB Decachlorobiphenyl	1.6 ug/mL
							Tetrachloro-m-xylene	1.6 ug/mL
..PSCALSRC_00005	06/01/14		Restek, Lot A075213		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PESTCAL2_00013	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	25 mL	PESTCALINT_00015	312.5 uL	4,4'-DDD	0.02 ug/mL
							4,4'-DDE	0.02 ug/mL
							4,4'-DDT	0.02 ug/mL
							Aldrin	0.01 ug/mL
							alpha-BHC	0.01 ug/mL
							alpha-Chlordane	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							delta-BHC	0.01 ug/mL
							Dieldrin	0.02 ug/mL
							Endosulfan I	0.01 ug/mL
							Endosulfan II	0.02 ug/mL
							Endosulfan sulfate	0.02 ug/mL
							Endrin	0.02 ug/mL
							Endrin aldehyde	0.02 ug/mL
							Endrin ketone	0.02 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							gamma-Chlordane	0.01 ug/mL
							Heptachlor	0.01 ug/mL
							Heptachlor epoxide	0.01 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	0.1 ug/mL
							DCB Decachlorobiphenyl	0.02 ug/mL
							Tetrachloro-m-xylene	0.02 ug/mL
.PESTCALINT_00015	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	10 mL	PSCALSRC_00005	1000 uL	4,4'-DDD	1.6 ug/mL
							4,4'-DDE	1.6 ug/mL
							4,4'-DDT	1.6 ug/mL
							Aldrin	0.8 ug/mL
							alpha-BHC	0.8 ug/mL
							alpha-Chlordane	0.8 ug/mL
							beta-BHC	0.8 ug/mL
							delta-BHC	0.8 ug/mL
							Dieldrin	1.6 ug/mL
							Endosulfan I	0.8 ug/mL
							Endosulfan II	1.6 ug/mL
							Endosulfan sulfate	1.6 ug/mL
							Endrin	1.6 ug/mL
							Endrin aldehyde	1.6 ug/mL
							Endrin ketone	1.6 ug/mL
							gamma-BHC (Lindane)	0.8 ug/mL
							gamma-Chlordane	0.8 ug/mL
							Heptachlor	0.8 ug/mL
							Heptachlor epoxide	0.8 ug/mL
							Methoxychlor	8 ug/mL
					PSURRSRC_00008	80 uL	DCB Decachlorobiphenyl	1.6 ug/mL
							Tetrachloro-m-xylene	1.6 ug/mL
..PSCALSRC_00005	06/01/14		Restek, Lot A075213		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
PESTCAL3_00014	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	25 mL	PESTCALINT_00015	625 uL	4,4'-DDD	0.04 ug/mL
							4,4'-DDE	0.04 ug/mL
							4,4'-DDT	0.04 ug/mL
							Aldrin	0.02 ug/mL
							alpha-BHC	0.02 ug/mL
							alpha-Chlordane	0.02 ug/mL
							beta-BHC	0.02 ug/mL
							delta-BHC	0.02 ug/mL
							Dieldrin	0.04 ug/mL
							Endosulfan I	0.02 ug/mL
							Endosulfan II	0.04 ug/mL
							Endosulfan sulfate	0.04 ug/mL
							Endrin	0.04 ug/mL
							Endrin aldehyde	0.04 ug/mL
							Endrin ketone	0.04 ug/mL
							gamma-BHC (Lindane)	0.02 ug/mL
							gamma-Chlordane	0.02 ug/mL
							Heptachlor	0.02 ug/mL
							Heptachlor epoxide	0.02 ug/mL
.PESTCALINT_00015	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	10 mL	PSCALSRC_00005	1000 uL	Methoxychlor	0.2 ug/mL
							DCB Decachlorobiphenyl	0.04 ug/mL
							Tetrachloro-m-xylene	0.04 ug/mL
							4,4'-DDD	1.6 ug/mL
							4,4'-DDE	1.6 ug/mL
							4,4'-DDT	1.6 ug/mL
							Aldrin	0.8 ug/mL
							alpha-BHC	0.8 ug/mL
							alpha-Chlordane	0.8 ug/mL
							beta-BHC	0.8 ug/mL
							delta-BHC	0.8 ug/mL
							Dieldrin	1.6 ug/mL
							Endosulfan I	0.8 ug/mL
							Endosulfan II	1.6 ug/mL
							Endosulfan sulfate	1.6 ug/mL
							Endrin	1.6 ug/mL
							Endrin aldehyde	1.6 ug/mL
							Endrin ketone	1.6 ug/mL
.PSCALSRC_00005	06/01/14		Restek, Lot A075213		(Purchased Reagent)		gamma-BHC (Lindane)	0.8 ug/mL
							gamma-Chlordane	0.8 ug/mL
							Heptachlor	0.8 ug/mL
							Heptachlor epoxide	0.8 ug/mL
							Methoxychlor	8 ug/mL
							DCB Decachlorobiphenyl	1.6 ug/mL
						80 uL	Tetrachloro-m-xylene	1.6 ug/mL
							4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PESTCAL4_00013	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	25 mL	PESTCALINT_00015	1250 uL	4,4'-DDD	0.08 ug/mL
							4,4'-DDE	0.08 ug/mL
							4,4'-DDT	0.08 ug/mL
							Aldrin	0.04 ug/mL
							alpha-BHC	0.04 ug/mL
							alpha-Chlordane	0.04 ug/mL
							beta-BHC	0.04 ug/mL
							delta-BHC	0.04 ug/mL
							Dieldrin	0.08 ug/mL
							Endosulfan I	0.04 ug/mL
							Endosulfan II	0.08 ug/mL
							Endosulfan sulfate	0.08 ug/mL
							Endrin	0.08 ug/mL
							Endrin aldehyde	0.08 ug/mL
							Endrin ketone	0.08 ug/mL
							gamma-BHC (Lindane)	0.04 ug/mL
							gamma-Chlordane	0.04 ug/mL
							Heptachlor	0.04 ug/mL
							Heptachlor epoxide	0.04 ug/mL
							Methoxychlor	0.4 ug/mL
							DCB Decachlorobiphenyl	0.08 ug/mL
							Tetrachloro-m-xylene	0.08 ug/mL
.PESTCALINT_00015	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	10 mL	PSCALSRC_00005	1000 uL	4,4'-DDD	1.6 ug/mL
							4,4'-DDE	1.6 ug/mL
							4,4'-DDT	1.6 ug/mL
							Aldrin	0.8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-BHC	0.8 ug/mL
							alpha-Chlordane	0.8 ug/mL
							beta-BHC	0.8 ug/mL
							delta-BHC	0.8 ug/mL
							Dieldrin	1.6 ug/mL
							Endosulfan I	0.8 ug/mL
							Endosulfan II	1.6 ug/mL
							Endosulfan sulfate	1.6 ug/mL
							Endrin	1.6 ug/mL
							Endrin aldehyde	1.6 ug/mL
							Endrin ketone	1.6 ug/mL
							gamma-BHC (Lindane)	0.8 ug/mL
							gamma-Chlordane	0.8 ug/mL
							Heptachlor	0.8 ug/mL
							Heptachlor epoxide	0.8 ug/mL
..PSCALSRC_00005	06/01/14		Restek, Lot A075213		PSURRSRC_00008	80 uL	Methoxychlor	8 ug/mL
							DCB Decachlorobiphenyl	1.6 ug/mL
							Tetrachloro-m-xylene	1.6 ug/mL
					(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
..PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
							DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PESTCAL5_00013	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	25 mL	PESTCALINT_00015	1875 uL	4,4'-DDD	0.12 ug/mL
							4,4'-DDE	0.12 ug/mL
							4,4'-DDT	0.12 ug/mL
							Aldrin	0.06 ug/mL
							alpha-BHC	0.06 ug/mL
							alpha-Chlordane	0.06 ug/mL
							beta-BHC	0.06 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration	
					Reagent ID	Volume Added			
							delta-BHC	0.06 ug/mL	
							Dieldrin	0.12 ug/mL	
							Endosulfan I	0.06 ug/mL	
							Endosulfan II	0.12 ug/mL	
							Endosulfan sulfate	0.12 ug/mL	
							Endrin	0.12 ug/mL	
							Endrin aldehyde	0.12 ug/mL	
							Endrin ketone	0.12 ug/mL	
							gamma-BHC (Lindane)	0.06 ug/mL	
							gamma-Chlordane	0.06 ug/mL	
							Heptachlor	0.06 ug/mL	
							Heptachlor epoxide	0.06 ug/mL	
							Methoxychlor	0.6 ug/mL	
							DCB Decachlorobiphenyl	0.12 ug/mL	
							Tetrachloro-m-xylene	0.12 ug/mL	
.PESTCALINT_00015	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	10 mL	PSCALSRC_00005	1000 uL	4,4'-DDD	1.6 ug/mL	
							4,4'-DDE	1.6 ug/mL	
							4,4'-DDT	1.6 ug/mL	
							Aldrin	0.8 ug/mL	
							alpha-BHC	0.8 ug/mL	
							alpha-Chlordane	0.8 ug/mL	
							beta-BHC	0.8 ug/mL	
							delta-BHC	0.8 ug/mL	
							Dieldrin	1.6 ug/mL	
							Endosulfan I	0.8 ug/mL	
							Endosulfan II	1.6 ug/mL	
							Endosulfan sulfate	1.6 ug/mL	
							Endrin	1.6 ug/mL	
							Endrin aldehyde	1.6 ug/mL	
							Endrin ketone	1.6 ug/mL	
							gamma-BHC (Lindane)	0.8 ug/mL	
							gamma-Chlordane	0.8 ug/mL	
							Heptachlor	0.8 ug/mL	
							Heptachlor epoxide	0.8 ug/mL	
							Methoxychlor	8 ug/mL	
						PSURRSRC_00008	80 uL	DCB Decachlorobiphenyl	1.6 ug/mL
								Tetrachloro-m-xylene	1.6 ug/mL
..PSCALSRC_00005	06/01/14	Restek, Lot A075213			(Purchased Reagent)		4,4'-DDD	16 ug/mL	
							4,4'-DDE	16 ug/mL	
							4,4'-DDT	16 ug/mL	
							Aldrin	8 ug/mL	
							alpha-BHC	8 ug/mL	
							alpha-Chlordane	8 ug/mL	
							beta-BHC	8 ug/mL	
							delta-BHC	8 ug/mL	
							Dieldrin	16 ug/mL	
							Endosulfan I	8 ug/mL	

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PESTCAL6_00013	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	25 mL	PESTCALINT_00015	2500 uL	4,4'-DDD	0.16 ug/mL
							4,4'-DDE	0.16 ug/mL
							4,4'-DDT	0.16 ug/mL
							Aldrin	0.08 ug/mL
							alpha-BHC	0.08 ug/mL
							alpha-Chlordane	0.08 ug/mL
							beta-BHC	0.08 ug/mL
							delta-BHC	0.08 ug/mL
							Dieldrin	0.16 ug/mL
							Endosulfan I	0.08 ug/mL
							Endosulfan II	0.16 ug/mL
							Endosulfan sulfate	0.16 ug/mL
							Endrin	0.16 ug/mL
							Endrin aldehyde	0.16 ug/mL
							Endrin ketone	0.16 ug/mL
							gamma-BHC (Lindane)	0.08 ug/mL
							gamma-Chlordane	0.08 ug/mL
							Heptachlor	0.08 ug/mL
							Heptachlor epoxide	0.08 ug/mL
							Methoxychlor	0.8 ug/mL
							DCB Decachlorobiphenyl	0.16 ug/mL
							Tetrachloro-m-xylene	0.16 ug/mL
.PESTCALINT_00015	02/16/14	08/16/13	HEXANE, Lot EX_HEXANE_00012	10 mL	PSCALSRC_00005	1000 uL	4,4'-DDD	1.6 ug/mL
							4,4'-DDE	1.6 ug/mL
							4,4'-DDT	1.6 ug/mL
							Aldrin	0.8 ug/mL
							alpha-BHC	0.8 ug/mL
							alpha-Chlordane	0.8 ug/mL
							beta-BHC	0.8 ug/mL
							delta-BHC	0.8 ug/mL
							Dieldrin	1.6 ug/mL
							Endosulfan I	0.8 ug/mL
							Endosulfan II	1.6 ug/mL
							Endosulfan sulfate	1.6 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1.6 ug/mL
							Endrin aldehyde	1.6 ug/mL
							Endrin ketone	1.6 ug/mL
							gamma-BHC (Lindane)	0.8 ug/mL
							gamma-Chlordane	0.8 ug/mL
							Heptachlor	0.8 ug/mL
							Heptachlor epoxide	0.8 ug/mL
							Methoxychlor	8 ug/mL
					PSURRSRC_00008	80 uL	DCB Decachlorobiphenyl	1.6 ug/mL
							Tetrachloro-m-xylene	1.6 ug/mL
..PSCALSRC_00005	06/01/14		Restek, Lot A075213		(Purchased Reagent)		4,4'-DDD	16 ug/mL
							4,4'-DDE	16 ug/mL
							4,4'-DDT	16 ug/mL
							Aldrin	8 ug/mL
							alpha-BHC	8 ug/mL
							alpha-Chlordane	8 ug/mL
							beta-BHC	8 ug/mL
							delta-BHC	8 ug/mL
							Dieldrin	16 ug/mL
							Endosulfan I	8 ug/mL
							Endosulfan II	16 ug/mL
							Endosulfan sulfate	16 ug/mL
							Endrin	16 ug/mL
							Endrin aldehyde	16 ug/mL
							Endrin ketone	16 ug/mL
							gamma-BHC (Lindane)	8 ug/mL
							gamma-Chlordane	8 ug/mL
							Heptachlor	8 ug/mL
							Heptachlor epoxide	8 ug/mL
							Methoxychlor	80 ug/mL
..PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PESTMS_00028	06/10/14	12/10/13	ACETONE, Lot EX-ACETONE-00025	50 mL	PESTMSSRC_00004	25 uL	4,4'-DDD	0.5 ug/mL
							4,4'-DDE	0.5 ug/mL
							4,4'-DDT	0.5 ug/mL
							Aldrin	0.5 ug/mL
							alpha-BHC	0.5 ug/mL
							alpha-Chlordane	0.5 ug/mL
							beta-BHC	0.5 ug/mL
							delta-BHC	0.5 ug/mL
							Dieldrin	0.5 ug/mL
							Endosulfan I	0.5 ug/mL
							Endosulfan II	0.5 ug/mL
							Endosulfan sulfate	0.5 ug/mL
							Endrin	0.5 ug/mL
							Endrin aldehyde	0.5 ug/mL
							Endrin ketone	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	0.5 ug/mL
							gamma-Chlordane	0.5 ug/mL
							Heptachlor	0.5 ug/mL
							Heptachlor epoxide	0.5 ug/mL
							Methoxychlor	0.5 ug/mL
.PESTMSSRC_00004	12/08/14		Accustandard, Lot 211121086		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
PST_IS 2_00048	04/24/14	10/24/13	HEXANE, Lot EX-HEXANE 00012	1 mL	PST_IS_2_00003	50 uL	1-Bromo-2-nitrobenzene	50 ug/mL
.PST_IS 2_00003	10/15/19		Accustandard, Lot 2091101166		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
PST_IS 2_00049	06/05/14	12/05/13	HEXANE, Lot EX-HEXANE 00013	1 mL	PST_IS_2_00003	50 uL	1-Bromo-2-nitrobenzene	50 ug/mL
.PST_IS 2_00003	10/15/19		Accustandard, Lot 2091101166		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
PST_TC cal4_00001	04/25/14	10/25/13	HEXANE, Lot EX HEXANE 00013	1 mL	PST_TC_00012	160 uL	Chlordane (technical)	1.6 ug/mL
.PST_TC_00012	04/25/14	10/25/13	HEXANE, Lot EX HEXANE 00013	10 mL	TCSTDSRC_00002	100 ug/L	Chlordane (technical)	10 ug/mL
.TCSTDSRC_00002	10/01/17		RESTEK, Lot A079154		(Purchased Reagent)		Chlordane (technical)	1000 ug/mL
PSURR_00023	06/05/14	12/05/13	ACETONE, Lot EX ACETONE_25	500 mL	PSURRSRC_00008	500 uL	DCB Decachlorobiphenyl	0.2 ug/mL
.PSURRSRC_00008	12/01/19		RESTEK, Lot A089210		(Purchased Reagent)		Tetrachloro-m-xylene	0.2 ug/mL
							DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
Sulfide Std._00396	01/31/14		Aqua Solutions, Lot 3082050		(Purchased Reagent)		Stock Chemical	0 mg/L
							Sulfide	1000 mg/L
							Sulfide, Reactive	1000 mg/L
SV_8270STD#5_00003	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SV_BEN-BA-LVI_00001	04/02/14	09/26/13	METHYLENE CHLORIDE, Lot 043861	10 mL	SV_BENZ_INT_00001	400 uL	Benzidine	40 ug/mL
					SVBENZOIAC_00010	200 uL	Benzoic acid	40 ug/mL
.SV_BENZ_INT_00001	04/02/14	04/02/13	METHYLENE CHLORIDE, Lot 000035509	10 mL	SV_BENZSTOCK_00003	1 mL	Benzidine	1000 ug/mL
..SV_BENZSTOCK_00003	04/02/14	04/02/13	METHYLENE CHLORIDE, Lot 000035509	10 mL	SV_BenzNeat_00001	0.1 g	Benzidine	10000 ug/mL
...SV_BenzNeat_00001	05/30/14		Chem Service, Lot 1387800		(Purchased Reagent)		Benzidine	1 g/g
.SVBENZOIAC_00010	12/31/16		RESTEK, Lot A092445		(Purchased Reagent)		Benzoic acid	2000 ug/mL
SV_BENZ_INT_00001	04/02/14	04/02/13	METHYLENE CHLORIDE, Lot 000035509	10 mL	SV_BENZSTOCK_00003	1 mL	Benzidine	1000 ug/mL
.SV_BENZSTOCK_00003	04/02/14	04/02/13	METHYLENE CHLORIDE, Lot 000035509	10 mL	SV_BenzNeat_00001	0.1 g	Benzidine	10000 ug/mL
..SV_BenzNeat_00001	05/30/14		Chem Service, Lot 1387800		(Purchased Reagent)		Benzidine	1 g/g
SV_LL_LCS_00046	04/02/14	09/25/13	Methanol, Lot 13030178	250 mL	SV_12DNB_00004	250 uL	1,2-Dinitrobenzene	10 ug/mL
					SV_14DNB_00004	250 uL	1,4-Dinitrobenzene	10 ug/mL
					SV_26DMP_INT_00008	250 uL	2,6-Dimethylphenol	10 ug/mL
					SV_8270STD#1_00003	2500 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	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
							Benzyl alcohol	10 ug/mL
							bis (2-Chloroisopropyl) ether	10 ug/mL
							Bis (2-chloroethoxy)methane	10 ug/mL
							Bis (2-chloroethyl) ether	10 ug/mL
							Bis (2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz (a,h) anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Diphenylamine	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
					SV_8270STD#2_00002	1250 uL	3,3'-Dichlorobenzidine	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SV 8270STD#3_00002	2500 uL	Caprolactam	10 ug/mL
					SV 8270STD#5_00002	1250 uL	Benzoic acid	20 ug/mL
					SV_BENZSTOCK_00003	1000 uL	N-Nitrosodiphenylamine	10 ug/mL
							Benzidine	50 ug/mL
.SV_12DNB_00004	09/25/14	09/25/13	METHYLENE CHLORIDE, Lot 012461	10 mL	SV_12DNB_N_00001	0.1 g	1,2-Dinitrobenzene	10000 ug/mL
..SV 12DNB N 00001	07/31/17		Chem Service, Lot 472-8B		(Purchased Reagent)		1,2-Dinitrobenzene	1 g/g
.SV_14DNB_00004	09/25/14	09/25/13	METHYLENE CHLORIDE, Lot 012461	10 mL	SV_14DNB_N_00001	0.1 g	1,4-Dinitrobenzene	10000 ug/mL
..SV 14DNB N 00001	07/31/16		Chem Service, Lot 467-91A		(Purchased Reagent)		1,4-Dinitrobenzene	1 g/g
.SV_26DMP_INT_00008	04/09/14	04/09/13	METHYLENE CHLORIDE, Lot EX-METHY-CHLO 074	10 mL	SV_26-DMPH_00007	0.1 g	2,6-Dimethylphenol	10000 ug/mL
..SV 26-DMPH 00007	02/28/15		CHEMSERVICE, Lot 457-61A		(Purchased Reagent)		2,6-Dimethylphenol	1 g/g
.SV_8270STD#1_00003	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-Chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.SV_8270STD#2_00002	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzydine	2000 ug/mL
							Caprolactam	2000 ug/mL
.SV_8270STD#3_00002	02/28/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.SV_8270STD#5_00002	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SV_BENZSTOCK_00003	04/02/14	04/02/13	METHYLENE CHLORIDE, Lot 000035509	10 mL	SV_BenzNeat_00001	0.1 g	Benzidine	10000 ug/mL
..SV_BenzNeat_00001	05/30/14		Chem Service, Lot 1387800		(Purchased Reagent)		Benzidine	1 g/g
SV_LL_SURRE_00005	03/26/14	09/26/13	Methanol, Lot 13020449	500 mL	SV_8270SURRE_00003	1000 uL	2,4,6-Tribromophenol	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol	10 ug/mL
							Nitrobenzene-d5	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14	10 ug/mL
.SV_8270SURRE_00003	02/28/18		RESTEK, Lot A093638			(Purchased Reagent)	2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
SV_LVIICAL_st_00003	01/23/14	08/19/13	METHYLENE CHLORIDE, Lot 0000049767	5 mL	SV_ICALStock_00028	1 mL	1,2-Dinitrobenzene	40 ug/mL
							1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							bis (2-Chloroisopropyl) ether	40 ug/mL
							Bis (2-chloroethoxy)methane	40 ug/mL
							Bis (2-chloroethyl) ether	40 ug/mL
							Bis (2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz (a,h) anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Diphenylamine	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Caprolactam	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Tribromophenol	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14	40 ug/mL
.SV_ICALStock_00028	01/23/14	07/23/13	METHYLENE CHLORIDE, Lot 0000047459	5 mL	SV_12DNB_00003	100 uL	1,2-Dinitrobenzene	200 ug/mL
					SV_8270STD#1_00003	1000 uL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-Chloroisopropyl) ether	200 ug/mL
							Bis (2-chloroethoxy)methane	200 ug/mL
							Bis (2-chloroethyl) ether	200 ug/mL
							Bis (2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz (a,h) anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Diphenylamine	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					SV_8270STD#2_00002	500 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SV_8270STD#5_00002	500 uL	N-Nitrosodiphenylamine	200 ug/mL
					SV_8270SURR_00002	200 uL	2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14	200 ug/mL
..SV_12DNB_00003	01/25/14	01/25/13	METHYLENE CHLORIDE, Lot 012461	10 mL	SV_12DNB_N_00001	0.1 g	1,2-Dinitrobenzene	10000 ug/mL
...SV_12DNB_N_00001	07/31/17		Chem Service, Lot 472-8B		(Purchased Reagent)		1,2-Dinitrobenzene	1 g/g
..SV_8270STD#1_00003	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-Chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy) methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SV_8270STD#2_00002	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SV_8270STD#5_00002	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SV_8270SURR_00002	02/28/18		RESTEK, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
SV_LVIICAL_st_00004	04/09/14	12/18/13	METHYLENE CHLORIDE, Lot 0000049767	5 mL	SV_ICALStock_00029	1 mL	1,1'-Biphenyl	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							bis (2-Chloroisopropyl) ether	40 ug/mL
							Bis (2-chloroethoxy)methane	40 ug/mL
							Bis (2-chloroethyl) ether	40 ug/mL
							Bis (2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz (a,h) anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Diphenylamine	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Caprolactam	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							2,4,6-Tribromophenol	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Phenol-d5 (Surr)	40 ug/mL
							Terphenyl-d14	40 ug/mL
.SV_ICALStock_00029	04/09/14	11/20/13	METHYLENE CHLORIDE, Lot 0000053132	5 mL	SV_8270STD#1_00004	1000 uL	1,2-Dinitrobenzene	40 ug/mL
							1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							bis (2-Chloroisopropyl) ether	200 ug/mL
							Bis (2-chloroethoxy)methane	200 ug/mL
							Bis (2-chloroethyl) ether	200 ug/mL
							Bis (2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz (a,h) anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Diphenylamine	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					SV_8270STD#2_00002	500 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Caprolactam	200 ug/mL
					SV_8270STD#5_00002	500 uL	N-Nitrosodiphenylamine	200 ug/mL
					SV_8270SURR_00003	200 uL	2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
..SV_8270STD#1_00004	08/31/14		Restek, Lot A093709				Terphenyl-d14	200 ug/mL
							SV12DNBENZ_00012	1000 uL
							1,2-Dinitrobenzene	200 ug/mL
							(Purchased Reagent)	
							1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-Chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy) methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SV_8270STD#2_00002	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..SV_8270STD#5_00002	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
..SV_8270SURR_00003	02/28/18		RESTEK, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..SV12DNBENZ_00012	04/28/14		SpexCertiprep, Lot C1110429004		(Purchased Reagent)		1,2-Dinitrobenzene	1000 ug/mL
SV_SIM_IntStd_00014	09/25/14	09/25/13	METHYLENE CHLORIDE, Lot 043861	10 ug/mL	SV_8270ISTD_00003	2000 uL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
.SV_8270ISTD_00003	12/31/17		Restek, Lot A092546		(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
TDSILCS_00069	06/24/14	12/24/13	DI WATER, Lot N/A	2 L	WETDSODCHL_00003	3.6 g	Total Dissolved Solids	1800 mg/L
.WETDSODCHL_00003	03/11/15		Mallinckrodt, Lot J04609		(Purchased Reagent)		Total Dissolved Solids	100 %
VOALCSGASPT_00040	12/30/13	12/23/13	Methanol, Lot V081313A	1 mL	VOARGASLCS_00001	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGASLCS_00001	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOALCSPT_00020	01/06/14	12/23/13	Methanol, Lot V081313A	1 mL	VOARKETONLCS_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMixLcs_00001	25 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromodichloromethane	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
							Chloroform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

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	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VOARVALCS_00003	25 uL	Vinyl acetate	100 ug/mL
.VOARKETONLCS_00001	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.VOARMegMixLcs_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							o-Xylene	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARVALCS_00003	05/31/14		Restek, Lot A098982		(Purchased Reagent)		Xylenes, Total	4000 ug/mL
							Vinyl acetate	4000 ug/mL
VOARIST_00002	02/28/18		Restek, Lot A093504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
VOASS50PPM_00147	01/06/14	12/23/13	Methanol, Lot V081313A	1 mL	VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VOASTDGASPT_00037	12/09/13	12/02/13	Methanol, Lot V081313A	1 mL	VOARGAS_00001	25 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
.VOARGAS_00001	12/31/14		Restek, Lot A092242		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOASTDGASPT_00040	12/30/13	12/23/13	Methanol, Lot V081313A	1 mL	VOARGAS_00002	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOASTDPT_00020	12/09/13	11/25/13	Methanol, Lot V081313A	1 mL	VOAR2CEVE_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARAcrolein_00006	50 uL	Acrolein	250 ug/mL
					VOARADDCOM_00002	25 uL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Acetonitrile	500 ug/mL
							Benzyl chloride	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethanol	2500 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					VOARCYCHONE_00001	125 uL	Cyclohexanone	2500 ug/mL
					VOARKETON_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMix_00002	25 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
							1,4-Dioxane	1000 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
							Bromodichloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	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
							Dibromochloromethane	50 ug/mL
							Dibromomethane	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-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	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		
					VOARNR2_00001	25 uL	2-Methylnaphthalene	50 ug/mL
					VOARSS_00002	20 uL	Pentachloroethane	50 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
					VOARVA_00001	25 uL	Toluene-d8 (Surr)	50 ug/mL
							Vinyl acetate	100 ug/mL
.VOAR2CEVE_00001	12/31/15	Restek, Lot A092294			(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARAcrolein_00006	01/31/14		Restek, Lot A098249		(Purchased Reagent)		Acrolein	5000 ug/mL
.VOARADDCOM_00002	08/31/14		Restek, Lot A093634		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethanol	100000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butyl acetate	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.VOARCYCHONE_00001	12/31/15		Restek, Lot A092211		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
.VOARKETON_00001	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.VOARMegMix_00002	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.VOARNR2_00001	02/28/15		Restek, Lot A093359		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		Pentachloroethane	2000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
.VOARVA_00001	06/30/14		Restek, Lot A092212		(Purchased Reagent)		Toluene-d8 (Surr)	2500 ug/mL
							Vinyl acetate	4000 ug/mL
VOASTDPT_00022	01/06/14	12/23/13	Methanol, Lot V081313A	1 mL	VOARKETON_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMix_00002	25 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromodichloromethane	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
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					VOARVA_00001	25 uL	Vinyl acetate	100 ug/mL
.VOARKETON_00001	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.VOARMegMix_00002	02/29/16	Restek, Lot A093581			(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							o-Xylene	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
.VOARSS_00002	02/28/18	Restek, Lot A093505			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.VOARVA_00001	06/30/14	Restek, Lot A092212			(Purchased Reagent)		Vinyl acetate	4000 ug/mL
WETRCYANID_00029	01/31/14	RICCA, Lot 1308734			(Purchased Reagent)		Cyanide, Amenable	1000 mg/L
							Cyanide, Reactive	1000 mg/L
							Cyanide, Total	1000 mg/L
							Cyanide, Weak Acid Dissociable	1000 mg/L
WETRP7BUF_00020	01/31/14	RICCA, Lot 1202171			(Purchased Reagent)		pH	7 SU
WETRPXYLEN_00010	10/30/18	AQUA SOLN, Lot 315513			(Purchased Reagent)		Flashpoint	81 Degrees F
WETSICNO3_00010	02/01/14	INORGANIC VENTURES, Lot F2-NOXO2101			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L
WETSICINO3_00009	02/28/14	ACCUSTANDARD, Lot 212025030			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L
WETSNACO3L_00020	03/30/14	Aqua Solutions, Lot 3060701			(Purchased Reagent)		Alkalinity	1000 mg/L

8260B_LL

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
BlancoSouth-MW13-1 2182013	600-84456-1	115	120	110	119
BlancoSouth-EquBla nk03-12182013	600-84456-2	102	106	105	112
BlancoSouth-MW15-1 2182013	600-84456-3	103	110	98	108
BlancoSouth-IDW-12 182013	600-84456-4	100	104	99	104
BlancoSouth-MW08-1 2182013	600-84456-5	112	121	105	112
BlancoSouth-MW12-1 2182013	600-84456-11	110	123	93	102
BlancoSouth-EquBla nk02-12182013	600-84456-12	116	131	99	107
	MB 600-123637/4	109	123	97	105
	MB 600-123757/3	103	105	108	114
	LCS 600-123637/3	112	117	97	110
	LCS 600-123757/4	113	107	113	123
BlancoSouth-MW12-1 2182013 MS	600-84456-11 MS	117	122	92	104
BlancoSouth-MW12-1 2182013 MSD	600-84456-11 MSD	114	121	91	104

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C35802.D
 Lab ID: LCS 600-123637/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	20.0	23.83	119	28-152	
Benzene	10.0	9.962	100	69-131	
Chlorobromomethane	10.0	10.37	104	60-141	
Bromoform	10.0	11.41	114	39-149	
Bromomethane	10.0	7.508	75	52-146	
2-Butanone (MEK)	20.0	22.54	113	59-133	
Carbon disulfide	10.0	10.02	100	32-177	
Carbon tetrachloride	10.0	9.981	100	59-147	
Dibromochloromethane	10.0	10.65	106	58-132	
Chlorobenzene	10.0	9.377	94	60-136	
Chloroethane	10.0	9.030	90	56-144	
Chloroform	10.0	10.36	104	69-128	
Chloromethane	10.0	4.759	48	32-151	
1,1-Dichloroethane	10.0	9.982	100	66-126	
1,2-Dichloroethane	10.0	10.84	108	66-140	
1,1-Dichloroethene	10.0	9.271	93	59-145	
trans-1,2-Dichloroethene	10.0	9.027	90	70-132	
1,2-Dichloropropane	10.0	10.47	105	72-125	
cis-1,3-Dichloropropene	10.0	9.983	100	60-135	
trans-1,3-Dichloropropene	10.0	10.03	100	63-133	
Ethylbenzene	10.0	8.975	90	68-128	
2-Hexanone	20.0	21.69	108	51-130	
Methylene Chloride	10.0	11.06	111	62-134	
4-Methyl-2-pentanone (MIBK)	20.0	21.87	109	56-142	
Styrene	10.0	9.298	93	68-133	
1,1,2,2-Tetrachloroethane	10.0	11.68	117	68-134	
Tetrachloroethene	10.0	9.005	90	61-142	
Toluene	10.0	9.259	93	67-130	
1,1,1-Trichloroethane	10.0	9.877	99	65-142	
1,1,2-Trichloroethane	10.0	10.57	106	68-130	
Trichloroethene	10.0	9.362	94	68-130	
Vinyl acetate	20.0	18.52	93	58-175	
Vinyl chloride	10.0	6.599	66	47-146	
o-Xylene	10.0	9.380	94	68-134	
m-Xylene & p-Xylene	10.0	8.764	88	67-132	
Xylenes, Total	20.0	18.14	91	68-132	
cis-1,2-Dichloroethene	10.0	10.10	101	69-129	
Bromodichloromethane	10.0	11.12	111	73-130	
1,2-Dichloroethene, Total	20.0	19.13	96	65-127	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C36006.D
 Lab ID: LCS 600-123757/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	20.0	14.84	74	28-152	
Benzene	10.0	9.785	98	69-131	
Chlorobromomethane	10.0	8.811	88	60-141	
Bromoform	10.0	9.204	92	39-149	
Bromomethane	10.0	9.261	93	52-146	
2-Butanone (MEK)	20.0	16.94	85	59-133	
Carbon disulfide	10.0	10.20	102	32-177	
Carbon tetrachloride	10.0	10.40	104	59-147	
Dibromochloromethane	10.0	8.745	87	58-132	
Chlorobenzene	10.0	9.337	93	60-136	
Chloroethane	10.0	11.38	114	56-144	
Chloroform	10.0	9.577	96	69-128	
Chloromethane	10.0	10.05	100	32-151	
1,1-Dichloroethane	10.0	9.890	99	66-126	
1,2-Dichloroethane	10.0	8.853	89	66-140	
1,1-Dichloroethene	10.0	9.511	95	59-145	
trans-1,2-Dichloroethene	10.0	9.548	95	70-132	
1,2-Dichloropropane	10.0	9.152	92	72-125	
cis-1,3-Dichloropropene	10.0	8.828	88	60-135	
trans-1,3-Dichloropropene	10.0	8.456	85	63-133	
Ethylbenzene	10.0	9.803	98	68-128	
2-Hexanone	20.0	13.54	68	51-130	
Methylene Chloride	10.0	11.81	118	62-134	
4-Methyl-2-pentanone (MIBK)	20.0	14.08	70	56-142	
Styrene	10.0	8.910	89	68-133	
1,1,2,2-Tetrachloroethane	10.0	7.912	79	68-134	
Tetrachloroethene	10.0	10.07	101	61-142	
Toluene	10.0	9.860	99	67-130	
1,1,1-Trichloroethane	10.0	9.970	100	65-142	
1,1,2-Trichloroethane	10.0	8.456	85	68-130	
Trichloroethene	10.0	9.568	96	68-130	
Vinyl acetate	20.0	12.97	65	58-175	
Vinyl chloride	10.0	10.88	109	47-146	
o-Xylene	10.0	9.484	95	68-134	
m-Xylene & p-Xylene	10.0	9.517	95	67-132	
Xylenes, Total	20.0	19.00	95	68-132	
cis-1,2-Dichloroethene	10.0	9.576	96	69-129	
Bromodichloromethane	10.0	9.232	92	73-130	
1,2-Dichloroethene, Total	20.0	19.12	96	65-127	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C35808.D
 Lab ID: 600-84456-11 MS Client ID: BlancoSouth-MW12-12182013 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	20.0	1.50 J	26.21	124	60-140	
Benzene	10.0	0.0800 U	10.38	104	65-125	
Chlorobromomethane	10.0	0.180 U	11.09	111	60-140	
Bromoform	10.0	0.190 U	11.40	114	60-140	
Bromomethane	10.0	0.250 U	5.995	60	60-140	
2-Butanone (MEK)	20.0	0.760 U	25.58	128	60-140	
Carbon disulfide	10.0	0.240 U	10.49	105	60-140	
Carbon tetrachloride	10.0	0.150 U	10.76	108	60-140	
Dibromochloromethane	10.0	0.150 U	10.80	108	60-140	
Chlorobenzene	10.0	0.120 U	9.615	96	72-122	
Chloroethane	10.0	0.0800 U	8.368	84	60-140	
Chloroform	10.0	0.225 J	11.55	113	60-140	
Chloromethane	10.0	0.180 U	4.244	42	60-140	F
1,1-Dichloroethane	10.0	2.53	13.40	109	60-140	
1,2-Dichloroethane	10.0	0.140 U	11.68	117	60-140	
1,1-Dichloroethene	10.0	0.190 U	9.799	98	22-143	
trans-1,2-Dichloroethene	10.0	0.384 J	9.950	96	60-140	
1,2-Dichloropropane	10.0	0.160 U	10.84	108	60-140	
cis-1,3-Dichloropropene	10.0	0.180 U	9.861	99	60-140	
trans-1,3-Dichloropropene	10.0	0.210 U	9.790	98	60-140	
Ethylbenzene	10.0	0.110 U	9.158	92	60-140	
2-Hexanone	20.0	0.350 U	22.19	111	60-140	
Methylene Chloride	10.0	0.150 U	11.73	117	60-140	
4-Methyl-2-pentanone (MIBK)	20.0	0.450 U	23.66	118	60-140	
Styrene	10.0	0.0700 U	9.354	94	60-140	
1,1,2,2-Tetrachloroethane	10.0	0.220 U	11.60	116	60-140	
Tetrachloroethene	10.0	1.50	10.72	92	60-140	
Toluene	10.0	0.150 U	9.606	96	76-125	
1,1,1-Trichloroethane	10.0	0.150 U	10.44	104	60-140	
1,1,2-Trichloroethane	10.0	0.280 U	10.84	108	60-140	
Trichloroethene	10.0	1.93	11.97	100	56-118	
Vinyl acetate	20.0	0.210 U	19.20	96	60-140	
Vinyl chloride	10.0	0.110 U	6.362	64	60-140	
o-Xylene	10.0	0.120 U	9.639	96	60-140	
m-Xylene & p-Xylene	10.0	0.170 U	9.013	90	60-140	
Xylenes, Total	20.0	0.260 U	18.65	93	60-140	
cis-1,2-Dichloroethene	10.0	3.77	15.38	116	60-140	
Bromodichloromethane	10.0	0.160 U	12.08	121	60-140	
1,2-Dichloroethene, Total	20.0	4.15	25.33	106	60-140	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C35809.D
Lab ID: 600-84456-11 MSD Client ID: BlancoSouth-MW12-12182013 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acetone	20.0	25.85	122	1	30	60-140	
Benzene	10.0	9.458	95	9	30	65-125	
Chlorobromomethane	10.0	10.30	103	7	30	60-140	
Bromoform	10.0	10.79	108	5	30	60-140	
Bromomethane	10.0	5.622	56	6	30	60-140	F
2-Butanone (MEK)	20.0	24.29	121	5	30	60-140	
Carbon disulfide	10.0	9.531	95	10	30	60-140	
Carbon tetrachloride	10.0	9.552	96	12	30	60-140	
Dibromochloromethane	10.0	10.19	102	6	30	60-140	
Chlorobenzene	10.0	8.873	89	8	30	72-122	
Chloroethane	10.0	8.222	82	2	30	60-140	
Chloroform	10.0	10.47	102	10	30	60-140	
Chloromethane	10.0	4.329	43	2	30	60-140	F
1,1-Dichloroethane	10.0	12.47	99	7	30	60-140	
1,2-Dichloroethane	10.0	11.09	111	5	30	60-140	
1,1-Dichloroethene	10.0	8.929	89	9	30	22-143	
trans-1,2-Dichloroethene	10.0	9.253	89	7	30	60-140	
1,2-Dichloropropane	10.0	10.10	101	7	30	60-140	
cis-1,3-Dichloropropene	10.0	9.383	94	5	30	60-140	
trans-1,3-Dichloropropene	10.0	9.520	95	3	30	60-140	
Ethylbenzene	10.0	8.321	83	10	30	60-140	
2-Hexanone	20.0	23.16	116	4	30	60-140	
Methylene Chloride	10.0	11.08	111	6	30	60-140	
4-Methyl-2-pentanone (MIBK)	20.0	23.38	117	1	30	60-140	
Styrene	10.0	8.704	87	7	30	60-140	
1,1,2,2-Tetrachloroethane	10.0	11.44	114	1	30	60-140	
Tetrachloroethene	10.0	9.773	83	9	30	60-140	
Toluene	10.0	8.684	87	10	30	76-125	
1,1,1-Trichloroethane	10.0	9.522	95	9	30	60-140	
1,1,2-Trichloroethane	10.0	10.27	103	5	30	60-140	
Trichloroethene	10.0	10.93	90	9	30	56-118	
Vinyl acetate	20.0	18.84	94	2	30	60-140	
Vinyl chloride	10.0	6.487	65	2	30	60-140	
o-Xylene	10.0	8.835	88	9	30	60-140	
m-Xylene & p-Xylene	10.0	8.154	82	10	30	60-140	
Xylenes, Total	20.0	16.99	85	9	30	60-140	
cis-1,2-Dichloroethene	10.0	14.48	107	6	30	60-140	
Bromodichloromethane	10.0	11.05	110	9	30	60-140	
1,2-Dichloroethene, Total	20.0	23.73	98	7	30	60-140	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: C35805.D Lab Sample ID: MB 600-123637/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS01 Date Analyzed: 12/24/2013 13:18
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-123637/3	C35802.D	12/24/2013 12:01
BlancoSouth-MW12-12182013	600-84456-11	C35806.D	12/24/2013 13:44
BlancoSouth-EquBlank02-12182013	600-84456-12	C35807.D	12/24/2013 14:10
BlancoSouth-MW12-12182013 MS	600-84456-11 MS	C35808.D	12/24/2013 14:36
BlancoSouth-MW12-12182013 MSD	600-84456-11 MSD	C35809.D	12/24/2013 15:02
BlancoSouth-MW08-12182013	600-84456-5	C35818.D	12/24/2013 18:50
BlancoSouth-MW13-12182013	600-84456-1	C35819.D	12/24/2013 19:16
BlancoSouth-EquBlank03-12182013	600-84456-2	C35820.D	12/24/2013 19:41

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: C36004.D Lab Sample ID: MB 600-123757/3
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS01 Date Analyzed: 12/26/2013 12:24
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-123757/4	C36006.D	12/26/2013 13:30
BlancoSouth-MW15-12182013	600-84456-3	C36012.D	12/26/2013 15:56
BlancoSouth-IDW-12182013	600-84456-4	C36013.D	12/26/2013 16:22

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab File ID: C33700.D BFB Injection Date: 12/03/2013
 Instrument ID: VOAMS01 BFB Injection Time: 11:03
 Analysis Batch No.: 122189

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.1
75	30.0 - 60.0 % of mass 95	47.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	85.7
175	5.0 - 9.0 % of mass 174	6.3 (7.3) 1
176	95.0 - 101.0 % of mass 174	83.2 (97.0) 1
177	5.0 - 9.0 % of mass 176	5.8 (7.0) 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
	IC 600-122189/2	C33702.D	12/03/2013	12:01
	IC 600-122189/3	C33703.D	12/03/2013	12:26
	IC 600-122189/4	C33704.D	12/03/2013	12:52
	ICIS 600-122189/5	C33705.D	12/03/2013	13:16
	IC 600-122189/6	C33706.D	12/03/2013	13:40
	IC 600-122189/7	C33707.D	12/03/2013	14:05

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: C35800.D BFB Injection Date: 12/24/2013
Instrument ID: VOAMS01 BFB Injection Time: 10:10
Analysis Batch No.: 123637

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.4
75	30.0 - 60.0 % of mass 95	49.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.4 (0.4) 1
174	50.0 - 120.00 % of mass 95	90.0
175	5.0 - 9.0 % of mass 174	6.9 (7.6) 1
176	95.0 - 101.0 % of mass 174	85.5 (95.1) 1
177	5.0 - 9.0 % of mass 176	6.2 (7.2) 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 600-123637/2	C35801.D	12/24/2013	11:25
	LCS 600-123637/3	C35802.D	12/24/2013	12:01
	MB 600-123637/4	C35805.D	12/24/2013	13:18
BlancoSouth-MW12-121820 13	600-84456-11	C35806.D	12/24/2013	13:44
BlancoSouth-EquBlank02-12182013	600-84456-12	C35807.D	12/24/2013	14:10
BlancoSouth-MW12-121820 13 MS	600-84456-11 MS	C35808.D	12/24/2013	14:36
BlancoSouth-MW12-121820 13 MSD	600-84456-11 MSD	C35809.D	12/24/2013	15:02
BlancoSouth-MW08-121820 13	600-84456-5	C35818.D	12/24/2013	18:50
BlancoSouth-MW13-121820 13	600-84456-1	C35819.D	12/24/2013	19:16
BlancoSouth-EquBlank03-12182013	600-84456-2	C35820.D	12/24/2013	19:41

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab File ID: C36000.D BFB Injection Date: 12/26/2013
 Instrument ID: VOAMS01 BFB Injection Time: 09:43
 Analysis Batch No.: 123757

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.6
75	30.0 - 60.0 % of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.7
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	50.0 - 120.00 % of mass 95	90.0
175	5.0 - 9.0 % of mass 174	7.1 (7.9) 1
176	95.0 - 101.0 % of mass 174	88.1 (97.9) 1
177	5.0 - 9.0 % of mass 176	6.3 (7.2) 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 600-123757/2	C36001.D	12/26/2013	10:56
	MB 600-123757/3	C36004.D	12/26/2013	12:24
	LCS 600-123757/4	C36006.D	12/26/2013	13:30
BlancoSouth-MW15-121820 13	600-84456-3	C36012.D	12/26/2013	15:56
BlancoSouth-IDW-1218201 3	600-84456-4	C36013.D	12/26/2013	16:22

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: CCVIS 600-123637/2 Date Analyzed: 12/24/2013 11:25
 Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): C35801.D Heated Purge: (Y/N) N
 Calibration ID: 2640

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		570506	8.66	9957	9.06	236866	11.66
UPPER LIMIT		1141012	9.16	19914	9.56	473732	12.16
LOWER LIMIT		285253	8.16	4979	8.56	118433	11.16
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-123637/3		624736	8.67	8434	9.07	252849	11.66
MB 600-123637/4		492004	8.68	6964	9.07	193300	11.66
600-84456-11	BlancoSouth-MW12-1218 2013	514193	8.67	7941	9.07	202947	11.67
600-84456-12	BlancoSouth-EquBlank0 2-12182013	458760	8.67	6891	9.07	185067	11.66
600-84456-11 MS	BlancoSouth-MW12-1218 2013 MS	546115	8.67	10597	9.07	228280	11.67
600-84456-11 MSD	BlancoSouth-MW12-1218 2013 MSD	591437	8.68	11657	9.07	244447	11.67
600-84456-5	BlancoSouth-MW08-1218 2013	587425	8.67	7624	9.06	231340	11.66
600-84456-1	BlancoSouth-MW13-1218 2013	587247	8.67	7670	9.07	226123	11.66
600-84456-2	BlancoSouth-EquBlank0 3-12182013	593448	8.67	6923	9.06	224609	11.66

FB = Fluorobenzene
 DXE = 1,4-Dioxane-d8
 CBZ = Chlorobenzene-d5

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: CCVIS 600-123637/2 Date Analyzed: 12/24/2013 11:25
 Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): C35801.D Heated Purge: (Y/N) N
 Calibration ID: 2640

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		266884	14.23				
UPPER LIMIT		533768	14.73				
LOWER LIMIT		133442	13.73				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-123637/3		280479	14.23				
MB 600-123637/4		198042	14.23				
600-84456-11	BlancoSouth-MW12-1218 2013	210064	14.23				
600-84456-12	BlancoSouth-EquBlank0 2-12182013	189268	14.23				
600-84456-11 MS	BlancoSouth-MW12-1218 2013 MS	263265	14.23				
600-84456-11 MSD	BlancoSouth-MW12-1218 2013 MSD	278704	14.23				
600-84456-5	BlancoSouth-MW08-1218 2013	254931	14.23				
600-84456-1	BlancoSouth-MW13-1218 2013	245656	14.23				
600-84456-2	BlancoSouth-EquBlank0 3-12182013	234166	14.23				

DCB = 1,4-Dichlorobenzene-d4

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: CCVIS 600-123757/2 Date Analyzed: 12/26/2013 10:56
 Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): C36001.D Heated Purge: (Y/N) N
 Calibration ID: 2640

	FB		DXE		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	641382	8.67	9222	9.06	246443	11.66	
UPPER LIMIT	1282764	9.17	18444	9.56	492886	12.16	
LOWER LIMIT	320691	8.17	4611	8.56	123222	11.16	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 600-123757/3		614809	8.67	7117	9.06	229146	11.66
LCS 600-123757/4		616409	8.67	8361	9.07	234349	11.66
600-84456-3	BlancoSouth-MW15-1218 2013	582629	8.67	6506	9.07	229060	11.66
600-84456-4	BlancoSouth-IDW-12182 013	571477	8.67	6797	9.07	217956	11.67

FB = Fluorobenzene
 DXE = 1,4-Dioxane-d8
 CBZ = Chlorobenzene-d5

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: CCVIS 600-123757/2 Date Analyzed: 12/26/2013 10:56
 Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): C36001.D Heated Purge: (Y/N) N
 Calibration ID: 2640

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		258837	14.23				
UPPER LIMIT		517674	14.73				
LOWER LIMIT		129419	13.73				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 600-123757/3		231072	14.23				
LCS 600-123757/4		245307	14.23				
600-84456-3	BlancoSouth-MW15-1218 2013	240982	14.23				
600-84456-4	BlancoSouth-IDW-12182 013	241575	14.23				

DCB = 1,4-Dichlorobenzene-d4

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 VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-MW13-12182013 Lab Sample ID: 600-84456-1

Matrix: Water Lab File ID: C35819.D

Analysis Method: 8260B Date Collected: 12/18/2013 16:10

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 19:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.963	J	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	40.7		1.00	0.110
107-06-2	1,2-Dichloroethane	0.188	J	1.00	0.140
75-35-4	1,1-Dichloroethene	0.807	J	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	3.89		1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	1.14		1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.388	J	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	14.2		1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.436	J	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Client Sample ID: BlancoSouth-MW13-12182013 Lab Sample ID: 600-84456-1
 Matrix: Water Lab File ID: C35819.D
 Analysis Method: 8260B Date Collected: 12/18/2013 16:10
 Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 19:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	26.9		1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	30.8		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		70-130
1868-53-7	Dibromofluoromethane	115		62-130
460-00-4	4-Bromofluorobenzene	119		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-EquBlank03-12 Lab Sample ID: 600-84456-2

Matrix: Water Lab File ID: C35820.D

Analysis Method: 8260B Date Collected: 12/18/2013 16:30

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 19:41

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.0800	U	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	0.114	J	1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.180	U	1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Client Sample ID: BlancoSouth-EquBlank03-12 Lab Sample ID: 600-84456-2
 Matrix: Water Lab File ID: C35820.D
 Analysis Method: 8260B Date Collected: 12/18/2013 16:30
 Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 19:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.226	J	1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	0.300	U	1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		70-130
1868-53-7	Dibromofluoromethane	102		62-130
460-00-4	4-Bromofluorobenzene	112		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-MW15-12182013 Lab Sample ID: 600-84456-3

Matrix: Water Lab File ID: C36012.D

Analysis Method: 8260B Date Collected: 12/18/2013 17:15

Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 15:56

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	3.54	J	5.00	0.990
71-43-2	Benzene	0.598	J	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.911	J	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	3.21		1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.324	J	1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Client Sample ID: BlancoSouth-MW15-12182013 Lab Sample ID: 600-84456-3
 Matrix: Water Lab File ID: C36012.D
 Analysis Method: 8260B Date Collected: 12/18/2013 17:15
 Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 15:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.465	J	1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	0.465	J	1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		70-130
1868-53-7	Dibromofluoromethane	103		62-130
460-00-4	4-Bromofluorobenzene	108		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-IDW-12182013 Lab Sample ID: 600-84456-4

Matrix: Water Lab File ID: C36013.D

Analysis Method: 8260B Date Collected: 12/18/2013 08:00

Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 16:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	6.57		1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	4.92		1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.436	J	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.630	J	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.218	J	1.00	0.130
108-88-3	Toluene	4.61		1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	1.60		1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	5.31		1.00	0.120
179601-23-1	m-Xylene & p-Xylene	15.1		1.00	0.170
1330-20-7	Xylenes, Total	20.4		1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Client Sample ID: BlancoSouth-IDW-12182013 Lab Sample ID: 600-84456-4
 Matrix: Water Lab File ID: C36013.D
 Analysis Method: 8260B Date Collected: 12/18/2013 08:00
 Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 16:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	3.26		1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	3.70		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		70-130
1868-53-7	Dibromofluoromethane	100		62-130
460-00-4	4-Bromofluorobenzene	104		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-MW08-12182013 Lab Sample ID: 600-84456-5

Matrix: Water Lab File ID: C35818.D

Analysis Method: 8260B Date Collected: 12/18/2013 10:40

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 18:50

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	2.28	J	5.00	0.990
71-43-2	Benzene	0.0867	J	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	3.21		2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.289	J	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.180	U	1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Client Sample ID: BlancoSouth-MW08-12182013 Lab Sample ID: 600-84456-5
 Matrix: Water Lab File ID: C35818.D
 Analysis Method: 8260B Date Collected: 12/18/2013 10:40
 Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 18:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	0.300	U	1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		70-130
1868-53-7	Dibromofluoromethane	112		62-130
460-00-4	4-Bromofluorobenzene	112		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-MW12-12182013 Lab Sample ID: 600-84456-11

Matrix: Water Lab File ID: C35806.D

Analysis Method: 8260B Date Collected: 12/18/2013 15:20

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 13:44

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1.50	J	5.00	0.990
71-43-2	Benzene	0.0800	U	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.225	J	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	2.53		1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.384	J	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	1.50		1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	1.93		1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: BlancoSouth-MW12-12182013 Lab Sample ID: 600-84456-11
Matrix: Water Lab File ID: C35806.D
Analysis Method: 8260B Date Collected: 12/18/2013 15:20
Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 13:44
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	3.77		1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	4.15		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		70-130
1868-53-7	Dibromofluoromethane	110		62-130
460-00-4	4-Bromofluorobenzene	102		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	123		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-EquBlank02-12 Lab Sample ID: 600-84456-12

Matrix: Water Lab File ID: C35807.D

Analysis Method: 8260B Date Collected: 12/18/2013 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 14:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.0800	U	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.180	U	1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Client Sample ID: BlancoSouth-EquBlank02-12 Lab Sample ID: 600-84456-12
 Matrix: Water Lab File ID: C35807.D
 Analysis Method: 8260B Date Collected: 12/18/2013 15:15
 Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 14:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	0.300	U	1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		70-130
1868-53-7	Dibromofluoromethane	116		62-130
460-00-4	4-Bromofluorobenzene	107		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	131		50-134

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-122189/2	C33702.D
Level 2	IC 600-122189/3	C33703.D
Level 3	IC 600-122189/4	C33704.D
Level 4	ICIS 600-122189/5	C33705.D
Level 5	IC 600-122189/6	C33706.D
Level 6	IC 600-122189/7	C33707.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 3	LVL 4	LVL 5		B	M1	M2								
2-Methylnaphthalene	0 0	0	0	0	0	Ave								15.0			
Dichlorodifluoromethane	0.4113 0.3515	0.3419	0.4186	0.3708	0.3799	Ave		0.3790				8.2		15.0			
Chloromethane	0.3784 0.3002	0.3333	0.3621	0.3245	0.3223	Ave		0.3368			0.1000	8.5		15.0			
Vinyl chloride	0.3402 +++++	0.2923	0.3388	0.3066	0.3093	Ave		0.3174				6.7		30.0			
Butadiene	0.3475 0.2942	0.2746	0.3296	0.2934	0.3116	Ave		0.3085				8.6		15.0			
Ethylene oxide	0.0576 0.0437	0.0563	0.0478	0.0516	0.0504	Ave		0.0512				10.2		15.0			
Bromomethane	0.1431 0.1522	0.1286	0.1388	0.1396	0.1498	Ave		0.1420				6.0		15.0			
Ethanol	0.0012 0.0006	0.0010	0.0007	0.0007	0.0007	Lin1	-5.104	0.0006							0.9942		0.9900
Chloroethane	0.2197 0.1714	0.1888	0.2038	0.1870	0.1862	Ave		0.1928				8.7		15.0			
Dichlorofluoromethane	0.5519 0.4650	0.4542	0.5440	0.5012	0.5001	Ave		0.5027				7.9		15.0			
Acrolein	0.0146 0.0094	0.0125	0.0099	0.0112	0.0107	Lin1	-0.217	0.0097							0.9947		0.9900
Acetonitrile	0.0193 0.0111	0.0144	0.0154	0.0137	0.0130	Lin1	-0.605	0.0117							0.9923		0.9900
Trichlorofluoromethane	0.7035 0.6093	0.5820	0.7075	0.6403	0.6461	Ave		0.6481				7.7		15.0			
Isopropyl alcohol	0.0073 0.0039	0.0061	0.0049	0.0046	0.0048	Lin1	-0.716	0.0041							0.9921		0.9900
Acetone	0.0546 0.0224	0.0324	0.0285	0.0268	0.0261	Lin1	-0.203	0.0228							0.9947		0.9900

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

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 3	LVL 4	LVL 5		B	M1	M2								
Ethyl ether	0.1814 0.1337	0.1753	0.1475	0.1607	0.1564	Ave		0.1592				11.1		15.0			
t-Butanol	0.0105 0.0078	0.0108	0.0086	0.0093	0.0091	Ave		0.0094				12.2		15.0			
1,1-Dichloroethene	0.4812 0.3695	0.4923	0.4086	0.4138	0.4123	Ave		0.4296				11.0		30.0			
Acrylonitrile	0.0365 0.0265	0.0367	0.0306	0.0328	0.0312	Ave		0.0324				11.9		15.0			
Iodomethane	0.5641 0.6257	0.6147	0.5725	0.6224	0.6758	Ave		0.6125				6.6		15.0			
Methylene Chloride	0.4928 0.3062	0.5396	0.3864	0.3711	0.3539	Lin1	-0.072	0.3188							0.9920		0.9900
Methyl acetate	0.0944 0.0732	0.0990	0.0829	0.0907	0.0862	Ave		0.0877				10.4		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4199 0.3261	0.4244	0.3629	0.3683	0.3677	Ave		0.3782				9.9		15.0			
3-Chloro-1-propene	0.2452 0.2104	0.2621	0.2211	0.2294	0.2330	Ave		0.2336				7.8		15.0			
Carbon disulfide	1.1164 1.0181	1.1331	0.9928	1.0535	1.0942	Ave		1.0680				5.2		15.0			
trans-1,2-Dichloroethene	0.5126 0.3829	0.5121	0.4191	0.4224	0.4232	Ave		0.4454				12.1		15.0			
Methyl tert-butyl ether	0.5543 0.4480	0.5808	0.4817	0.5210	0.5108	Ave		0.5161				9.3		15.0			
Propionitrile	0.0157 0.0116	0.0153	0.0126	0.0139	0.0135	Ave		0.0138				11.5		15.0			
1,1-Dichloroethane	0.8118 0.6359	0.8232	0.6760	0.7035	0.7003	Ave		0.7251			0.1000	10.4		15.0			
Vinyl acetate	0.2868 0.2425	0.2893	0.2597	0.2765	0.2750	Ave		0.2716				6.5		15.0			
2-Chloro-1,3-butadiene	0.6232 0.5064	0.6407	0.5444	0.5648	0.5676	Ave		0.5745				8.7		15.0			
Hexane	0.6770 0.5094	0.7158	0.6030	0.5974	0.5858	Ave		0.6147				11.8		15.0			
Isopropyl ether	1.0337 0.7671	1.0494	0.8821	0.9341	0.9074	Ave		0.9290				11.2		15.0			
2-Butanone (MEK)	0.0159 0.0124	0.0167	0.0144	0.0151	0.0143	Ave		0.0148				10.1		15.0			
Methacrylonitrile	0.0188 0.0139	0.0185	0.0155	0.0168	0.0162	Ave		0.0166				11.1		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

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 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.5192 0.3995	0.5230	0.4224	0.4440	0.4384	Ave		0.4578				11.2		15.0			
Ethyl acetate	0.0896 0.0755	0.0841	0.0749	0.0848	0.0836	Ave		0.0821				7.0		15.0			
Chlorobromomethane	0.1896 0.1452	0.1907	0.1594	0.1710	0.1660	Ave		0.1703				10.4		15.0			
Chloroform	0.7679 0.5675	0.7588	0.6360	0.6566	0.6476	Ave		0.6724				11.5		30.0			
Tert-butyl ethyl ether	0.7530 0.5895	0.7570	0.6380	0.6941	0.6790	Ave		0.6851				9.5		15.0			
Isobutyl alcohol	0.0079 0.0060	0.0076	0.0064	0.0070	0.0071	Ave		0.0070				10.4		15.0			
2,2-Dichloropropane	0.6997 0.5668	0.7182	0.6097	0.6300	0.6336	Ave		0.6430				8.8		15.0			
Tetrahydrofuran	0.0426 0.0257	0.0365	0.0310	0.0290	0.0287	Lin1	-0.118	0.0262							0.9978		0.9900
1,2-Dichloroethane	0.3732 0.2693	0.3552	0.3017	0.3153	0.3112	Ave		0.3210				11.7		15.0			
1,1,1-Trichloroethane	0.7279 0.6272	0.7683	0.6518	0.6787	0.6930	Ave		0.6912				7.4		15.0			
1,1-Dichloropropene	0.6311 0.4927	0.6448	0.5455	0.5538	0.5521	Ave		0.5700				10.1		15.0			
Cyclohexane	0.7520 0.5956	0.7754	0.6574	0.6658	0.6631	Ave		0.6849				9.7		15.0			
Carbon tetrachloride	0.6355 0.5680	0.6645	0.5769	0.6053	0.6181	Ave		0.6114				5.9		15.0			
Benzene	1.9613 1.4698	2.0204	1.6564	1.6995	1.6783	Ave		1.7476				11.8		15.0			
Tert-amyl methyl ether	0.6404 0.5065	0.6193	0.5300	0.5757	0.5739	Ave		0.5743				8.9		15.0			
Ethyl acrylate	0.2020 0.1611	0.1719	0.1542	0.1599	0.1750	Ave		0.1707				10.1		15.0			
Dibromomethane	0.1511 0.1157	0.1476	0.1272	0.1356	0.1329	Ave		0.1350				9.7		15.0			
1,2-Dichloropropane	0.4024 0.3007	0.4018	0.3434	0.3535	0.3459	Ave		0.3580				10.9		30.0			
Trichloroethene	0.6437 0.4962	0.6581	0.5443	0.5569	0.5588	Ave		0.5763				10.8		15.0			
Bromodichloromethane	0.4285 0.3832	0.4370	0.3850	0.4204	0.4233	Ave		0.4129				5.6		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

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 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.1170 0.1074	0.1230	0.1068	0.1206	0.1211	Ave		0.1160				6.2		15.0			
1,4-Dioxane	2.1463 0.9249	1.4041	1.2364	1.2665	1.0825	Lin1	-0.178	0.9051							0.9946		0.9900
2-Chloroethyl vinyl ether	0.2348 0.2221	0.2485	0.2133	0.2429	0.2448	Ave		0.2344				6.0		15.0			
2-Nitropropane	0.0515 0.0588	0.0641	0.0607	0.0645	0.0666	Ave		0.0610				9.0		15.0			
Methylcyclohexane	0.9044 0.7298	0.9480	0.8081	0.8155	0.8079	Ave		0.8356				9.3		15.0			
cis-1,3-Dichloropropene	1.2456 1.1082	1.2809	1.1107	1.2014	1.2269	Ave		1.1956				6.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.1137 0.0907	0.1137	0.0905	0.1046	0.1032	Ave		0.1027				10.1		15.0			
trans-1,3-Dichloropropene	0.8395 0.7734	0.8460	0.7277	0.8132	0.8436	Ave		0.8072				5.9		15.0			
n-Heptane	0.0621 0.0366	0.0487	0.0382	0.0391	0.0398	Lin	-0.062	0.0363							0.9990		0.9900
1,1,2-Trichloroethane	0.6034 0.4452	0.5750	0.4840	0.5170	0.5036	Ave		0.5214				11.2		15.0			
Ethyl methacrylate	0.5137 0.4810	0.5145	0.4668	0.5352	0.5371	Ave		0.5080				5.6		15.0			
Toluene	3.6406 2.7566	3.7706	3.0916	3.1521	3.1031	Ave		3.2524				11.7		30.0			
1,3-Dichloropropane	1.0329 0.7714	1.0319	0.8581	0.8955	0.8787	Ave		0.9114				11.3		15.0			
2-Hexanone	0.2290 0.1543	0.1849	0.1575	0.1770	0.1736	Lin1	-0.066	0.1590							0.9960		0.9900
Dibromochloromethane	0.5785 0.6231	0.5953	0.5365	0.6163	0.6491	Ave		0.5998				6.6		15.0			
n-Butyl acetate	0.4857 0.3890	0.4138	0.3923	0.4367	0.4320	Ave		0.4249				8.4		15.0			
1,2-Dibromoethane	0.5434 0.4407	0.5430	0.4597	0.4971	0.4933	Ave		0.4962				8.5		15.0			
Tetrachloroethene	1.3833 1.0761	1.4352	1.1629	1.1899	1.2145	Ave		1.2437				11.1		15.0			
1-Chlorohexane	1.3147 1.0014	1.3554	1.1162	1.1438	1.1310	Ave		1.1771				11.3		15.0			
1,1,1,2-Tetrachloroethane	1.0705 0.9593	1.0994	0.9577	1.0234	1.0470	Ave		1.0262				5.7		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

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 3	LVL 4	LVL 5		B	M1	M2								
Chlorobenzene	3.9966 2.9616	4.0500	3.3206	3.4385	3.3812	Ave		3.5247			0.3000	11.9		15.0			
Ethylbenzene	2.3756 1.8941	2.4902	2.1002	2.1313	2.1137	Ave		2.1842				9.8		30.0			
m-Xylene & p-Xylene	3.0428 2.3555	3.1361	2.6053	2.6594	2.6419	Ave		2.7402				10.7		15.0			
Bromoform	0.2200 0.2516	0.2135	0.1903	0.2229	0.2476	Ave		0.2243			0.1000	10.1		15.0			
Styrene	3.3412 2.9968	3.5883	3.1362	3.3470	3.3598	Ave		3.2949				6.2		15.0			
Cyclohexanone	0.0093 0.0064	0.0085	0.0065	0.0074	0.0073	Lin1	-1.848	0.0066							0.9951		0.9900
1,1,2,2-Tetrachloroethane	0.5485 0.3890	0.4995	0.4231	0.4543	0.4480	Ave		0.4604			0.3000	12.3		15.0			
o-Xylene	2.8348 2.1375	2.9172	2.4439	2.4654	2.4205	Ave		2.5366				11.4		15.0			
trans-1,4-Dichloro-2-butene	0.1094 0.0925	0.0997	0.0846	0.0956	0.0968	Ave		0.0964				8.5		15.0			
1,2,3-Trichloropropane	0.1716 0.1237	0.1602	0.1352	0.1441	0.1412	Ave		0.1460				11.9		15.0			
Isopropylbenzene	7.1530 5.3225	7.2569	6.0197	6.0999	6.0346	Ave		6.3144				11.8		15.0			
Bromobenzene	1.4010 1.0223	1.3483	1.1395	1.1795	1.1597	Ave		1.2084				11.7		15.0			
N-Propylbenzene	2.1175 1.6115	2.1701	1.7824	1.8266	1.8246	Ave		1.8888				11.3		15.0			
2-Chlorotoluene	1.8840 1.3222	1.7815	1.4820	1.5231	1.4982	Ave		1.5818				13.2		15.0			
4-Chlorotoluene	4.6566 3.3536	4.5499	3.7593	3.8334	3.8036	Ave		3.9927				12.6		15.0			
1,3,5-Trimethylbenzene	6.0048 4.5009	6.0430	5.0498	5.1391	5.1372	Ave		5.3125				11.3		15.0			
Pentachloroethane	0.5827 0.5596	0.5771	0.4996	0.5733	0.5839	Ave		0.5627				5.7		15.0			
tert-Butylbenzene	5.5934 4.1684	5.5822	4.6786	4.7286	4.7220	Ave		4.9122				11.5		15.0			
1,2,4-Trimethylbenzene	5.9707 4.5005	6.0379	5.1007	5.1515	5.1254	Ave		5.3144				11.1		15.0			
sec-Butylbenzene	8.0091 6.0722	8.1863	6.8795	6.9469	6.9192	Ave		7.1689				11.1		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

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 3	LVL 4	LVL 5		B	M1	M2								
Benzyl chloride	0.6755 0.7929	0.6632	0.6356	0.7444	0.8126	Ave		0.7207				10.2		15.0			
1,3-Dichlorobenzene	3.1975 2.3195	3.0994	2.5831	2.6501	2.6301	Ave		2.7466				12.2		15.0			
1,4-Dichlorobenzene	3.0300 2.1285	2.9523	2.4519	2.5157	2.4737	Ave		2.5920				13.1		15.0			
4-Isopropyltoluene	7.2847 5.3809	7.3569	6.1964	6.2104	6.2212	Ave		6.4417				11.7		15.0			
1,2,3-Trimethylbenzene	5.3671 3.9780	5.3093	4.5103	4.5775	4.5539	Ave		4.7160				11.3		15.0			
1,2-Dichlorobenzene	2.4901 1.8204	2.3898	2.0307	2.0847	2.0679	Ave		2.1473				11.5		15.0			
n-Butylbenzene	5.7119 4.5778	5.7712	5.0296	5.1128	5.1592	Ave		5.2271				8.6		15.0			
1,2-Dibromo-3-Chloropropane	0.0875 0.0721	0.0724	0.0665	0.0717	0.0754	Lin1	-0.007	0.0723							0.9986		0.9900
1,3,5-Trichlorobenzene	2.0537 1.6285	2.0630	1.7477	1.7835	1.8229	Ave		1.8499				9.4		15.0			
1,2,4-Trichlorobenzene	1.4983 1.1417	1.4535	1.2145	1.2672	1.2786	Lin1	-0.029	1.1759							0.9971		0.9900
Naphthalene	1.8178 1.3742	1.6572	1.4023	1.5088	1.5319	Ave		1.5487				10.7		15.0			
Hexachlorobutadiene	0.4250 0.3564	0.4038	0.3377	0.3512	0.3621	Lin1	-0.014	0.3540							0.9993		0.9900
1,2,3-Trichlorobenzene	1.1565 0.8168	1.0571	0.8786	0.9180	0.9175	Ave		0.9574				13.1		15.0			
Dibromofluoromethane	0.3610 0.2902	0.3588	0.3118	0.3291	0.3228	Ave		0.3290				8.3		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2714 0.2032	0.2793	0.2251	0.2399	0.2333	Ave		0.2420				11.9		15.0			
Toluene-d8 (Surr)	4.6568 3.5805	4.8504	4.0027	4.0859	4.0390	Ave		4.2026				11.1		15.0			
4-Bromofluorobenzene	1.4987 1.0476	1.4037	1.1647	1.2153	1.1878	Ave		1.2530				13.3		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-122189/2	C33702.D
Level 2	IC 600-122189/3	C33703.D
Level 3	IC 600-122189/4	C33704.D
Level 4	ICIS 600-122189/5	C33705.D
Level 5	IC 600-122189/6	C33706.D
Level 6	IC 600-122189/7	C33707.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Methylnaphthalene	DCB	Ave	0 0	0	0	0	0	1.00 50.0	2.00	5.00	10.0	20.0
Dichlorodifluoromethane	FB	Ave	18257 938158	30091	96416	175028	363902	1.00 50.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	16795 801302	29338	83400	153172	308652	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	15101 +++++	25727	78040	144721	296234	1.00 +++++	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	15423 785143	24170	75907	138515	298468	1.00 50.0	2.00	5.00	10.0	20.0
Ethylene oxide	FB	Ave	25569 1166107	49523	110137	243396	482469	10.0 500	20.0	50.0	100	200
Bromomethane	FB	Ave	6351 406318	11322	31970	65911	143519	1.00 50.0	2.00	5.00	10.0	20.0
Ethanol	FB	Lin1	2759 75174	4309	8234	16578	32005	50.0 2500	100	250	500	1000
Chloroethane	FB	Ave	9752 457430	16615	46946	88268	178331	1.00 50.0	2.00	5.00	10.0	20.0
Dichlorofluoromethane	FB	Ave	24497 1240946	39977	125285	236587	478933	1.00 50.0	2.00	5.00	10.0	20.0
Acrolein	FB	Lin1	3236 125321	5510	11375	26526	51377	5.00 250	10.0	25.0	50.0	100
Acetonitrile	FB	Lin1	8561 296167	12690	28406	64521	124250	10.0 500	20.0	40.0	100	200
Trichlorofluoromethane	FB	Ave	31228 1626220	51226	162951	302283	618841	1.00 50.0	2.00	5.00	10.0	20.0
Isopropyl alcohol	FB	Lin1	3250 104841	5345	11261	21766	46137	10.0 500	20.0	50.0	100	200
Acetone	FB	Lin1	4847 119419	5705	13127	25326	50042	2.00 100	4.00	10.0	20.0	40.0
Ethyl ether	FB	Ave	8054 356769	15426	33969	75877	149818	1.00 50.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
t-Butanol	FB	Ave	4650 207829	9527	19839	43898	87283	10.0 500	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	21359 986120	43330	94116	195331	394859	1.00 50.0	2.00	5.00	10.0	20.0
Acrylonitrile	FB	Ave	16204 708203	32274	70412	154745	298653	10.0 500	20.0	50.0	100	200
Iodomethane	FB	Ave	25040 1669891	54102	131858	293798	647289	1.00 50.0	2.00	5.00	10.0	20.0
Methylene Chloride	FB	Lin1	21874 817281	47494	88990	175188	338975	1.00 50.0	2.00	5.00	10.0	20.0
Methyl acetate	FB	Ave	20959 976590	43550	95434	213999	412725	5.00 250	10.0	25.0	50.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	18639 870387	37357	83584	173842	352146	1.00 50.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	10886 561539	23072	50924	108291	223198	1.00 50.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	49556 2717404	99733	228654	497334	1048016	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	22754 1021890	45076	96533	199389	405322	1.00 50.0	2.00	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	24603 1195589	51118	110934	245941	489252	1.00 50.0	2.00	5.00	10.0	20.0
Propionitrile	FB	Ave	6975 308672	13509	29121	65657	129246	10.0 500	20.0	50.0	100	200
1,1-Dichloroethane	FB	Ave	36036 1697131	72455	155702	332089	670677	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	25463 1294589	50929	119618	261016	526687	2.00 100	4.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	27665 1351610	56390	125379	266642	543633	1.00 50.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	30049 1359679	63007	138884	281988	561061	1.00 50.0	2.00	5.00	10.0	20.0
Isopropyl ether	FB	Ave	45884 2047404	92367	203157	440963	869109	1.00 50.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	1414 66210	2943	6649	14294	27397	2.00 100	4.00	10.0	20.0	40.0
Methacrylonitrile	FB	Ave	8336 371035	16253	35715	79527	155603	10.0 500	20.0	50.0	100	200
cis-1,2-Dichloroethene	FB	Ave	23046 1066358	46035	97294	209574	419888	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl acetate	FB	Ave	7955 402817	14809	34500	80085	160180	2.00 100	4.00	10.0	20.0	40.0

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorobromomethane	FB	Ave	8417 387486	16784	36710	80722	158987	1.00 50.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	34087 1514741	66789	146472	309947	620224	1.00 50.0	2.00	5.00	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	33424 1573409	66628	146940	327644	650332	1.00 50.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	FB	Ave	8739 397601	16827	36800	82361	168950	25.0 1250	50.0	125	250	500
2,2-Dichloropropane	FB	Ave	31060 1512883	63215	140414	297385	606846	1.00 50.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Lin1	3781 137352	6419	14299	27338	54885	2.00 100	4.00	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	16565 718815	31264	69488	148829	298050	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	32311 1673908	67627	150125	320408	663700	1.00 50.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	28012 1314884	56753	125644	261406	528814	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	33381 1589573	68250	151400	314310	635046	1.00 50.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	28208 1516025	58487	132861	285742	591998	1.00 50.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	87059 3922857	177836	381492	802281	1607431	1.00 50.0	2.00	5.00	10.0	20.0
Tert-amyl methyl ether	FB	Ave	28427 1351917	54508	122062	271757	549660	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl acrylate	FB	Ave	8967 429903	15131	35520	75473	167574	1.00 50.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	6706 308828	12995	29294	64002	127323	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	17863 802557	35368	79089	166893	331286	1.00 50.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	28574 1324254	57924	125363	262884	535158	1.00 50.0	2.00	5.00	10.0	20.0
Bromodichloromethane	FB	Ave	19022 1022814	38461	88668	198450	405445	1.00 50.0	2.00	5.00	10.0	20.0
Methyl methacrylate	FB	Ave	10391 573116	21650	49195	113864	231961	2.00 100	4.00	10.0	20.0	40.0
1,4-Dioxane	DXE	Lin1	1272 34769	1724	3505	7297	14569	20.0 1000	40.0	100	200	400
2-Chloroethyl vinyl ether	CBZ	Ave	7984 461111	16742	38226	89320	183924	2.00 100	4.00	10.0	20.0	40.0

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Nitropropane	FB	Ave	4568 313661	11277	27972	60920	127617	2.00 100	4.00	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	40144 1947806	83441	186113	384945	773736	1.00 50.0	2.00	5.00	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	21178 1150281	43152	99505	220938	460853	1.00 50.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	10092 484142	20024	41679	98781	197608	2.00 100	4.00	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBZ	Ave	14273 802769	28501	65197	149540	316892	1.00 50.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Lin	2755 97691	4290	8808	18466	38116	1.00 50.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	10259 462065	19372	43363	95076	189163	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	8733 499279	17331	41820	98415	201742	1.00 50.0	2.00	5.00	10.0	20.0
Toluene	CBZ	Ave	61897 2861209	127024	276982	579648	1165631	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	17562 800626	34761	76882	164681	330068	1.00 50.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Lin1	7786 320265	12459	28227	65112	130409	2.00 100	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	9836 646708	20053	48066	113330	243824	1.00 50.0	2.00	5.00	10.0	20.0
n-Butyl acetate	CBZ	Ave	8258 403759	13940	35147	80307	162256	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	9238 457419	18293	41183	91414	185308	1.00 50.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	23519 1116946	48349	104186	218818	456198	1.00 50.0	2.00	5.00	10.0	20.0
1-Chlorohexane	CBZ	Ave	22352 1039389	45662	100005	210344	424845	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	18201 995728	37036	85803	188188	393277	1.00 50.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	67949 3073962	136435	297492	632320	1270097	1.00 50.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	40390 1965950	83890	188155	391925	793974	1.00 50.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	51734 2444892	105650	233414	489048	992375	1.00 50.0	2.00	5.00	10.0	20.0
Bromoform	DCB	Ave	3965 287386	7848	18640	45256	102024	1.00 50.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Styrene	CBZ	Ave	56806 3110502	120882	280972	615483	1262057	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexanone	CBZ	Lin1	7871 330195	14298	28955	67686	136246	50.0 2500	100	250	500	1000
1,1,2,2-Tetrachloroethane	DCB	Ave	9887 444333	18363	41435	92235	184550	1.00 50.0	2.00	5.00	10.0	20.0
o-Xylene	CBZ	Ave	48197 2218651	98274	218953	453378	909233	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1972 105602	3666	8285	19407	39891	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	3094 141247	5890	13237	29245	58161	1.00 50.0	2.00	5.00	10.0	20.0
Isopropylbenzene	DCB	Ave	128944 6079677	266779	589577	1238394	2486147	1.00 50.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	25256 1167732	49565	111602	239459	477756	1.00 50.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	38172 1840774	79779	174569	370840	751708	1.00 50.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	33963 1510261	65490	145149	309225	617242	1.00 50.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	83942 3830696	167263	368195	778250	1567022	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	108246 5141130	222154	494579	1043333	2116435	1.00 50.0	2.00	5.00	10.0	20.0
Pentachloroethane	DCB	Ave	10504 639203	21214	48935	116394	240540	1.00 50.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	100831 4761391	205215	458226	960004	1945357	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	107631 5140668	221965	499564	1045848	2111570	1.00 50.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	144378 6936025	300945	673791	1410351	2850576	1.00 50.0	2.00	5.00	10.0	20.0
Benzyl chloride	DCB	Ave	12177 905658	24379	62255	151126	334794	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	57640 2649420	113940	252989	538029	1083542	1.00 50.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	54621 2431291	108531	240138	510735	1019122	1.00 50.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	131319 6146353	270455	606882	1260823	2562998	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trimethylbenzene	DCB	Ave	96751 4543845	195181	441748	929328	1876119	1.00 50.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 122189

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2013 12:01 Calibration End Date: 12/03/2013 14:05 Calibration ID: 2640

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	44889 2079403	87855	198889	423232	851924	1.00 50.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	102966 5228994	212161	492607	1037993	2125485	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	1577 82334	2663	6512	14563	31045	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	37021 1860166	75840	171167	362086	750999	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Lin1	27010 1304057	53432	118945	257257	526771	1.00 50.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	32768 1569731	60921	137343	306314	631093	1.00 50.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Lin1	7662 407109	14846	33073	71310	149196	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	20848 933011	38861	86054	186363	377983	1.00 50.0	2.00	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	16024 774527	31585	71811	155349	309197	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	12045 542455	24580	51837	113233	223463	1.00 50.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	79175 3716401	163401	358607	751375	1517175	1.00 50.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene	DCB	Ave	27016 1196647	51604	114068	246732	489337	1.00 50.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-123637/2 Calibration Date: 12/24/2013 11:25

Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/03/2013 14:05

Lab File ID: C35801.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylnaphthalene	Ave		0.0000		1.00	10.0		35.0
Dichlorodifluoromethane	Ave	0.3790	0.2757		7.28	10.0	-27.2	35.0
Chloromethane	Ave	0.3368	0.1701	0.1000	5.05	10.0	-49.5*	35.0
Vinyl chloride	Ave	0.3174	0.2654		8.48	10.0	-15.2	20.0
Butadiene	Ave	0.3085	0.2249		7.29	10.0	-27.1	35.0
Bromomethane	Ave	0.1420	0.1050		7.39	10.0	-26.1	35.0
Chloroethane	Ave	0.1928	0.1989		10.3	10.0	3.2	35.0
Ethanol	Lin1	0.0008	0.0011		888	500	77.7*	35.0
Dichlorofluoromethane	Ave	0.5027	0.7660		15.2	10.0	52.4*	35.0
Acetonitrile	Lin1	0.0145	0.0162		132	100	31.5	50.0
Acrolein	Lin1	0.0114	0.0068		32.3	50.0	-35.5	50.0
Trichlorofluoromethane	Ave	0.6481	0.7931		12.2	10.0	22.4	35.0
Isopropyl alcohol	Lin1	0.0053	0.0064		145	100	45.0	50.0
Acetone	Lin1	0.0318	0.0334		26.8	20.0	33.8	50.0
Ethyl ether	Ave	0.1592	0.1339		8.41	10.0	-15.9	35.0
t-Butanol	Ave	0.0094	0.0120		128	100	28.1	35.0
1,1-Dichloroethene	Ave	0.4296	0.3631		8.45	10.0	-15.5	20.0
Acrylonitrile	Ave	0.0324	0.0369		114	100	13.9	50.0
Iodomethane	Ave	0.6125	0.4089		6.68	10.0	-33.2	35.0
Methylene Chloride	Lin1	0.4083	0.3130		8.92	10.0	-10.8	50.0
Methyl acetate	Ave	0.0877	0.0987		56.2	50.0	12.5	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3782	0.2231		5.90	10.0	-41.0*	35.0
3-Chloro-1-propene	Ave	0.2336	0.1353		5.79	10.0	-42.1*	35.0
Carbon disulfide	Ave	1.068	0.5941		5.56	10.0	-44.4*	35.0
trans-1,2-Dichloroethene	Ave	0.4454	0.2845		6.39	10.0	-36.1*	35.0
Methyl tert-butyl ether	Ave	0.5161	0.4929		9.55	10.0	-4.5	35.0
Propionitrile	Ave	0.0138	0.0166		120	100	20.3	35.0
1,1-Dichloroethane	Ave	0.7251	0.6191	0.1000	8.54	10.0	-14.6	35.0
Vinyl acetate	Ave	0.2716	0.2526		18.6	20.0	-7.0	50.0
2-Chloro-1,3-butadiene	Ave	0.5745	0.4046		7.04	10.0	-29.6	35.0
Hexane	Ave	0.6147	0.4609		7.50	10.0	-25.0	35.0
2-Butanone (MEK)	Ave	0.0148	0.0180		24.3	20.0	21.4	50.0
Isopropyl ether	Ave	0.9290	1.025		11.0	10.0	10.4	35.0
Methacrylonitrile	Ave	0.0166	0.0203		122	100	22.2	35.0
cis-1,2-Dichloroethene	Ave	0.4578	0.4392		9.60	10.0	-4.1	35.0
Ethyl acetate	Ave	0.0821	0.0982		23.9	20.0	19.6	35.0
Chlorobromomethane	Ave	0.1703	0.1738		10.2	10.0	2.0	35.0
Chloroform	Ave	0.6724	0.6965		10.4	10.0	3.6	20.0
Tert-butyl ethyl ether	Ave	0.6851	0.7487		10.9	10.0	9.3	35.0
Isobutyl alcohol	Ave	0.0070	0.0096		345	250	37.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-123637/2 Calibration Date: 12/24/2013 11:25

Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/03/2013 14:05

Lab File ID: C35801.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.6430	0.5327		8.29	10.0	-17.1	35.0
Tetrahydrofuran	Lin1	0.0322	0.0350		25.2	20.0	26.2	35.0
1,2-Dichloroethane	Ave	0.3210	0.3526		11.0	10.0	9.8	35.0
1,1,1-Trichloroethane	Ave	0.6912	0.6108		8.84	10.0	-11.6	35.0
1,1-Dichloropropene	Ave	0.5700	0.4611		8.09	10.0	-19.1	35.0
Cyclohexane	Ave	0.6849	0.3008		4.39	10.0	-56.1*	35.0
Carbon tetrachloride	Ave	0.6114	0.5397		8.83	10.0	-11.7	35.0
Benzene	Ave	1.748	1.616		9.25	10.0	-7.5	35.0
Tert-amyl methyl ether	Ave	0.5743	0.6137		10.7	10.0	6.9	35.0
Ethyl acrylate	Ave	0.1707	0.2594		15.2	10.0	52.0*	35.0
Dibromomethane	Ave	0.1350	0.1591		11.8	10.0	17.8	35.0
1,2-Dichloropropane	Ave	0.3580	0.3861		10.8	10.0	7.8	20.0
Trichloroethene	Ave	0.5763	0.5353		9.29	10.0	-7.1	35.0
Bromodichloromethane	Ave	0.4129	0.4972		12.0	10.0	20.4	35.0
Methyl methacrylate	Ave	0.1160	0.1410		24.3	20.0	21.6	50.0
1,4-Dioxane	Lin1	1.343	1.469		280	200	40.1	50.0
2-Chloroethyl vinyl ether	Ave	0.2344	0.2560		21.9	20.0	9.2	35.0
2-Nitropropane	Ave	0.0610	0.0729		23.9	20.0	19.4	35.0
Methylcyclohexane	Ave	0.8356	0.5418		6.48	10.0	-35.2*	35.0
cis-1,3-Dichloropropene	Ave	1.196	1.239		10.4	10.0	3.6	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1027	0.1311		25.5	20.0	27.6	50.0
trans-1,3-Dichloropropene	Ave	0.8072	0.8693		10.8	10.0	7.7	35.0
n-Heptane	Lin	0.0441	0.0385		9.81	10.0	-1.9	35.0
1,1,2-Trichloroethane	Ave	0.5214	0.6018		11.5	10.0	15.4	35.0
Ethyl methacrylate	Ave	0.5080	0.5884		11.6	10.0	15.8	50.0
Toluene	Ave	3.252	3.123		9.60	10.0	-4.0	20.0
1,3-Dichloropropane	Ave	0.9114	1.070		11.7	10.0	17.4	35.0
2-Hexanone	Lin1	0.1794	0.2039		24.8	20.0	24.1	50.0
Dibromochloromethane	Ave	0.5998	0.7153		11.9	10.0	19.3	35.0
n-Butyl acetate	Ave	0.4249	0.4509		10.6	10.0	6.1	35.0
1,2-Dibromoethane	Ave	0.4962	0.5522		11.1	10.0	11.3	35.0
Tetrachloroethene	Ave	1.244	1.158		9.31	10.0	-6.9	35.0
1,1,1,2-Tetrachloroethane	Ave	1.026	1.161		11.3	10.0	13.1	35.0
Chlorobenzene	Ave	3.525	3.673	0.3000	10.4	10.0	4.2	35.0
Ethylbenzene	Ave	2.184	2.142		9.81	10.0	-1.9	20.0
m-Xylene & p-Xylene	Ave	2.740	2.673		9.76	10.0	-2.5	35.0
Bromoform	Ave	0.2243	0.2931	0.1000	13.1	10.0	30.7	35.0
Styrene	Ave	3.295	3.503		10.6	10.0	6.3	35.0
Cyclohexanone	Lin1	0.0075	0.0106		779	500	55.7*	50.0
1,1,2,2-Tetrachloroethane	Ave	0.4604	0.6391	0.3000	13.9	10.0	38.8*	35.0
o-Xylene	Ave	2.537	2.689		10.6	10.0	6.0	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-123637/2 Calibration Date: 12/24/2013 11:25
 Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/03/2013 14:05
 Lab File ID: C35801.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.0964	0.1098		11.4	10.0	13.9	50.0
1,2,3-Trichloropropane	Ave	0.1460	0.1821		12.5	10.0	24.7	35.0
Isopropylbenzene	Ave	6.314	6.311		10.00	10.0	-0.0	35.0
Bromobenzene	Ave	1.208	1.340		11.1	10.0	10.9	35.0
N-Propylbenzene	Ave	1.889	1.894		10.0	10.0	0.3	35.0
2-Chlorotoluene	Ave	1.582	1.599		10.1	10.0	1.1	35.0
4-Chlorotoluene	Ave	3.993	4.365		10.9	10.0	9.3	35.0
1,3,5-Trimethylbenzene	Ave	5.312	5.483		10.3	10.0	3.2	35.0
Pentachloroethane	Ave	0.5627	0.7248		12.9	10.0	28.8	35.0
tert-Butylbenzene	Ave	4.912	4.979		10.1	10.0	1.4	35.0
1,2,4-Trimethylbenzene	Ave	5.314	5.615		10.6	10.0	5.7	35.0
sec-Butylbenzene	Ave	7.169	7.718		10.8	10.0	7.7	35.0
Benzyl chloride	Ave	0.7207	0.9258		12.9	10.0	28.5	35.0
1,3-Dichlorobenzene	Ave	2.747	2.995		10.9	10.0	9.0	35.0
1,4-Dichlorobenzene	Ave	2.592	2.961		11.4	10.0	14.2	35.0
4-Isopropyltoluene	Ave	6.442	6.906		10.7	10.0	7.2	35.0
1,2,3-Trimethylbenzene	Ave	4.716	5.186		11.0	10.0	10.0	35.0
1,2-Dichlorobenzene	Ave	2.147	2.456		11.4	10.0	14.4	35.0
n-Butylbenzene	Ave	5.227	6.160		11.8	10.0	17.8	35.0
1,2-Dibromo-3-Chloropropane	Lin1	0.0743	0.0898		12.3	10.0	23.4	35.0
1,3,5-Trichlorobenzene	Ave	1.850	2.264		12.2	10.0	22.4	35.0
1,2,4-Trichlorobenzene	Lin1	1.309	1.706		14.2	10.0	41.5*	35.0
Naphthalene	Ave	1.549	1.973		12.7	10.0	27.4	35.0
Hexachlorobutadiene	Lin1	0.3727	0.5018		14.0	10.0	40.0*	35.0
1,2,3-Trichlorobenzene	Ave	0.9574	1.322		13.8	10.0	38.1*	35.0
Dibromofluoromethane	Ave	0.3290	0.3464		10.5	10.0	5.3	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2420	0.2597		10.7	10.0	7.3	35.0
Toluene-d8 (Surr)	Ave	4.203	3.799		9.04	10.0	-9.6	35.0
4-Bromofluorobenzene	Ave	1.253	1.361		10.9	10.0	8.7	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-123757/2 Calibration Date: 12/26/2013 10:56

Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/03/2013 14:05

Lab File ID: C36001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylnaphthalene	Ave		0.0000		1.00	10.0		35.0
Dichlorodifluoromethane	Ave	0.3790	0.2839		7.49	10.0	-25.1	35.0
Chloromethane	Ave	0.3368	0.1829	0.1000	5.43	10.0	-45.7*	35.0
Vinyl chloride	Ave	0.3174	0.3470		11.1	10.0	10.9	20.0
Butadiene	Ave	0.3085	0.2175		7.05	10.0	-29.5	35.0
Bromomethane	Ave	0.1420	0.0990		6.97	10.0	-30.3	35.0
Ethanol	Lin1	0.0008	0.0009		664	500	32.9	35.0
Chloroethane	Ave	0.1928	0.1664		8.63	10.0	-13.7	35.0
Dichlorofluoromethane	Ave	0.5027	0.5728		11.4	10.0	13.9	35.0
Acetonitrile	Lin1	0.0145	0.0124		98.7	100	-1.3	50.0
Acrolein	Lin1	0.0114	0.0063		29.4	50.0	-41.2	50.0
Trichlorofluoromethane	Ave	0.6481	0.6462		9.97	10.0	-0.3	35.0
Isopropyl alcohol	Lin1	0.0053	0.0043		95.9	100	-4.1	50.0
Acetone	Lin1	0.0318	0.0248		19.2	20.0	-3.8	50.0
Ethyl ether	Ave	0.1592	0.1113		6.99	10.0	-30.1	35.0
t-Butanol	Ave	0.0094	0.0090		96.2	100	-3.8	35.0
1,1-Dichloroethene	Ave	0.4296	0.4047		9.42	10.0	-5.8	20.0
Acrylonitrile	Ave	0.0324	0.0280		86.6	100	-13.4	50.0
Iodomethane	Ave	0.6125	0.3886		6.34	10.0	-36.6*	35.0
Methylene Chloride	Lin1	0.4083	0.2765		7.77	10.0	-22.3	50.0
Methyl acetate	Ave	0.0877	0.0724		41.3	50.0	-17.4	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3782	0.2209		5.84	10.0	-41.6*	35.0
3-Chloro-1-propene	Ave	0.2336	0.1330		5.69	10.0	-43.1*	35.0
Carbon disulfide	Ave	1.068	0.6484		6.07	10.0	-39.3*	35.0
trans-1,2-Dichloroethene	Ave	0.4454	0.2981		6.69	10.0	-33.1	35.0
Methyl tert-butyl ether	Ave	0.5161	0.4105		7.95	10.0	-20.5	35.0
Propionitrile	Ave	0.0138	0.0129		93.8	100	-6.2	35.0
1,1-Dichloroethane	Ave	0.7251	0.6030	0.1000	8.32	10.0	-16.8	35.0
Vinyl acetate	Ave	0.2716	0.1992		14.7	20.0	-26.6	50.0
2-Chloro-1,3-butadiene	Ave	0.5745	0.4400		7.66	10.0	-23.4	35.0
2-Butanone (MEK)	Ave	0.0148	0.0138		18.7	20.0	-6.6	50.0
Hexane	Ave	0.6147	0.5074		8.25	10.0	-17.5	35.0
Isopropyl ether	Ave	0.9290	0.8790		9.46	10.0	-5.4	35.0
Methacrylonitrile	Ave	0.0166	0.0151		90.8	100	-9.2	35.0
cis-1,2-Dichloroethene	Ave	0.4578	0.4139		9.04	10.0	-9.6	35.0
Ethyl acetate	Ave	0.0821	0.0751		18.3	20.0	-8.5	35.0
Chlorobromomethane	Ave	0.1703	0.1489		8.74	10.0	-12.6	35.0
Chloroform	Ave	0.6724	0.6713		9.98	10.0	-0.2	20.0
Tert-butyl ethyl ether	Ave	0.6851	0.6065		8.85	10.0	-11.5	35.0
Isobutyl alcohol	Ave	0.0070	0.0070		251	250	0.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-123757/2 Calibration Date: 12/26/2013 10:56

Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/03/2013 14:05

Lab File ID: C36001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.6430	0.5459		8.49	10.0	-15.1	35.0
Tetrahydrofuran	Lin1	0.0322	0.0249		17.5	20.0	-12.4	35.0
1,2-Dichloroethane	Ave	0.3210	0.2994		9.33	10.0	-6.7	35.0
1,1,1-Trichloroethane	Ave	0.6912	0.6309		9.13	10.0	-8.7	35.0
1,1-Dichloropropene	Ave	0.5700	0.4931		8.65	10.0	-13.5	35.0
Cyclohexane	Ave	0.6849	0.2917		4.26	10.0	-57.4*	35.0
Carbon tetrachloride	Ave	0.6114	0.5642		9.23	10.0	-7.7	35.0
Benzene	Ave	1.748	1.608		9.20	10.0	-8.0	35.0
Tert-amyl methyl ether	Ave	0.5743	0.5017		8.74	10.0	-12.6	35.0
Ethyl acrylate	Ave	0.1707	0.2013		11.8	10.0	17.9	35.0
Dibromomethane	Ave	0.1350	0.1326		9.82	10.0	-1.8	35.0
1,2-Dichloropropane	Ave	0.3580	0.3572		9.98	10.0	-0.2	20.0
Trichloroethene	Ave	0.5763	0.5694		9.88	10.0	-1.2	35.0
Bromodichloromethane	Ave	0.4129	0.4396		10.7	10.0	6.5	35.0
Methyl methacrylate	Ave	0.1160	0.1118		19.3	20.0	-3.6	50.0
1,4-Dioxane	Lin1	1.343	1.211		223	200	11.6	50.0
2-Chloroethyl vinyl ether	Ave	0.2344	0.2286		19.5	20.0	-2.5	35.0
2-Nitropropane	Ave	0.0610	0.0613		20.1	20.0	0.5	35.0
Methylcyclohexane	Ave	0.8356	0.5435		6.50	10.0	-35.0	35.0
cis-1,3-Dichloropropene	Ave	1.196	1.214		10.2	10.0	1.5	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1027	0.0977		19.0	20.0	-4.9	50.0
trans-1,3-Dichloropropene	Ave	0.8072	0.8201		10.2	10.0	1.6	35.0
n-Heptane	Lin	0.0441	0.0333		8.38	10.0	-16.3	35.0
1,1,2-Trichloroethane	Ave	0.5214	0.5369		10.3	10.0	3.0	35.0
Ethyl methacrylate	Ave	0.5080	0.4917		9.68	10.0	-3.2	50.0
Toluene	Ave	3.252	3.441		10.6	10.0	5.8	20.0
1,3-Dichloropropane	Ave	0.9114	0.9426		10.3	10.0	3.4	35.0
2-Hexanone	Lin1	0.1794	0.1612		19.5	20.0	-2.7	50.0
Dibromochloromethane	Ave	0.5998	0.6685		11.2	10.0	11.5	35.0
n-Butyl acetate	Ave	0.4249	0.3880		9.13	10.0	-8.7	35.0
1,2-Dibromoethane	Ave	0.4962	0.4947		9.97	10.0	-0.3	35.0
Tetrachloroethene	Ave	1.244	1.347		10.8	10.0	8.3	35.0
1,1,1,2-Tetrachloroethane	Ave	1.026	1.150		11.2	10.0	12.0	35.0
Chlorobenzene	Ave	3.525	3.821	0.3000	10.8	10.0	8.4	35.0
Ethylbenzene	Ave	2.184	2.412		11.0	10.0	10.4	20.0
m-Xylene & p-Xylene	Ave	2.740	3.004		11.0	10.0	9.6	35.0
Bromoform	Ave	0.2243	0.2812	0.1000	12.5	10.0	25.3	35.0
Styrene	Ave	3.295	3.596		10.9	10.0	9.2	35.0
Cyclohexanone	Lin1	0.0075	0.0075		543	500	8.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.4604	0.5359	0.3000	11.6	10.0	16.4	35.0
o-Xylene	Ave	2.537	2.784		11.0	10.0	9.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-123757/2 Calibration Date: 12/26/2013 10:56
 Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 12/03/2013 14:05
 Lab File ID: C36001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.0964	0.0903		9.36	10.0	-6.4	50.0
1,2,3-Trichloropropane	Ave	0.1460	0.1585		10.9	10.0	8.6	35.0
Isopropylbenzene	Ave	6.314	7.603		12.0	10.0	20.4	35.0
Bromobenzene	Ave	1.208	1.399		11.6	10.0	15.7	35.0
N-Propylbenzene	Ave	1.889	2.268		12.0	10.0	20.1	35.0
2-Chlorotoluene	Ave	1.582	1.830		11.6	10.0	15.7	35.0
4-Chlorotoluene	Ave	3.993	4.772		12.0	10.0	19.5	35.0
1,3,5-Trimethylbenzene	Ave	5.312	6.400		12.1	10.0	20.5	35.0
Pentachloroethane	Ave	0.5627	0.7522		13.4	10.0	33.7	35.0
tert-Butylbenzene	Ave	4.912	5.983		12.2	10.0	21.8	35.0
1,2,4-Trimethylbenzene	Ave	5.314	6.327		11.9	10.0	19.0	35.0
sec-Butylbenzene	Ave	7.169	9.003		12.6	10.0	25.6	35.0
Benzyl chloride	Ave	0.7207	0.8107		11.3	10.0	12.5	35.0
1,3-Dichlorobenzene	Ave	2.747	3.130		11.4	10.0	14.0	35.0
1,4-Dichlorobenzene	Ave	2.592	2.996		11.6	10.0	15.6	35.0
4-Isopropyltoluene	Ave	6.442	7.982		12.4	10.0	23.9	35.0
1,2,3-Trimethylbenzene	Ave	4.716	5.467		11.6	10.0	15.9	35.0
1,2-Dichlorobenzene	Ave	2.147	2.425		11.3	10.0	12.9	35.0
n-Butylbenzene	Ave	5.227	6.858		13.1	10.0	31.2	35.0
1,2-Dibromo-3-Chloropropane	Lin1	0.0743	0.0813		11.2	10.0	11.5	35.0
1,3,5-Trichlorobenzene	Ave	1.850	2.364		12.8	10.0	27.8	35.0
1,2,4-Trichlorobenzene	Lin1	1.309	1.630		13.5	10.0	35.0	35.0
Naphthalene	Ave	1.549	1.897		12.3	10.0	22.5	35.0
Hexachlorobutadiene	Lin1	0.3727	0.5421		15.1	10.0	51.4*	35.0
1,2,3-Trichlorobenzene	Ave	0.9574	1.200		12.5	10.0	25.3	35.0
Dibromofluoromethane	Ave	0.3290	0.3243		9.86	10.0	-1.4	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2420	0.2197		9.08	10.0	-9.2	35.0
Toluene-d8 (Surr)	Ave	4.203	4.267		10.2	10.0	1.5	35.0
4-Bromofluorobenzene	Ave	1.253	1.417		11.3	10.0	13.1	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-123637/4

Matrix: Water Lab File ID: C35805.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 13:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.0800	U	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.180	U	1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 600-123637/4
Matrix: Water Lab File ID: C35805.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 13:18
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	0.300	U	1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		70-130
1868-53-7	Dibromofluoromethane	109		62-130
460-00-4	4-Bromofluorobenzene	105		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	123		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-123757/3

Matrix: Water Lab File ID: C36004.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 12:24

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.990	U	5.00	0.990
71-43-2	Benzene	0.0800	U	1.00	0.0800
74-97-5	Chlorobromomethane	0.180	U	1.00	0.180
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
75-15-0	Carbon disulfide	0.240	U	2.00	0.240
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
124-48-1	Dibromochloromethane	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
591-78-6	2-Hexanone	0.350	U	2.00	0.350
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450
100-42-5	Styrene	0.0700	U	1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.180	U	1.00	0.180
108-05-4	Vinyl acetate	0.210	U	2.00	0.210
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
95-47-6	o-Xylene	0.120	U	1.00	0.120
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 600-123757/3
Matrix: Water Lab File ID: C36004.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 12:24
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
540-59-0	1,2-Dichloroethene, Total	0.300	U	1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		70-130
1868-53-7	Dibromofluoromethane	103		62-130
460-00-4	4-Bromofluorobenzene	114		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-123637/3

Matrix: Water Lab File ID: C35802.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 12:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	23.83		5.00	0.990
71-43-2	Benzene	9.962		1.00	0.0800
74-97-5	Chlorobromomethane	10.37		1.00	0.180
75-25-2	Bromoform	11.41		1.00	0.190
74-83-9	Bromomethane	7.508		2.00	0.250
78-93-3	2-Butanone (MEK)	22.54		2.00	0.760
75-15-0	Carbon disulfide	10.02		2.00	0.240
56-23-5	Carbon tetrachloride	9.981		1.00	0.150
124-48-1	Dibromochloromethane	10.65		1.00	0.150
108-90-7	Chlorobenzene	9.377		1.00	0.120
75-00-3	Chloroethane	9.030		2.00	0.0800
67-66-3	Chloroform	10.36		1.00	0.130
74-87-3	Chloromethane	4.759		2.00	0.180
75-34-3	1,1-Dichloroethane	9.982		1.00	0.110
107-06-2	1,2-Dichloroethane	10.84		1.00	0.140
75-35-4	1,1-Dichloroethene	9.271		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	9.027		1.00	0.0900
78-87-5	1,2-Dichloropropane	10.47		1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	9.983		1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	10.03		1.00	0.210
100-41-4	Ethylbenzene	8.975		1.00	0.110
591-78-6	2-Hexanone	21.69		2.00	0.350
75-09-2	Methylene Chloride	11.06		5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	21.87		2.00	0.450
100-42-5	Styrene	9.298		1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	11.68		1.00	0.220
127-18-4	Tetrachloroethene	9.005		1.00	0.130
108-88-3	Toluene	9.259		1.00	0.150
71-55-6	1,1,1-Trichloroethane	9.877		1.00	0.150
79-00-5	1,1,2-Trichloroethane	10.57		1.00	0.280
79-01-6	Trichloroethene	9.362		1.00	0.180
108-05-4	Vinyl acetate	18.52		2.00	0.210
75-01-4	Vinyl chloride	6.599		2.00	0.110
95-47-6	o-Xylene	9.380		1.00	0.120
179601-23-1	m-Xylene & p-Xylene	8.764		1.00	0.170
1330-20-7	Xylenes, Total	18.14		1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 600-123637/3
Matrix: Water Lab File ID: C35802.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 12:01
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	10.10		1.00	0.0600
75-27-4	Bromodichloromethane	11.12		1.00	0.160
540-59-0	1,2-Dichloroethene, Total	19.13		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		70-130
1868-53-7	Dibromofluoromethane	112		62-130
460-00-4	4-Bromofluorobenzene	110		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-123757/4

Matrix: Water Lab File ID: C36006.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 13:30

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	14.84		5.00	0.990
71-43-2	Benzene	9.785		1.00	0.0800
74-97-5	Chlorobromomethane	8.811		1.00	0.180
75-25-2	Bromoform	9.204		1.00	0.190
74-83-9	Bromomethane	9.261		2.00	0.250
78-93-3	2-Butanone (MEK)	16.94		2.00	0.760
75-15-0	Carbon disulfide	10.20		2.00	0.240
56-23-5	Carbon tetrachloride	10.40		1.00	0.150
124-48-1	Dibromochloromethane	8.745		1.00	0.150
108-90-7	Chlorobenzene	9.337		1.00	0.120
75-00-3	Chloroethane	11.38		2.00	0.0800
67-66-3	Chloroform	9.577		1.00	0.130
74-87-3	Chloromethane	10.05		2.00	0.180
75-34-3	1,1-Dichloroethane	9.890		1.00	0.110
107-06-2	1,2-Dichloroethane	8.853		1.00	0.140
75-35-4	1,1-Dichloroethene	9.511		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	9.548		1.00	0.0900
78-87-5	1,2-Dichloropropane	9.152		1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	8.828		1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	8.456		1.00	0.210
100-41-4	Ethylbenzene	9.803		1.00	0.110
591-78-6	2-Hexanone	13.54		2.00	0.350
75-09-2	Methylene Chloride	11.81		5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	14.08		2.00	0.450
100-42-5	Styrene	8.910		1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	7.912		1.00	0.220
127-18-4	Tetrachloroethene	10.07		1.00	0.130
108-88-3	Toluene	9.860		1.00	0.150
71-55-6	1,1,1-Trichloroethane	9.970		1.00	0.150
79-00-5	1,1,2-Trichloroethane	8.456		1.00	0.280
79-01-6	Trichloroethene	9.568		1.00	0.180
108-05-4	Vinyl acetate	12.97		2.00	0.210
75-01-4	Vinyl chloride	10.88		2.00	0.110
95-47-6	o-Xylene	9.484		1.00	0.120
179601-23-1	m-Xylene & p-Xylene	9.517		1.00	0.170
1330-20-7	Xylenes, Total	19.00		1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 600-123757/4
Matrix: Water Lab File ID: C36006.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 20 (mL) Date Analyzed: 12/26/2013 13:30
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	9.576		1.00	0.0600
75-27-4	Bromodichloromethane	9.232		1.00	0.160
540-59-0	1,2-Dichloroethene, Total	19.12		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	113		70-130
1868-53-7	Dibromofluoromethane	113		62-130
460-00-4	4-Bromofluorobenzene	123		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-MW12-12182013 Lab Sample ID: 600-84456-11 MS

Matrix: Water Lab File ID: C35808.D

Analysis Method: 8260B Date Collected: 12/18/2013 15:20

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 14:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	26.21		5.00	0.990
71-43-2	Benzene	10.38		1.00	0.0800
74-97-5	Chlorobromomethane	11.09		1.00	0.180
75-25-2	Bromoform	11.40		1.00	0.190
74-83-9	Bromomethane	5.995		2.00	0.250
78-93-3	2-Butanone (MEK)	25.58		2.00	0.760
75-15-0	Carbon disulfide	10.49		2.00	0.240
56-23-5	Carbon tetrachloride	10.76		1.00	0.150
124-48-1	Dibromochloromethane	10.80		1.00	0.150
108-90-7	Chlorobenzene	9.615		1.00	0.120
75-00-3	Chloroethane	8.368		2.00	0.0800
67-66-3	Chloroform	11.55		1.00	0.130
74-87-3	Chloromethane	4.244		2.00	0.180
75-34-3	1,1-Dichloroethane	13.40		1.00	0.110
107-06-2	1,2-Dichloroethane	11.68		1.00	0.140
75-35-4	1,1-Dichloroethene	9.799		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	9.950		1.00	0.0900
78-87-5	1,2-Dichloropropane	10.84		1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	9.861		1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	9.790		1.00	0.210
100-41-4	Ethylbenzene	9.158		1.00	0.110
591-78-6	2-Hexanone	22.19		2.00	0.350
75-09-2	Methylene Chloride	11.73		5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	23.66		2.00	0.450
100-42-5	Styrene	9.354		1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	11.60		1.00	0.220
127-18-4	Tetrachloroethene	10.72		1.00	0.130
108-88-3	Toluene	9.606		1.00	0.150
71-55-6	1,1,1-Trichloroethane	10.44		1.00	0.150
79-00-5	1,1,2-Trichloroethane	10.84		1.00	0.280
79-01-6	Trichloroethene	11.97		1.00	0.180
108-05-4	Vinyl acetate	19.20		2.00	0.210
75-01-4	Vinyl chloride	6.362		2.00	0.110
95-47-6	o-Xylene	9.639		1.00	0.120
179601-23-1	m-Xylene & p-Xylene	9.013		1.00	0.170
1330-20-7	Xylenes, Total	18.65		1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: BlancoSouth-MW12-12182013 Lab Sample ID: 600-84456-11 MS
Matrix: Water Lab File ID: C35808.D
Analysis Method: 8260B Date Collected: 12/18/2013 15:20
Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 14:36
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	15.38		1.00	0.0600
75-27-4	Bromodichloromethane	12.08		1.00	0.160
540-59-0	1,2-Dichloroethene, Total	25.33		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		70-130
1868-53-7	Dibromofluoromethane	117		62-130
460-00-4	4-Bromofluorobenzene	104		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: BlancoSouth-MW12-12182013 Lab Sample ID: 600-84456-11 MSD

Matrix: Water Lab File ID: C35809.D

Analysis Method: 8260B Date Collected: 12/18/2013 15:20

Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 15:02

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	25.85		5.00	0.990
71-43-2	Benzene	9.458		1.00	0.0800
74-97-5	Chlorobromomethane	10.30		1.00	0.180
75-25-2	Bromoform	10.79		1.00	0.190
74-83-9	Bromomethane	5.622		2.00	0.250
78-93-3	2-Butanone (MEK)	24.29		2.00	0.760
75-15-0	Carbon disulfide	9.531		2.00	0.240
56-23-5	Carbon tetrachloride	9.552		1.00	0.150
124-48-1	Dibromochloromethane	10.19		1.00	0.150
108-90-7	Chlorobenzene	8.873		1.00	0.120
75-00-3	Chloroethane	8.222		2.00	0.0800
67-66-3	Chloroform	10.47		1.00	0.130
74-87-3	Chloromethane	4.329		2.00	0.180
75-34-3	1,1-Dichloroethane	12.47		1.00	0.110
107-06-2	1,2-Dichloroethane	11.09		1.00	0.140
75-35-4	1,1-Dichloroethene	8.929		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	9.253		1.00	0.0900
78-87-5	1,2-Dichloropropane	10.10		1.00	0.160
10061-01-5	cis-1,3-Dichloropropene	9.383		1.00	0.180
10061-02-6	trans-1,3-Dichloropropene	9.520		1.00	0.210
100-41-4	Ethylbenzene	8.321		1.00	0.110
591-78-6	2-Hexanone	23.16		2.00	0.350
75-09-2	Methylene Chloride	11.08		5.00	0.150
108-10-1	4-Methyl-2-pentanone (MIBK)	23.38		2.00	0.450
100-42-5	Styrene	8.704		1.00	0.0700
79-34-5	1,1,2,2-Tetrachloroethane	11.44		1.00	0.220
127-18-4	Tetrachloroethene	9.773		1.00	0.130
108-88-3	Toluene	8.684		1.00	0.150
71-55-6	1,1,1-Trichloroethane	9.522		1.00	0.150
79-00-5	1,1,2-Trichloroethane	10.27		1.00	0.280
79-01-6	Trichloroethene	10.93		1.00	0.180
108-05-4	Vinyl acetate	18.84		2.00	0.210
75-01-4	Vinyl chloride	6.487		2.00	0.110
95-47-6	o-Xylene	8.835		1.00	0.120
179601-23-1	m-Xylene & p-Xylene	8.154		1.00	0.170
1330-20-7	Xylenes, Total	16.99		1.00	0.260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Client Sample ID: BlancoSouth-MW12-12182013 Lab Sample ID: 600-84456-11 MSD
 Matrix: Water Lab File ID: C35809.D
 Analysis Method: 8260B Date Collected: 12/18/2013 15:20
 Sample wt/vol: 20 (mL) Date Analyzed: 12/24/2013 15:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 123637 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	14.48		1.00	0.0600
75-27-4	Bromodichloromethane	11.05		1.00	0.160
540-59-0	1,2-Dichloroethene, Total	23.73		1.00	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		70-130
1868-53-7	Dibromofluoromethane	114		62-130
460-00-4	4-Bromofluorobenzene	104		67-139
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		50-134

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: VOAMS01 Start Date: 12/03/2013 11:03Analysis Batch Number: 122189 End Date: 12/03/2013 20:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-122189/1		12/03/2013 11:03	1	C33700.D	DB-624 0.18 (mm)
IC 600-122189/2		12/03/2013 12:01	1	C33702.D	DB-VRX 60 0.25 (mm)
IC 600-122189/3		12/03/2013 12:26	1	C33703.D	DB-VRX 60 0.25 (mm)
IC 600-122189/4		12/03/2013 12:52	1	C33704.D	DB-VRX 60 0.25 (mm)
ICIS 600-122189/5		12/03/2013 13:16	1	C33705.D	DB-VRX 60 0.25 (mm)
IC 600-122189/6		12/03/2013 13:40	1	C33706.D	DB-VRX 60 0.25 (mm)
IC 600-122189/7		12/03/2013 14:05	1	C33707.D	DB-VRX 60 0.25 (mm)
ZZZZZ		12/03/2013 15:52	1		DB-624 0.18 (mm)
ZZZZZ		12/03/2013 17:09	1		DB-624 0.18 (mm)
ZZZZZ		12/03/2013 17:35	1		DB-624 0.18 (mm)
ZZZZZ		12/03/2013 18:00	1		DB-624 0.18 (mm)
ZZZZZ		12/03/2013 18:26	1		DB-624 0.18 (mm)
ZZZZZ		12/03/2013 18:52	1		DB-624 0.18 (mm)
ZZZZZ		12/03/2013 19:17	1		DB-624 0.18 (mm)
ZZZZZ		12/03/2013 19:43	1		DB-624 0.18 (mm)
600-83793-A-9 MDLV		12/03/2013 20:09	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: VOAMS01 Start Date: 12/24/2013 10:10

Analysis Batch Number: 123637 End Date: 12/24/2013 21:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-123637/1		12/24/2013 10:10	1	C35800.D	DB-624 0.18 (mm)
CCVIS 600-123637/2		12/24/2013 11:25	1	C35801.D	DB-624 0.18 (mm)
LCS 600-123637/3		12/24/2013 12:01	1	C35802.D	DB-624 0.18 (mm)
MB 600-123637/4		12/24/2013 13:18	1	C35805.D	DB-624 0.18 (mm)
600-84456-11	BlancoSouth-MW12-1218 2013	12/24/2013 13:44	1	C35806.D	DB-624 0.18 (mm)
600-84456-12	BlancoSouth-EquBlank0 2-12182013	12/24/2013 14:10	1	C35807.D	DB-624 0.18 (mm)
600-84456-11 MS	BlancoSouth-MW12-1218 2013 MS	12/24/2013 14:36	1	C35808.D	DB-624 0.18 (mm)
600-84456-11 MSD	BlancoSouth-MW12-1218 2013 MSD	12/24/2013 15:02	1	C35809.D	DB-624 0.18 (mm)
ZZZZZ		12/24/2013 15:28	1		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 16:20	200		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 16:44	1		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 17:08	5		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 17:33	50		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 17:58	1		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 18:24	1		DB-624 0.18 (mm)
600-84456-5	BlancoSouth-MW08-1218 2013	12/24/2013 18:50	1	C35818.D	DB-624 0.18 (mm)
600-84456-1	BlancoSouth-MW13-1218 2013	12/24/2013 19:16	1	C35819.D	DB-624 0.18 (mm)
600-84456-2	BlancoSouth-EquBlank0 3-12182013	12/24/2013 19:41	1	C35820.D	DB-624 0.18 (mm)
ZZZZZ		12/24/2013 20:07	1		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 20:33	1		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 20:58	1		DB-624 0.18 (mm)
ZZZZZ		12/24/2013 21:24	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Instrument ID: VOAMS01Start Date: 12/26/2013 09:43Analysis Batch Number: 123757End Date: 12/26/2013 21:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-123757/1		12/26/2013 09:43	1	C36000.D	DB-624 0.18 (mm)
CCVIS 600-123757/2		12/26/2013 10:56	1	C36001.D	DB-624 0.18 (mm)
MB 600-123757/3		12/26/2013 12:24	1	C36004.D	DB-624 0.18 (mm)
LCS 600-123757/4		12/26/2013 13:30	1	C36006.D	DB-624 0.18 (mm)
ZZZZZ		12/26/2013 13:54	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 14:17	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 14:41	10		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 15:05	10		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 15:30	10		DB-624 0.18 (mm)
600-84456-3	BlancoSouth-MW15-1218 2013	12/26/2013 15:56	1	C36012.D	DB-624 0.18 (mm)
600-84456-4	BlancoSouth-IDW-12182 013	12/26/2013 16:22	1	C36013.D	DB-624 0.18 (mm)
ZZZZZ		12/26/2013 16:47	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 17:13	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 17:39	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 18:04	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 18:30	5		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 18:56	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 19:22	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 19:47	5		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 20:13	5		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 20:39	5		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 21:04	1		DB-624 0.18 (mm)
ZZZZZ		12/26/2013 21:30	1		DB-624 0.18 (mm)

8270C_LL

Semivolatile Organic Compounds by
GCMS - Low Levels by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): RXi-5ms ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
BlancoSouth-IDW-12 182013	600-84456-4	44	32	60	76	94	91
	MB 600-123505/1-A	49	30	66	77	57	93
	LCS 600-123505/2-A	57	40	65	71	71	78
	LCSD 600-123505/3-A	73	51	85	91	99	109

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5 (Surr)	12-128
NBZ = Nitrobenzene-d5	47-120
FBP = 2-Fluorobiphenyl	43-120
TBP = 2,4,6-Tribromophenol	44-123
TPH = Terphenyl-d14	33-141

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 12271307.D
Lab ID: LCS 600-123505/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	8.00	5.562	70	47-145	
Acenaphthylene	8.00	6.057	76	35-135	
Anthracene	8.00	6.083	76	53-124	
Benzidine	40.0	17.9 U	13	10-120	
Benzo[a]anthracene	8.00	6.521	82	53-122	
Benzo[b]fluoranthene	8.00	6.168	77	53-131	
Benzo[k]fluoranthene	8.00	6.171	77	46-130	
Benzo[g,h,i]perylene	8.00	6.722	84	46-133	
Benzo[a]pyrene	8.00	6.250	78	50-124	
Bis(2-chloroethoxy)methane	8.00	5.695	71	42-119	
Bis(2-chloroethyl)ether	8.00	6.042	76	40-112	
Bis(2-ethylhexyl) phthalate	8.00	6.963	87	47-132	
4-Bromophenyl phenyl ether	8.00	5.991	75	46-129	
Butyl benzyl phthalate	8.00	6.915	86	50-126	
4-Chloroaniline	8.00	4.013	50	19-129	
2-Chloronaphthalene	8.00	5.348	67	43-120	
4-Chlorophenyl phenyl ether	8.00	5.732	72	48-125	
Carbazole	8.00	9.046	113	42-169	
Chrysene	8.00	6.062	76	49-124	
Di-n-butyl phthalate	8.00	6.518	81	54-138	
Dibenz(a,h)anthracene	8.00	6.585	82	42-134	
Dibenzofuran	8.00	5.500	69	46-123	
1,2-Dichlorobenzene	8.00	4.671	58	40-121	
1,3-Dichlorobenzene	8.00	4.306	54	39-122	
1,4-Dichlorobenzene	8.00	4.348	54	45-124	
3,3'-Dichlorobenzidine	8.00	6.418	80	38-168	
Diethyl phthalate	8.00	6.419	80	51-123	
Dimethyl phthalate	8.00	5.961	75	49-121	
2,4-Dinitrotoluene	8.00	6.120	77	43-128	
Di-n-octyl phthalate	8.00	7.097	89	27-157	
Fluoranthene	8.00	6.128	77	53-127	
Fluorene	8.00	5.923	74	48-127	
Hexachlorobenzene	8.00	6.151	77	46-129	
Hexachlorocyclopentadiene	8.00	2.047	26	21-126	
Hexachloroethane	8.00	3.541	44	43-118	
Hexachlorobutadiene	8.00	3.582	45	32-143	
Indeno[1,2,3-cd]pyrene	8.00	6.441	81	45-124	
Isophorone	8.00	5.359	67	42-116	
2-Methylnaphthalene	8.00	5.244	66	40-121	
Naphthalene	8.00	5.477	68	39-120	
2-Nitroaniline	8.00	6.167	77	42-130	
3-Nitroaniline	8.00	0.1408 J	2	47-138	*

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 12271307.D
 Lab ID: LCS 600-123505/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4-Nitroaniline	8.00	8.316	104	32-139	
Nitrobenzene	8.00	5.721	72	42-119	
N-Nitrosodimethylamine	8.00	3.843	48	26-104	
N-Nitrosodiphenylamine	8.00	9.516	119	43-107	*
N-Nitrosodi-n-propylamine	8.00	5.864	73	39-124	
Phenanthrene	8.00	6.026	75	52-121	
Pyrene	8.00	6.370	80	49-121	
1,2,4-Trichlorobenzene	8.00	4.732	59	38-118	
Benzyl alcohol	8.00	4.701	59	39-115	
4-Chloro-3-methylphenol	8.00	5.192	65	44-131	
2-Chlorophenol	8.00	6.567	82	23-134	
2-Methylphenol	8.00	5.545	69	34-109	
3 & 4 Methylphenol	8.00	4.902	61	27-113	
2,4-Dichlorophenol	8.00	5.681	71	39-118	
2,4-Dimethylphenol	8.00	5.305	66	36-109	
4,6-Dinitro-2-methylphenol	16.0	9.047	57	24-122	
2,4-Dinitrophenol	16.0	4.766 J	30	23-130	
2-Nitrophenol	8.00	6.479	81	40-121	
4-Nitrophenol	16.0	5.612	35	14-132	
Pentachlorophenol	16.0	5.129	32	9-147	
Phenol	8.00	3.508	44	11-112	
2,4,5-Trichlorophenol	8.00	5.609	70	38-145	
2,4,6-Trichlorophenol	8.00	5.864	73	39-123	
2,6-Dinitrotoluene	8.00	6.123	77	45-122	
bis (2-Chloroisopropyl) ether	8.00	6.048	76	41-111	

Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 12271308.D
Lab ID: LCSD 600-123505/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	8.00	7.455	93	29	20	47-145	*
Acenaphthylene	8.00	7.496	94	21	20	35-135	*
Anthracene	8.00	7.208	90	17	20	53-124	
Benzydine	40.0	17.9 U	28	73	40	10-120	*
Benzo[a]anthracene	8.00	7.845	98	18	20	53-122	
Benzo[b]fluoranthene	8.00	8.173	102	28	20	53-131	*
Benzo[k]fluoranthene	8.00	7.646	96	21	20	46-130	*
Benzo[g,h,i]perylene	8.00	8.299	104	21	20	46-133	*
Benzo[a]pyrene	8.00	7.766	97	22	20	50-124	*
Bis(2-chloroethoxy)methane	8.00	6.962	87	20	20	42-119	
Bis(2-chloroethyl)ether	8.00	6.652	83	10	20	40-112	
Bis(2-ethylhexyl) phthalate	8.00	8.391	105	19	20	47-132	
4-Bromophenyl phenyl ether	8.00	7.410	93	21	20	46-129	*
Butyl benzyl phthalate	8.00	8.553	107	21	20	50-126	*
4-Chloroaniline	8.00	5.184	65	25	20	19-129	*
2-Chloronaphthalene	8.00	7.459	93	33	20	43-120	*
4-Chlorophenyl phenyl ether	8.00	7.347	92	25	20	48-125	*
Carbazole	8.00	7.163	90	23	20	42-169	*
Chrysene	8.00	7.014	88	15	20	49-124	
Di-n-butyl phthalate	8.00	7.668	96	16	20	54-138	
Dibenz(a,h)anthracene	8.00	8.227	103	22	20	42-134	*
Dibenzofuran	8.00	6.899	86	23	20	46-123	*
1,2-Dichlorobenzene	8.00	7.029	88	40	20	40-121	*
1,3-Dichlorobenzene	8.00	6.720	84	44	20	39-122	*
1,4-Dichlorobenzene	8.00	6.865	86	45	20	45-124	*
3,3'-Dichlorobenzidine	8.00	8.552	107	29	20	38-168	*
Diethyl phthalate	8.00	7.629	95	17	20	51-123	
Dimethyl phthalate	8.00	7.082	89	17	20	49-121	
2,4-Dinitrotoluene	8.00	7.377	92	19	20	43-128	
Di-n-octyl phthalate	8.00	8.523	107	18	20	27-157	
Fluoranthene	8.00	7.291	91	17	20	53-127	
Fluorene	8.00	7.217	90	20	20	48-127	
Hexachlorobenzene	8.00	7.553	94	20	20	46-129	
Hexachlorocyclopentadiene	8.00	4.226	53	69	20	21-126	*
Hexachloroethane	8.00	6.447	81	58	20	43-118	*
Hexachlorobutadiene	8.00	6.719	84	61	20	32-143	*
Indeno[1,2,3-cd]pyrene	8.00	7.848	98	20	20	45-124	
Isophorone	8.00	6.530	82	20	20	42-116	
2-Methylnaphthalene	8.00	7.442	93	35	20	40-121	*
Naphthalene	8.00	7.075	88	25	20	39-120	*
2-Nitroaniline	8.00	7.532	94	20	20	42-130	
3-Nitroaniline	8.00	0.2120 J	3	40	20	47-138	*

Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 12271308.D
 Lab ID: LCSD 600-123505/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
4-Nitroaniline	8.00	8.939	112	7	20	32-139	
Nitrobenzene	8.00	6.896	86	19	20	42-119	
N-Nitrosodimethylamine	8.00	4.516	56	16	20	26-104	
N-Nitrosodiphenylamine	8.00	13.84	173	37	20	43-107	*
N-Nitrosodi-n-propylamine	8.00	6.900	86	16	20	39-124	
Phenanthrene	8.00	7.241	91	18	20	52-121	
Pyrene	8.00	7.786	97	20	20	49-121	
1,2,4-Trichlorobenzene	8.00	7.196	90	41	20	38-118	*
Benzyl alcohol	8.00	6.067	76	25	20	39-115	*
4-Chloro-3-methylphenol	8.00	6.662	83	25	20	44-131	*
2-Chlorophenol	8.00	7.711	96	16	20	23-134	
2-Methylphenol	8.00	6.958	87	23	20	34-109	*
3 & 4 Methylphenol	8.00	6.596	82	29	20	27-113	*
2,4-Dichlorophenol	8.00	8.079	101	35	20	39-118	*
2,4-Dimethylphenol	8.00	7.446	93	34	20	36-109	*
4,6-Dinitro-2-methylphenol	16.0	11.11	69	20	20	24-122	
2,4-Dinitrophenol	16.0	5.270	33	10	20	23-130	
2-Nitrophenol	8.00	8.317	104	25	20	40-121	*
4-Nitrophenol	16.0	6.730	42	18	20	14-132	
Pentachlorophenol	16.0	6.588	41	25	20	9-147	*
Phenol	8.00	4.404	55	23	20	11-112	*
2,4,5-Trichlorophenol	8.00	7.549	94	29	20	38-145	*
2,4,6-Trichlorophenol	8.00	7.605	95	26	20	39-123	*
2,6-Dinitrotoluene	8.00	7.486	94	20	20	45-122	
bis (2-Chloroisopropyl) ether	8.00	7.177	90	17	20	41-111	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: 12311307.D Lab Sample ID: MB 600-123505/1-A
Matrix: Water Date Extracted: 12/23/2013 10:49
Instrument ID: SVMS08 Date Analyzed: 12/31/2013 14:28
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-123505/2-A	12271307.D	12/27/2013 13:24
	LCSD 600-123505/3-A	12271308.D	12/27/2013 13:49
BlancoSouth-IDW-12182013	600-84456-4	12271322.D	12/27/2013 19:54

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: 10181303.D DFTPP Injection Date: 10/18/2013
Instrument ID: SVMS08 DFTPP Injection Time: 08:46
Analysis Batch No.: 118633

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	56.7
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	73.8
70	Less than 2.0 % of mass 69	0.2 (0.2) 1
127	40.0 - 60.0 % of mass 198	46.0
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	21.5
365	Greater than 1.0 % of mass 198	1.9
441	Present but less than mass 443	12.6 (73.1) 3
442	Greater than 40.0 % of mass 198	83.3
443	17.0 - 23.0 % of mass 442	17.2 (20.7) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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
	IC 600-118633/2	10181304.D	10/18/2013	09:00
	IC 600-118633/3	10181305.D	10/18/2013	09:26
	IC 600-118633/4	10181306.D	10/18/2013	09:53
	IC 600-118633/5	10181307.D	10/18/2013	10:20
	ICIS 600-118633/6	10181308.D	10/18/2013	10:47
	IC 600-118633/7	10181309.D	10/18/2013	11:14
	IC 600-118633/8	10181310.D	10/18/2013	11:41
	IC 600-118633/9	10181311.D	10/18/2013	12:08

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: 12191302.D DFTPP Injection Date: 12/19/2013
Instrument ID: SVMS08 DFTPP Injection Time: 12:43
Analysis Batch No.: 123712

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	48.9
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	38.3
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	40.0 - 60.0 % of mass 198	57.0
197	Less than 1.0 % of mass 198	0.5
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.9
275	10.0 - 30.0 % of mass 198	23.7
365	Greater than 1.0 % of mass 198	3.2
441	Present but less than mass 443	14.4 (76.4) 3
442	Greater than 40.0 % of mass 198	97.5
443	17.0 - 23.0 % of mass 442	18.8 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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
	IC 600-123712/2	12191303.D	12/19/2013	12:57
	IC 600-123712/3	12191304.D	12/19/2013	13:23
	IC 600-123712/4	12191305.D	12/19/2013	13:49
	IC 600-123712/5	12191306.D	12/19/2013	14:15
	ICIS 600-123712/6	12191307.D	12/19/2013	14:41
	IC 600-123712/7	12191308.D	12/19/2013	15:07
	IC 600-123712/8	12191309.D	12/19/2013	15:33
	IC 600-123712/9	12191310.D	12/19/2013	15:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: 12271301.D DFTPP Injection Date: 12/27/2013
Instrument ID: SVMS08 DFTPP Injection Time: 09:39
Analysis Batch No.: 123836

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	37.0
68	Less than 2.0 % of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.4
70	Less than 2.0 % of mass 69	0.1 (0.4) 1
127	40.0 - 60.0 % of mass 198	52.0
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.8
275	10.0 - 30.0 % of mass 198	23.2
365	Greater than 1.0 % of mass 198	2.9
441	Present but less than mass 443	14.5 (72.8) 3
442	Greater than 40.0 % of mass 198	101.2
443	17.0 - 23.0 % of mass 442	19.9 (19.7) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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 600-123836/2	12271303.D	12/27/2013	10:19
	CCV 600-123836/4	12271305.D	12/27/2013	11:37
	LCS 600-123505/2-A	12271307.D	12/27/2013	13:24
	LCSD 600-123505/3-A	12271308.D	12/27/2013	13:49
BlancoSouth-IDW-1218201 3	600-84456-4	12271322.D	12/27/2013	19:54

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab File ID: 12311301.D DFTPP Injection Date: 12/31/2013
Instrument ID: SVMS08 DFTPP Injection Time: 10:22
Analysis Batch No.: 124073

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	42.7
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	43.2
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	40.0 - 60.0 % of mass 198	63.6
197	Less than 1.0 % of mass 198	0.6
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.8
275	10.0 - 30.0 % of mass 198	21.6
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	12.3 (70.8) 3
442	Greater than 40.0 % of mass 198	84.9
443	17.0 - 23.0 % of mass 442	17.4 (20.5) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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
	CCV 600-124073/3	12311305.D	12/31/2013	11:53
	CCVIS 600-124073/4	12311306.D	12/31/2013	14:01
	MB 600-123505/1-A	12311307.D	12/31/2013	14:28

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: CCVIS 600-123836/2 Date Analyzed: 12/27/2013 10:19
 Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm)
 Lab File ID (Standard): 12271303.D Heated Purge: (Y/N) N
 Calibration ID: 2687

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		702219	5.96	3418475	7.15	1783186	8.87
UPPER LIMIT		1404438	6.46	6836950	7.65	3566372	9.37
LOWER LIMIT		351110	5.46	1709238	6.65	891593	8.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 600-123836/4		514304	5.96	3191138	7.15	1403168	8.87
LCS 600-123505/2-A		750189	5.96	3678891	7.15	1873515	8.87
LCSD 600-123505/3-A		791562	5.96	3808228	7.15	1884429	8.87
600-84456-4	BlancoSouth-IDW-12182013	754237	5.96	3970333	7.15	1963608	8.87

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-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 Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: CCVIS 600-123836/2 Date Analyzed: 12/27/2013 10:19
 Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm)
 Lab File ID (Standard): 12271303.D Heated Purge: (Y/N) N
 Calibration ID: 2687

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2907028	10.34	2584730	13.47	2363762	15.91
UPPER LIMIT		5814056	10.84	5169460	13.97	4727524	16.41
LOWER LIMIT		1453514	9.84	1292365	12.97	1181881	15.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 600-123836/4		2351798	10.33	2525828	13.46	2088907	15.91
LCS 600-123505/2-A		3098156	10.34	2782945	13.47	2540050	15.91
LCSD 600-123505/3-A		3103497	10.34	2776225	13.47	2490155	15.91
600-84456-4	BlancoSouth-IDW-12182013	3347957	10.34	2954181	13.47	2659089	15.92

PHN = Phenanthrene-d10

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 Houston Job No.: 600-84456-1
SDG No.: _____
Sample No.: CCVIS 600-124073/4 Date Analyzed: 12/31/2013 14:01
Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm)
Lab File ID (Standard): 12311306.D Heated Purge: (Y/N) N
Calibration ID: 2687

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		712492	5.92	3298194	7.11	1834032	8.82
UPPER LIMIT		1424984	6.42	6596388	7.61	3668064	9.32
LOWER LIMIT		356246	5.42	1649097	6.61	917016	8.32
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 600-123505/1-A		683948	5.92	3714603	7.11	1790607	8.82

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-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 Houston Job No.: 600-84456-1
SDG No.: _____
Sample No.: CCVIS 600-124073/4 Date Analyzed: 12/31/2013 14:01
Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm)
Lab File ID (Standard): 12311306.D Heated Purge: (Y/N) N
Calibration ID: 2687

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	2996019	10.29	2704198	13.40	2496176	15.83
UPPER LIMIT	5992038	10.79	5408396	13.90	4992352	16.33
LOWER LIMIT	1498010	9.79	1352099	12.90	1248088	15.33
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 600-123505/1-A		3053234	10.29	2915951	13.40	2634266 15.83

PHN = Phenanthrene-d10

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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: <u>BlancoSouth-IDW-12182013</u>	Lab Sample ID: <u>600-84456-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>12271322.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: <u>12/18/2013 08:00</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/27/2013 19:54</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123836</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.160	U *	1.00	0.160
208-96-8	Acenaphthylene	0.160	U *	1.00	0.160
120-12-7	Anthracene	0.440	U	1.50	0.440
92-87-5	Benzidine	17.9	U *	50.0	17.9
56-55-3	Benzo[a]anthracene	0.250	U	2.00	0.250
205-99-2	Benzo[b]fluoranthene	0.372	J *	2.00	0.180
207-08-9	Benzo[k]fluoranthene	0.160	U *	2.00	0.160
191-24-2	Benzo[g,h,i]perylene	0.350	U *	2.50	0.350
50-32-8	Benzo[a]pyrene	0.277	J *	1.50	0.130
111-91-1	Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190
111-44-4	Bis(2-chloroethyl)ether	0.180	U	1.50	0.180
117-81-7	Bis(2-ethylhexyl) phthalate	1.35	J B	2.50	0.590
101-55-3	4-Bromophenyl phenyl ether	0.250	U *	1.50	0.250
85-68-7	Butyl benzyl phthalate	1.62	J B *	2.50	0.850
106-47-8	4-Chloroaniline	0.110	U *	1.00	0.110
91-58-7	2-Chloronaphthalene	0.190	U *	1.50	0.190
7005-72-3	4-Chlorophenyl phenyl ether	0.230	U *	1.50	0.230
86-74-8	Carbazole	0.350	U *	5.00	0.350
218-01-9	Chrysene	0.240	U	1.50	0.240
84-74-2	Di-n-butyl phthalate	1.87	U	5.00	1.87
53-70-3	Dibenz(a,h)anthracene	0.290	U *	2.50	0.290
132-64-9	Dibenzofuran	0.160	U *	1.50	0.160
95-50-1	1,2-Dichlorobenzene	2.22	*	1.75	0.210
541-73-1	1,3-Dichlorobenzene	0.100	U *	1.50	0.100
106-46-7	1,4-Dichlorobenzene	0.160	U *	2.00	0.160
91-94-1	3,3'-Dichlorobenzidine	0.320	U *	5.00	0.320
84-66-2	Diethyl phthalate	4.19	U	5.00	4.19
131-11-3	Dimethyl phthalate	0.180	U	2.50	0.180
121-14-2	2,4-Dinitrotoluene	0.320	U	1.50	0.320
117-84-0	Di-n-octyl phthalate	0.873	J	5.00	0.160
206-44-0	Fluoranthene	0.310	U	2.50	0.310
86-73-7	Fluorene	0.122	J	1.50	0.120
118-74-1	Hexachlorobenzene	0.250	U	1.50	0.250
77-47-4	Hexachlorocyclopentadiene	0.150	U *	1.50	0.150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: <u>BlancoSouth-IDW-12182013</u>	Lab Sample ID: <u>600-84456-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>12271322.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: <u>12/18/2013 08:00</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/27/2013 19:54</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123836</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	0.170	U *	2.00	0.170
87-68-3	Hexachlorobutadiene	0.190	U *	2.00	0.190
193-39-5	Indeno[1,2,3-cd]pyrene	0.291	J	2.00	0.290
78-59-1	Isophorone	0.150	U	1.50	0.150
91-57-6	2-Methylnaphthalene	1.02	J *	1.50	0.140
91-20-3	Naphthalene	0.823	J *	2.00	0.160
88-74-4	2-Nitroaniline	0.350	U	2.50	0.350
99-09-2	3-Nitroaniline	0.130	U *	2.50	0.130
100-01-6	4-Nitroaniline	0.230	U	2.50	0.230
98-95-3	Nitrobenzene	0.200	U	1.50	0.200
62-75-9	N-Nitrosodimethylamine	0.160	U	2.00	0.160
86-30-6	N-Nitrosodiphenylamine	0.330	U *	1.50	0.330
621-64-7	N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240
85-01-8	Phenanthrene	0.290	U	1.50	0.290
129-00-0	Pyrene	0.330	U	2.00	0.330
120-82-1	1,2,4-Trichlorobenzene	0.160	U *	2.00	0.160
100-51-6	Benzyl alcohol	0.510	U *	2.00	0.510
59-50-7	4-Chloro-3-methylphenol	0.250	U *	1.00	0.250
95-57-8	2-Chlorophenol	0.220	U	2.00	0.220
95-48-7	2-Methylphenol	0.190	U *	1.50	0.190
15831-10-4	3 & 4 Methylphenol	0.160	U *	1.00	0.160
120-83-2	2,4-Dichlorophenol	0.260	U *	2.50	0.260
105-67-9	2,4-Dimethylphenol	0.180	U *	2.50	0.180
534-52-1	4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160
51-28-5	2,4-Dinitrophenol	0.400	U	5.00	0.400
88-75-5	2-Nitrophenol	0.220	U *	1.00	0.220
100-02-7	4-Nitrophenol	0.330	U	2.50	0.330
87-86-5	Pentachlorophenol	0.960	U *	2.50	0.960
108-95-2	Phenol	0.140	U *	1.50	0.140
95-95-4	2,4,5-Trichlorophenol	0.290	U *	2.00	0.290
88-06-2	2,4,6-Trichlorophenol	0.330	U *	2.00	0.330
606-20-2	2,6-Dinitrotoluene	0.290	U	1.00	0.290
108-60-1	bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: BlancoSouth-IDW-12182013 Lab Sample ID: 600-84456-4
Matrix: Water Lab File ID: 12271322.D
Analysis Method: 8270C LL Date Collected: 12/18/2013 08:00
Extract. Method: 3510C Date Extracted: 12/23/2013 10:49
Sample wt/vol: 250 (mL) Date Analyzed: 12/27/2013 19:54
Con. Extract Vol.: 1.00 (mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 123836 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	91		33-141
4165-60-0	Nitrobenzene-d5	60		47-120
367-12-4	2-Fluorophenol	44		18-120
321-60-8	2-Fluorobiphenyl	76		43-120
118-79-6	2,4,6-Tribromophenol	94		44-123
4165-62-2	Phenol-d5 (Surr)	32		12-128

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-118633/2	10181304.D
Level 2	IC 600-118633/3	10181305.D
Level 3	IC 600-118633/4	10181306.D
Level 4	IC 600-118633/5	10181307.D
Level 5	ICIS 600-118633/6	10181308.D
Level 6	IC 600-118633/7	10181309.D
Level 7	IC 600-118633/8	10181310.D
Level 8	IC 600-118633/9	10181311.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 5		B	M1	M2								
N-Nitrosodimethylamine	2.2790 2.1673	2.0993 2.1193	2.1317 2.0687	2.3649	2.2569	Ave		2.1859				4.7		15.0			
Pyridine	2.0348 2.6514	2.0581 2.8190	2.1860 2.9489	2.5346	2.7363	Ave		2.4961				14.3		15.0			
Aniline	4.4313 4.4074	4.4356 3.8021	4.4882 3.4979	4.3087	4.3726	Ave		4.2180				8.6		15.0			
Phenol	3.8437 3.7932	3.8216 3.7249	3.8800 3.5745	4.0222	3.8356	Ave		3.8120				3.4		15.0			
Bis(2-chloroethyl)ether	3.1123 3.1504	3.1552 3.5722	3.1528 2.9972	3.5266	3.2050	Ave		3.2340				6.3		15.0			
2-Chlorophenol	1.4604 1.5847	1.5003 1.5544	1.5433 1.5389	1.6210	1.5686	Ave		1.5465				3.2		15.0			
1,3-Dichlorobenzene	1.8086 1.7015	1.8356 1.7057	1.6916 1.6022	1.8003	1.6968	Ave		1.7303				4.5		15.0			
1,4-Dichlorobenzene	1.5974 1.5244	1.6052 1.4661	1.5342 1.5399	1.4932	1.5457	Ave		1.5383				3.1		15.0			
Benzyl alcohol	1.9345 2.2624	1.9828 2.1926	2.1152 2.1982	2.2565	2.2538	Ave		2.1495				5.9		15.0			
1,2-Dichlorobenzene	1.5972 1.5219	1.4315 1.4949	1.4257 1.4678	1.5703	1.5519	Ave		1.5076				4.2		15.0			
bis (2-Chloroisopropyl) ether	4.9996 4.2013	5.0865 3.9655	4.7323 3.7117	4.7783	4.3782	Ave		4.4817				11.1		15.0			
2-Methylphenol	2.1442 2.0383	1.9122 2.0079	1.9935 1.9172	2.1958	2.0810	Ave		2.0362				5.0		15.0			
Acetophenone	2.8381 2.9006	2.9203 2.8564	2.9937 2.7674	3.0503	2.9659	Ave		2.9116				3.1		15.0			
N-Nitrosodi-n-propylamine	1.8620 2.0745	2.0139 2.0189	2.0093 1.9784	2.1594	1.9726	Ave		2.0111			0.0500	4.2		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

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 5		B	M1	M2								
3 & 4 Methylphenol	2.1120 2.1821	2.0485 2.1112	1.9175 2.0529	2.2911	2.2058	Ave		2.1151				5.4		15.0			
Hexachloroethane	0.6681 0.6765	0.6594 0.6287	0.6465 0.6684	0.6830	0.6224	Ave		0.6566				3.4		15.0			
Nitrobenzene	0.7273 0.8034	0.7251 0.7899	0.8138 0.7342	0.8392	0.7900	Ave		0.7779				5.6		15.0			
Isophorone	1.1215 1.4222	1.3064 1.3946	1.3583 1.2910	1.4528	1.4706	Ave		1.3522				8.4		15.0			
2-Nitrophenol	++++ 0.1886	0.1405 0.1960	0.1710 0.1945	0.1816	0.1918	Ave		0.1806				10.9		15.0			
2,4-Dimethylphenol	0.3787 0.4603	0.4189 0.4559	0.4225 0.4267	0.4505	0.4360	Ave		0.4312				6.1		15.0			
Bis(2-chloroethoxy)methane	0.8258 0.8215	0.8159 0.8598	0.8333 0.8110	0.8585	0.8389	Ave		0.8331				2.2		15.0			
Benzoic acid	0.0512 0.2354	0.1065 0.2388	0.1590 0.2302	0.2050	0.2211	Lin1	0.4911	0.2475							0.9960		0.9900
2,4-Dichlorophenol	0.2144 0.2794	0.2581 0.2623	0.2565 0.2619	0.2828	0.2579	Ave		0.2592				8.0		15.0			
1,2,4-Trichlorobenzene	0.2695 0.2828	0.2890 0.2652	0.2683 0.2628	0.2715	0.2641	Ave		0.2716				3.5		15.0			
Naphthalene	1.0994 1.1316	1.1589 1.0463	1.1497 1.0084	1.1198	1.1049	Ave		1.1024				4.7		15.0			
4-Chloroaniline	0.3209 0.3830	0.3222 0.3854	0.3500 0.3618	0.3495	0.3708	Ave		0.3555				7.0		15.0			
Hexachlorobutadiene	0.1192 0.1345	0.1340 0.1241	0.1230 0.1281	0.1213	0.1208	Ave		0.1256				4.7		15.0			
Caprolactam	0.0904 0.1868	0.1205 0.1863	0.1511 0.1863	0.1728	0.1827	Lin1	0.0320	0.1887							0.9996		0.9900
4-Chloro-3-methylphenol	0.3038 0.4240	0.3471 0.4027	0.3885 0.4087	0.4051	0.4107	Ave		0.3863				10.5		15.0			
2-Methylnaphthalene	0.6825 0.6320	0.6690 0.6280	0.6526 0.6405	0.6655	0.6618	Ave		0.6540				2.9		15.0			
1-Methylnaphthalene	0.5966 0.5927	0.6087 0.5815	0.6232 0.5730	0.6127	0.6084	Ave		0.5996				2.8		15.0			
1,2,4,5-Tetrachlorobenzene	0.4697 0.4558	0.4513 0.4491	0.4715 0.4607	0.4743	0.5029	Ave		0.4669				3.7		15.0			
Hexachlorocyclopentadiene	0.1188 0.2163	0.1385 0.2221	0.1632 0.2344	0.2054	0.2113	Lin1	0.0353	0.2275			0.0500				0.9975		0.9900
2,4,6-Trichlorophenol	0.2590 0.3467	0.2964 0.4023	0.3106 0.3614	0.3682	0.3491	Ave		0.3367				13.5		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

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 5		B	M1	M2								
2,4,5-Trichlorophenol	0.2001 0.3066	0.2757 0.2504	0.3081 0.2960	0.3004	0.2742	Ave		0.2764				13.2		15.0			
1,1'-Biphenyl	1.4405 1.3588	1.4733 1.3272	1.4485 1.3080	1.4638	1.3870	Ave		1.4009				4.6		15.0			
2-Chloronaphthalene	1.0408 1.0205	1.1124 1.0055	1.0662 0.9975	1.0762	1.0239	Ave		1.0429				3.8		15.0			
2-Nitroaniline	0.1975 0.4014	0.2723 0.4420	0.3367 0.4326	0.3833	0.3937	Lin1	0.0352	0.4306							0.9978		0.9900
Dimethyl phthalate	1.0595 1.1622	1.1077 1.1392	1.1699 1.1548	1.2247	1.1930	Ave		1.1514				4.4		15.0			
1,3-Dinitrobenzene	0.1115 0.2414	0.1467 0.2398	0.1895 0.2443	0.2134	0.2186	Lin1	0.0360	0.2427							0.9984		0.9900
2,6-Dinitrotoluene	++++ 0.3128	0.2474 0.2980	0.2697 0.3158	0.2990	0.3143	Ave		0.2938				8.8		15.0			
1,2-Dinitrobenzene	++++ 0.3360	0.2373 0.3283	0.2805 0.3293	0.3253	0.3450	Ave		0.3117				12.4		15.0			
Acenaphthylene	1.7120 1.7105	1.7593 1.7024	1.7638 1.6820	1.8139	1.7770	Ave		1.7401				2.6		15.0			
3-Nitroaniline	0.4130 0.5742	0.4860 0.5452	0.5403 0.5397	0.5909	0.5352	Ave		0.5281				10.5		15.0			
Acenaphthene	1.1289 1.0702	1.1456 1.0549	1.1206 1.0712	1.1151	1.0992	Ave		1.1007				2.9		15.0			
2,4-Dinitrophenol	0.0131 0.1509	0.0245 0.1472	0.0580 0.1701	0.0941	0.1213	Qua	0.2020	7.7020	-2.421		0.0500				0.9966		0.9900
4-Nitrophenol	0.0448 0.1181	0.0512 0.1196	0.0866 0.1135	0.1021	0.1152	Lin1	0.0869	0.1188			0.0500				0.9979		0.9900
2,4-Dinitrotoluene	++++ 0.3693	0.2547 0.3611	0.3233 0.3583	0.3840	0.3834	Ave		0.3477				13.2		15.0			
Dibenzofuran	1.5481 1.4286	1.4973 1.3998	1.5492 1.3710	1.5097	1.4834	Ave		1.4734				4.5		15.0			
2,3,4,6-Tetrachlorophenol	0.1878 0.2764	0.2222 0.2693	0.2273 0.2821	0.2413	0.2604	Ave		0.2458				13.1		15.0			
Diethyl phthalate	1.1197 1.0545	1.0595 1.0209	1.1609 0.9506	1.1617	1.1280	Ave		1.0820				6.8		15.0			
Fluorene	1.2069 1.1856	1.2122 1.1589	1.2733 1.1510	1.3008	1.2375	Ave		1.2158				4.3		15.0			
4-Chlorophenyl phenyl ether	0.5749 0.5546	0.5670 0.5447	0.5967 0.5079	0.5967	0.5808	Ave		0.5654				5.2		15.0			
4-Nitroaniline	0.1486 0.3026	0.1811 0.2950	0.2687 0.2737	0.3158	0.3520	Qua	0.0686	2.1124	2.0652						0.9979		0.9900

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

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 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	0.0330 0.0840	0.0407 0.0885	0.0627 0.0949	0.0776	0.0844	Lin1	0.0934	0.0913							0.9962		0.9900
Diphenylamine	0.7583 0.8776	0.8671 0.8570	0.9237 0.8581	0.9464	0.9071	Ave		0.8744				6.5		15.0			
N-Nitrosodiphenylamine	0.4727 0.5413	0.5462 0.5418	0.5746 0.5683	0.5882	0.5558	Ave		0.5486				6.4		15.0			
1,2-Diphenylhydrazine	1.7095 1.7433	1.9587 1.7999	2.0127 1.7136	2.0383	1.9276	Ave		1.8629				7.3		15.0			
Azobenzene	5.6438 6.0604	6.2648 5.4290	6.3215 5.3224	6.6327	5.9228	Ave		5.9497				7.7		15.0			
4-Bromophenyl phenyl ether	0.1621 0.1831	0.1746 0.1859	0.1844 0.1905	0.1897	0.1882	Ave		0.1823				5.3		15.0			
Hexachlorobenzene	0.1887 0.1756	0.1812 0.1754	0.1812 0.1904	0.1799	0.1735	Ave		0.1807				3.4		15.0			
Pentachlorophenol	0.0627 0.1055	0.0689 0.1059	0.0924 0.1202	0.1046	0.1059	Lin1	0.0637	0.1131							0.9958		0.9900
Phenanthrene	1.2241 1.1419	1.2885 1.1969	1.2055 1.2338	1.3073	1.1937	Ave		1.2240				4.4		15.0			
Anthracene	0.9903 1.0357	1.0297 0.9869	1.1251 1.0038	1.1221	1.0497	Ave		1.0429				5.2		15.0			
Carbazole	0.9144 0.9064	0.8793 0.8176	0.9190 0.8662	1.0096	0.9602	Ave		0.9091				6.4		15.0			
Di-n-butyl phthalate	0.9500 1.1080	1.0702 1.0673	1.1795 1.0531	1.2252	1.1719	Ave		1.1032				7.9		15.0			
Fluoranthene	1.0251 1.0602	1.1180 1.0227	1.1575 1.0144	1.1647	1.1134	Ave		1.0845				5.7		15.0			
Benzidine	++++ 0.2022	0.2521 0.2084	0.2247 0.1923	0.1775	0.1856	Ave		0.2061				12.4		15.0			
Pyrene	1.2002 1.1110	1.2127 1.0710	1.2577 1.1159	1.2265	1.1579	Ave		1.1691				5.6		15.0			
Butyl benzyl phthalate	0.0766 0.1484	0.0916 0.1457	0.1243 0.1554	0.1391	0.1442	Lin1	0.0326	0.1521							0.9988		0.9900
3,3'-Dichlorobenzidine	0.2339 0.3341	0.2466 0.3264	0.2892 0.3430	0.3200	0.3184	Ave		0.3015				13.6		15.0			
Benzo[a]anthracene	1.0946 1.1027	1.0811 1.0656	1.1358 1.1128	1.1609	1.1383	Ave		1.1115				2.9		15.0			
Chrysene	1.0450 0.9014	1.0357 0.8615	1.0622 0.8479	0.9826	0.9680	Ave		0.9630				8.7		15.0			
Bis(2-ethylhexyl) phthalate	++++ 0.7165	0.5347 0.6783	0.6735 0.6802	0.7526	0.7392	Ave		0.6821				10.6		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

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 5		B	M1	M2								
Di-n-octyl phthalate	0.6414 1.2872	0.7617 1.2842	1.0685 1.2095	1.2186	1.2785	Lin1	0.0301	1.2792							0.9985		0.9900
Benzo[b]fluoranthene	0.9947 1.1401	0.9230 1.1153	1.1466 1.2179	1.1157	1.1430	Ave		1.0995				8.6		15.0			
Benzo[k]fluoranthene	0.9500 0.9909	1.1240 1.0866	1.1191 0.9052	1.1603	1.1379	Ave		1.0592				9.1		15.0			
Benzo[a]pyrene	0.6914 1.0097	0.8465 1.0009	0.9576 1.0025	1.0158	1.0292	Ave		0.9442				12.5		15.0			
Indeno[1,2,3-cd]pyrene	++++ 0.9357	0.6374 0.9937	0.7667 0.9405	0.8672	0.8786	Ave		0.8600				14.1		15.0			
Dibenz(a,h)anthracene	0.6196 0.9218	0.7214 0.9433	0.8241 0.8746	0.8765	0.9147	Ave		0.8370				13.4		15.0			
Benzo[g,h,i]perylene	0.7556 0.9271	0.8080 0.9268	0.8632 0.8954	0.8940	0.9186	Ave		0.8736				7.1		15.0			
2-Fluorophenol	1.3119 1.6628	1.6724 1.7522	1.6211 1.7802	1.7516	1.6263	Ave		1.6473				9.0		15.0			
Phenol-d5 (Surr)	3.1341 3.1647	3.2639 3.0185	3.2320 2.9491	3.3305	3.2181	Ave		3.1638				4.0		15.0			
Nitrobenzene-d5	0.7012 0.8201	0.7294 0.8017	0.8149 0.7565	0.7756	0.7638	Ave		0.7704				5.4		15.0			
2-Fluorobiphenyl	1.3402 1.1851	1.2733 1.1678	1.2478 1.1636	1.2575	1.2055	Ave		1.2301				5.0		15.0			
2,4,6-Tribromophenol	++++ 0.1236	0.0852 0.1229	0.1117 0.1283	0.1124	0.1248	Ave		0.1155				12.8		15.0			
Terphenyl-d14	0.8606 0.7442	0.8204 0.7373	0.8309 0.7731	0.8289	0.7728	Ave		0.7960				5.7		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-118633/2	10181304.D
Level 2	IC 600-118633/3	10181305.D
Level 3	IC 600-118633/4	10181306.D
Level 4	IC 600-118633/5	10181307.D
Level 5	ICIS 600-118633/6	10181308.D
Level 6	IC 600-118633/7	10181309.D
Level 7	IC 600-118633/8	10181310.D
Level 8	IC 600-118633/9	10181311.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	148037 4135086	277789 5257867	714044 6432154	1514813	2963100	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Pyridine	DCB	Ave	132175 5058831	272343 6993948	732222 9168788	1623463	3592554	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Aniline	DCB	Ave	287846 8409190	586940 9433003	1503373 10875926	2759852	5740860	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Phenol	DCB	Ave	249675 7237287	505697 9241471	1299651 11113998	2576356	5035876	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Bis(2-chloroethyl)ether	DCB	Ave	202164 6010876	417511 8862627	1056049 9319057	2258888	4207876	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Chlorophenol	DCB	Ave	94865 3023552	198525 3856379	516953 4784803	1038332	2059476	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,3-Dichlorobenzene	DCB	Ave	117483 3246483	242891 4231826	566634 4981637	1153145	2227701	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,4-Dichlorobenzene	DCB	Ave	103761 2908460	212405 3637433	513900 4787801	956421	2029432	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzyl alcohol	DCB	Ave	125657 4316500	262378 5439687	708519 6834596	1445350	2959087	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2-Dichlorobenzene	DCB	Ave	103747 2903684	189428 3708891	477548 4563774	1005818	2037464	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
bis (2-Chloroisopropyl) ether	DCB	Ave	324756 8015911	673079 9838371	1585144 11540492	3060671	5748219	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Methylphenol	DCB	Ave	139281 3888911	253030 4981461	667732 5961074	1406467	2732119	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Acetophenone	DCB	Ave	184356 5534224	386432 7086591	1002764 8604577	1953789	3893993	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
N-Nitrosodi-n-propylamine	DCB	Ave	120951 3958161	266484 5008795	673035 6151404	1383148	2589887	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
3 & 4 Methylphenol	DCB	Ave	137189 4163403	271069 5237830	642287 6383096	1467501	2896073	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Hexachloroethane	DCB	Ave	43397 1290740	87253 1559738	216544 2078335	437467	817216	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Nitrobenzene	NPT	Ave	196195 5898124	367773 7503637	1030561 9166088	2074943	3927025	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Isophorone	NPT	Ave	302536 10441029	662593 13247824	1720104 16117931	3592018	7310227	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Nitrophenol	NPT	Ave	++++ 1384351	71247 1861783	216566 2428373	448895	953210	++++ 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4-Dimethylphenol	NPT	Ave	102160 3379182	212437 4330787	535021 5326931	1113881	2167337	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Bis (2-chloroethoxy)methane	NPT	Ave	222780 6030482	413816 8168049	1055299 10125561	2122687	4169979	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzoic acid	NPT	Lin1	138232 6913707	540149 7938927	1610640 9195572	4055358	5494514	1.00 12.0	2.00 14.0	4.00 16.0	8.00	10.0
2,4-Dichlorophenol	NPT	Ave	57842 2051066	130921 2491780	324825 3270049	699271	1282139	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2,4-Trichlorobenzene	NPT	Ave	72704 2075986	146555 2519083	339753 3281279	671196	1312785	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Naphthalene	NPT	Ave	296591 8307105	587757 9939531	1455902 12589113	2768684	5492303	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Chloroaniline	NPT	Ave	86569 2811714	163432 3661622	443186 4517253	864253	1843378	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Hexachlorobutadiene	NPT	Ave	32159 987686	67944 1178848	155699 1599529	299873	600429	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Caprolactam	NPT	Lin1	24396 1371577	61109 1770221	191303 2326307	427210	908439	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Chloro-3-methylphenol	NPT	Ave	81960 3112927	176057 3825374	491955 5102542	1001713	2041345	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Methylnaphthalene	NPT	Ave	184108 4639854	339325 5965929	826380 7996771	1645418	3289750	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1-Methylnaphthalene	NPT	Ave	160939 4351118	308713 5523760	789133 7154310	1514870	3024589	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	62788 1777902	120322 2259267	310790 2989813	614377	1322487	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Hexachlorocyclopentadiene	ANT	Lin1	15881 843945	36927 1117220	107606 1521212	266134	555724	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4,6-Trichlorophenol	ANT	Ave	34624 1352491	79017 2023613	204759 2345540	476973	918128	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4,5-Trichlorophenol	ANT	Ave	26756 1195925	73493 1259407	203088 1921154	389103	721137	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,1'-Biphenyl	ANT	Ave	192571 5300468	392765 6676267	954813 8488253	1896164	3647530	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Chloronaphthalene	ANT	Ave	139136 3981033	296551 5058018	702772 6473560	1394139	2692711	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Nitroaniline	ANT	Lin1	26401 1565933	72583 2223216	221963 2807656	496475	1035303	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Dimethyl phthalate	ANT	Ave	141636 4533580	295309 5730918	771173 7493788	1586450	3137382	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,3-Dinitrobenzene	ANT	Lin1	14912 941727	39114 1206345	124913 1585322	276429	574998	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,6-Dinitrotoluene	ANT	Ave	++++ 1220204	65956 1498945	177764 2049097	387353	826451	++++ 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2-Dinitrobenzene	DCB	Ave	++++ 641101	31406 814388	93960 1023978	208361	452968	++++ 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Acenaphthylene	ANT	Ave	228858 6672450	469011 8564023	1162626 10915321	2349782	4673294	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
3-Nitroaniline	ANT	Ave	55213 2239762	129574 2742776	356175 3502077	765483	1407468	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Acenaphthene	ANT	Ave	150914 4174624	305405 5306789	738641 6951833	1444513	2890827	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4-Dinitrophenol	ANT	Qua	3493 1177514	13086 1480812	76401 2208159	243795	638032	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
4-Nitrophenol	ANT	Lin1	11966 921770	27309 1203397	114136 1472474	264608	606005	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
2,4-Dinitrotoluene	ANT	Ave	++++ 1440447	67896 1816364	213126 2325168	497387	1008232	++++ 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Dibenzofuran	ANT	Ave	206957 5572973	399154 7041730	1021145 8896783	1955664	3901044	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	25109 1078341	59236 1354529	149817 1830438	312567	684775	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Diethyl phthalate	ANT	Ave	149683 4113480	282448 5135555	765249 6168742	1504856	2966430	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Fluorene	ANT	Ave	161341 4625025	323149 5829825	839322 7469210	1685029	3254352	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Chlorophenyl phenyl ether	ANT	Ave	76857 2163486	151168 2739836	393296 3295715	772975	1527389	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Nitroaniline	ANT	Qua	19864 1180281	48287 1483809	177092 1776126	409129	925600	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	14146 1062758	34419 1410313	132897 1859130	323628	724218	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
Diphenylamine	ANT	Ave	101371 3423344	231172 4310896	608862 5568302	1225924	2385511	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
N-Nitrosodiphenylamine	PHN	Ave	101368 3423344	231172 4319155	608862 5568302	1225924	2385511	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Diphenylhydrazine	PHN	Ave	366602 11025205	828991 14348566	2132790 16788953	4248445	8273493	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Azobenzene	DCB	Ave	366602 11562939	828991 13469135	2117458 16548729	4248445	7776130	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Bromophenyl phenyl ether	PHN	Ave	34755 1157879	73899 1482308	195360 1866643	395405	807573	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Hexachlorobenzene	PHN	Ave	40471 1110854	76676 1398257	192001 1865558	374876	744489	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Pentachlorophenol	PHN	Lin1	26879 1334238	58335 1689183	195784 2355553	436099	909452	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
Phenanthrene	PHN	Ave	262523 7221965	545326 9541818	1277401 12088556	2724768	5123509	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Anthracene	PHN	Ave	212383 6550248	435814 7867676	1192249 9834728	2338932	4505533	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Carbazole	PHN	Ave	196092 5732639	372141 6517670	973839 8486386	2104338	4121136	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Di-n-butyl phthalate	PHN	Ave	203737 7007461	452921 8508508	1249861 10318186	2553797	5029940	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Fluoranthene	PHN	Ave	219837 6704907	473178 8152956	1226536 9938328	2427533	4778853	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzidine	CRY	Ave	++++ 4905024	1052592 5629183	1864902 5549405	2897155	3885290	++++ 12.0	2.00 14.0	4.00 16.0	8.00	10.0
Pyrene	CRY	Ave	244430 6739021	506372 8264054	1304774 10063548	2501942	4847405	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Butyl benzyl phthalate	CRY	Lin1	15606 900307	38263 1124444	128901 1401843	283698	603634	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
3,3'-Dichlorobenzidine	CRY	Ave	47629 2026196	102979 2518848	300037 3093453	652839	1333020	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[a]anthracene	CRY	Ave	222909 6688611	451420 8222066	1178301 10035508	2368270	4765302	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Chrysene	CRY	Ave	212811 5467285	432450 6647670	1101920 7646356	2004433	4052348	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	++++ 4345943	223248 5233712	698666 6134479	1535220	3094434	++++ 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Di-n-octyl phthalate	PRY	Lin1	117574 7584429	291205 9456473	1025714 11508257	2357723	5094351	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[b]fluoranthene	PRY	Ave	182331 6717452	352849 8212586	1100622 11588463	2158730	4554589	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[k]fluoranthene	PRY	Ave	174129 5838233	429695 8001469	1074266 8613175	2244964	4534022	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[a]pyrene	PRY	Ave	126739 5949395	323600 7370298	919202 9539312	1965330	4101000	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 118633

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2013 09:00 Calibration End Date: 10/18/2013 12:08 Calibration ID: 2537

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Indeno[1,2,3-cd]pyrene	PRY	Ave	+++++ 5513416	243692 7317042	735988 8948531	1677798	3500850	+++++ 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Dibenz(a,h)anthracene	PRY	Ave	113579 5431214	275800 6945899	791053 8321852	1695847	3644948	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[g,h,i]perylene	PRY	Ave	138499 5462481	308881 6824525	828614 8520097	1729613	3660188	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Fluorophenol	DCB	Ave	85215 3172622	221299 4347115	543015 5535057	1121980	2135203	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Phenol-d5 (Surr)	DCB	Ave	203583 6038117	431891 7488738	1082583 9169428	2133281	4225096	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Nitrobenzene-d5	NPT	Ave	189148 6020319	369918 7615484	1031895 9444464	1917560	3796681	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Fluorobiphenyl	ANT	Ave	179164 4623067	339441 5874787	822517 7551196	1628954	3170409	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4,6-Tribromophenol	ANT	Ave	+++++ 482053	22717 618063	73642 832337	145642	328091	+++++ 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Terphenyl-d14	CRY	Ave	175256 4513666	342567 5688752	862004 6972403	1690997	3235285	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-123712/2	12191303.D
Level 2	IC 600-123712/3	12191304.D
Level 3	IC 600-123712/4	12191305.D
Level 4	IC 600-123712/5	12191306.D
Level 5	ICIS 600-123712/6	12191307.D
Level 6	IC 600-123712/7	12191308.D
Level 7	IC 600-123712/8	12191309.D
Level 8	IC 600-123712/9	12191310.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 5		B	M1	M2								
N-Nitrosodimethylamine	0.8888 1.0026	0.9137 1.0229	0.9453 1.0447	0.9964	0.9829	Ave		0.9747				5.6		15.0			
Pyridine	0.7875 1.3598	0.9329 1.3634	0.9693 1.2590	1.1217	1.2395	Lin1	0.0302	1.3215							0.9962		0.9900
Phenol	1.9903 1.8694	1.9976 1.6583	2.0288 1.5069	1.6454	1.7899	Ave		1.8108				10.7		15.0			
Aniline	0.4977 1.2299	0.5046 1.3959	0.7367 1.4416	0.7805	0.8485	Qua	0.0915	0.9509	-0.083						0.9914		0.9900
Bis(2-chloroethyl)ether	2.3910 2.3472	2.3384 2.3522	2.2916 2.0304	2.2680	2.5606	Ave		2.3224				6.4		15.0			
2-Chlorophenol	1.5839 1.5642	1.4650 1.5668	1.5668 1.2219	1.4418	1.4519	Ave		1.4828				8.1		15.0			
1,3-Dichlorobenzene	1.6532 1.5147	1.5711 1.5212	1.6017 1.5094	1.5959	1.5393	Ave		1.5633				3.3		15.0			
1,4-Dichlorobenzene	1.7554 1.5565	1.5861 1.5742	1.6491 1.5145	1.6033	1.5605	Ave		1.5999				4.6		15.0			
Benzyl alcohol	1.3180 1.5744	1.3494 1.5251	1.3164 1.4400	1.3449	1.5232	Ave		1.4239				7.4		15.0			
1,2-Dichlorobenzene	1.6883 1.5645	1.6277 1.5889	1.6284 1.4102	1.5329	1.5481	Ave		1.5736				5.3		15.0			
2-Methylphenol	1.7541 1.4525	1.4852 1.3524	1.4817 1.3118	1.2941	1.4117	Ave		1.4429				10.1		15.0			
bis (2-Chloroisopropyl) ether	3.2718 2.4577	3.0604 2.1966	2.8898 2.0019	2.5179	2.4683	Lin1	-0.037	2.2129							0.9903		0.9900
3 & 4 Methylphenol	1.5401 1.4845	1.6132 1.4555	1.3517 1.3805	1.3205	1.4875	Ave		1.4542				6.8		15.0			
Acetophenone	2.9721 2.5232	2.9263 2.3654	2.6134 2.1772	2.4058	2.5389	Ave		2.5653				10.6		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

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 5		B	M1	M2								
N-Nitrosodi-n-propylamine	1.0907 1.2258	1.1781 1.1429	1.0332 1.0710	1.1648	1.2224	Ave		1.1411			0.0500	6.2		15.0			
Hexachloroethane	0.7108 0.6582	0.6012 0.6629	0.6853 0.6082	0.6788	0.6477	Ave		0.6567				5.7		15.0			
Nitrobenzene	0.3990 0.4049	0.4089 0.3933	0.4180 0.3816	0.4352	0.4132	Ave		0.4068				4.0		15.0			
Isophorone	0.6667 0.8155	0.7168 0.7884	0.7175 0.7464	0.8783	0.8629	Ave		0.7741				9.7		15.0			
2-Nitrophenol	0.1276 0.1790	0.1383 0.1901	0.1696 0.1915	0.1746	0.1755	Ave		0.1683				13.8		15.0			
2,4-Dimethylphenol	0.3046 0.3358	0.3146 0.3488	0.2857 0.3349	0.3392	0.3411	Ave		0.3256				6.7		15.0			
Bis(2-chloroethoxy)methane	0.4819 0.4997	0.5048 0.4928	0.4565 0.4699	0.5182	0.5075	Ave		0.4914				4.2		15.0			
Benzoic acid	0.0328 0.1846	0.0421 0.2022	0.0904 0.2179	0.1451	0.1637	Qua	0.6748	6.2715	-1.221						0.9967		0.9900
2,4-Dichlorophenol	0.1980 0.2115	0.2020 0.2260	0.1779 0.2279	0.2033	0.2095	Ave		0.2070				7.7		15.0			
1,2,4-Trichlorobenzene	0.2526 0.2334	0.2427 0.2307	0.2479 0.2254	0.2416	0.2269	Ave		0.2377				4.2		15.0			
Naphthalene	1.1574 0.9718	1.1021 0.9387	1.1151 0.8832	1.0864	0.9945	Ave		1.0312				9.4		15.0			
Hexachlorobutadiene	0.1190 0.1096	0.1061 0.1110	0.1198 0.1053	0.1124	0.1062	Ave		0.1112				5.1		15.0			
Caprolactam	0.0599 0.1148	0.0748 0.1263	0.1095 0.1261	0.1302	0.1149	Lin1	0.0303	0.1254							0.9973		0.9900
4-Chloro-3-methylphenol	0.2491 0.3228	0.2565 0.3262	0.2899 0.3133	0.3400	0.3309	Ave		0.3036				11.4		15.0			
2-Methylnaphthalene	0.6279 0.6865	0.6060 0.6806	0.5604 0.6363	0.6929	0.6871	Ave		0.6472				7.4		15.0			
1-Methylnaphthalene	0.5971 0.6451	0.5615 0.6363	0.5258 0.6036	0.6477	0.6527	Ave		0.6087				7.6		15.0			
Hexachlorocyclopentadiene	0.1818 0.2167	0.1601 0.2215	0.1475 0.2182	0.1772	0.2020	Ave		0.1906			0.0500	14.8		15.0			
1,2,4,5-Tetrachlorobenzene	0.4092 0.4078	0.3937 0.3976	0.3195 0.3848	0.3804	0.3860	Ave		0.3849				7.4		15.0			
2,4,6-Trichlorophenol	0.2474 0.2860	0.2215 0.2846	0.2358 0.2891	0.2688	0.2742	Ave		0.2634				9.7		15.0			
2,4,5-Trichlorophenol	0.2299 0.3031	0.2260 0.3004	0.2571 0.2946	0.2820	0.2730	Ave		0.2708				11.2		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

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 5		B	M1	M2								
1,1'-Biphenyl	1.6412 1.4041	1.4457 1.3415	1.4266 1.2527	1.5414	1.4759	Ave		1.4411				8.2		15.0			
Acenaphthene	0.5844 0.5892	0.5447 0.5742	0.5599 0.5369	0.6226	0.5992	Ave		0.5764				5.0		15.0			
2-Chloronaphthalene	1.1395 1.0510	1.0182 1.0193	0.9545 0.9658	1.0790	1.0739	Ave		1.0376				5.9		15.0			
2-Nitroaniline	0.2240 0.4470	0.1962 0.4558	0.2667 0.4406	0.3621	0.4217	Lin1	0.0456	0.4509							0.9950		0.9900
Dimethyl phthalate	1.5924 1.2840	1.3895 1.2670	1.3477 1.2331	1.3658	1.2994	Ave		1.3474				8.3		15.0			
1,3-Dinitrobenzene	0.1356 0.2307	0.1269 0.2403	0.1512 0.2370	0.2015	0.2202	Lin1	0.0390	0.2376							0.9962		0.9900
2,6-Dinitrotoluene	0.2196 0.3041	0.1916 0.3123	0.2531 0.3056	0.2829	0.3028	Lin1	0.0257	0.3099							0.9988		0.9900
1,2-Dinitrobenzene	0.3194 0.4570	0.3184 0.4454	0.3190 0.4377	0.3752	0.4383	Lin1	0.0269	0.4467							0.9968		0.9900
Acenaphthylene	1.8110 1.4808	1.6960 1.4296	1.7844 1.3438	1.8200	1.6161	Ave		1.6227				11.4		15.0			
2,4-Dinitrophenol	0.0094 0.1127	0.0155 0.1307	0.0364 0.1382	0.0707	0.0957	Qua	0.2346	9.5740	-4.030		0.0500				0.9968		0.9900
4-Nitrophenol	0.0949 0.1794	0.0910 0.1805	0.1277 0.1725	0.1549	0.1586	Lin1	0.0757	0.1773			0.0500				0.9967		0.9900
2,4-Dinitrotoluene	0.2620 0.4076	0.2615 0.4167	0.3283 0.4044	0.3730	0.4049	Lin1	0.0281	0.4132							0.9989		0.9900
Dibenzofuran	1.8316 1.4300	1.6882 1.4075	1.5086 1.3444	1.5208	1.4686	Ave		1.5250				10.5		15.0			
2,3,4,6-Tetrachlorophenol	0.1342 0.2166	0.1364 0.2283	0.1497 0.2281	0.1962	0.2053	Lin1	0.0356	0.2256							0.9964		0.9900
Diethyl phthalate	1.5720 1.3483	1.4841 1.3002	1.4585 1.2212	1.4845	1.3984	Ave		1.4084				8.1		15.0			
4-Chlorophenyl phenyl ether	0.5887 0.5451	0.5373 0.5432	0.5020 0.5134	0.5276	0.5483	Ave		0.5382				4.8		15.0			
Fluorene	1.4080 1.2409	1.3017 1.2025	1.2260 1.1301	1.2503	1.2705	Ave		1.2537				6.4		15.0			
4-Nitroaniline	0.1713 0.2439	0.1930 0.2317	0.2188 0.2073	0.2755	0.2366	Lin1	0.0088	0.2321							0.9913		0.9900
4,6-Dinitro-2-methylphenol	0.0140 0.0642	0.0263 0.0687	0.0378 0.0669	0.0535	0.0606	Lin1	0.1141	0.0676							0.9954		0.9900
Diphenylamine	0.8289 0.4876	0.7636 0.4426	0.6920 0.4068	0.7084	0.5782	Qua	0.0305	0.7904	1.6168						0.9995		0.9900

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

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 5		B	M1	M2								
N-Nitrosodiphenylamine	0.4914 0.2957	0.4764 0.2719	0.4311 0.2495	0.4351	0.3517	Qua	0.0231	1.3953	4.1451						0.9993		0.9900
1,2-Diphenylhydrazine	1.0437 0.9692	1.0775 0.9136	1.0938 0.8352	1.1253	1.0355	Qua	0.0301	0.6822	0.2312						0.9992		0.9900
Azobenzene	4.0618 4.2337	4.0973 3.8254	4.2705 3.4334	4.3692	4.4653	Ave		4.0946				8.1	15.0				
4-Bromophenyl phenyl ether	0.1510 0.1790	0.1546 0.1794	0.1661 0.1757	0.1701	0.1725	Ave		0.1685				6.4	15.0				
Hexachlorobenzene	0.1602 0.1733	0.1399 0.1838	0.1558 0.1776	0.1657	0.1682	Ave		0.1656				8.3	15.0				
Pentachlorophenol	0.0559 0.0939	0.0746 0.1029	0.0746 0.1013	0.0876	0.0917	Lin1	0.0708	0.1003							0.9970		0.9900
Phenanthrene	1.1146 1.0032	1.1275 0.9757	1.0955 0.9235	1.1001	1.0185	Ave		1.0448				7.2	15.0				
Anthracene	1.0608 1.0318	1.0799 0.9983	1.0572 0.9299	1.1195	1.0460	Ave		1.0404				5.5	15.0				
Carbazole	0.7357 0.5377	0.6114 0.5475	0.6421 0.4868	0.8033	0.6338	Qua	0.0199	1.0917	0.7448						0.9942		0.9900
Di-n-butyl phthalate	1.4757 1.3242	1.4044 1.2571	1.4808 1.1260	1.5454	1.4115	Ave		1.3781				9.9	15.0				
Fluoranthene	1.1459 1.0324	1.1217 1.0088	1.1017 0.9335	1.1268	1.0671	Ave		1.0672				6.8	15.0				
Benzidine	+++++ 0.0296	0.0360 0.0488	0.0241 0.0645	0.0222	0.0286	Ave		0.2061				12.4	15.0				
Pyrene	1.1127 1.1268	1.1323 1.1028	1.1840 1.0352	1.2720	1.1600	Ave		1.1407				6.0	15.0				
Butyl benzyl phthalate	0.0665 0.1274	0.0918 0.1347	0.1110 0.1333	0.1311	0.1284	Lin1	0.0287	0.1341							0.9993		0.9900
3,3'-Dichlorobenzidine	0.0962 0.2636	0.1328 0.2871	0.1729 0.2948	0.2313	0.2467	Lin1	0.0509	0.2857							0.9939		0.9900
Benzo[a]anthracene	0.8733 0.9362	0.8719 0.9432	0.8757 0.9460	0.9798	0.9275	Ave		0.9192				4.4	15.0				
Bis(2-ethylhexyl) phthalate	0.4459 0.8911	0.5028 0.8865	0.7320 0.8530	0.8835	0.9055	Lin1	0.0308	0.8955							0.9984		0.9900
Chrysene	1.0310 0.9061	0.9227 0.8998	0.9112 0.8604	0.9515	0.9288	Ave		0.9265				5.4	15.0				
Di-n-octyl phthalate	+++++ 1.7248	+++++ 1.7329	0.9356 1.6341	1.4805	1.6352	Lin1	0.1051	1.7930							0.9973		0.9900
Benzo[b]fluoranthene	0.3647 1.0709	0.5053 1.0436	0.8106 1.0492	0.9212	1.0357	Lin1	0.0427	1.0706							0.9989		0.9900

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

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 5		B	M1	M2								
Benzo[k]fluoranthene	1.0178 1.2017	1.2334 1.1276	1.2661 1.0858	1.1239	1.1050	Ave		1.1452				7.2		15.0			
Benzo[a]pyrene	0.5063 1.0093	0.6197 1.0269	0.7957 1.0038	0.9593	0.9835	Lin1	0.0328	1.0254							0.9993		0.9900
Indeno[1,2,3-cd]pyrene	0.4984 1.0718	0.6579 1.0945	0.8343 1.0590	0.9830	1.0452	Lin1	0.0346	1.0870							0.9991		0.9900
Dibenz(a,h)anthracene	0.3939 0.9107	0.5436 0.9456	0.6962 0.9085	0.8072	0.8546	Lin1	0.0380	0.9274							0.9983		0.9900
Benzo[g,h,i]perylene	0.6477 0.8994	0.7957 0.8900	0.8301 0.8650	0.8662	0.8794	Ave		0.8342				9.9		15.0			
2-Fluorophenol	1.1375 1.1322	1.0852 1.1424	1.0883 1.0395	1.1262	1.1289	Ave		1.1100				3.2		15.0			
Phenol-d5 (Surr)	1.8427 1.7824	1.8102 1.5967	1.8828 1.4542	1.5690	1.6870	Ave		1.7031				8.9		15.0			
Nitrobenzene-d5	0.4208 0.4323	0.3846 0.4221	0.4344 0.4085	0.4612	0.4287	Ave		0.4241				5.2		15.0			
2-Fluorobiphenyl	1.2713 1.1841	1.1171 1.1355	1.1240 1.0718	1.2676	1.2418	Ave		1.1767				6.5		15.0			
2,4,6-Tribromophenol	0.0770 0.1419	0.0740 0.1477	0.1048 0.1482	0.1190	0.1360	Lin1	0.0402	0.1471							0.9967		0.9900
Terphenyl-d14	0.7340 0.7615	0.7408 0.7540	0.7580 0.7181	0.8412	0.7906	Ave		0.7623				5.0		15.0			

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

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-123712/2	12191303.D
Level 2	IC 600-123712/3	12191304.D
Level 3	IC 600-123712/4	12191305.D
Level 4	IC 600-123712/5	12191306.D
Level 5	ICIS 600-123712/6	12191307.D
Level 6	IC 600-123712/7	12191308.D
Level 7	IC 600-123712/8	12191309.D
Level 8	IC 600-123712/9	12191310.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	29947 1075983	67124 1512327	177247 2031857	392259	710177	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Pyridine	DCB	Lin1	26535 1459408	68538 2015786	181748 2448739	441596	895571	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Phenol	DCB	Ave	67060 2006256	146755 2451759	380400 2930853	647756	1293274	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Aniline	DCB	Qua	16768 1319923	37073 2063878	138135 2803813	307269	613113	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Bis(2-chloroethyl)ether	DCB	Ave	80561 2519080	171793 3477771	429672 3949083	892831	1850133	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Chlorophenol	DCB	Ave	53366 1678680	107630 2316543	293776 2376582	567614	1049055	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,3-Dichlorobenzene	DCB	Ave	55703 1625616	115427 2249032	300318 2935830	628246	1112221	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,4-Dichlorobenzene	DCB	Ave	59144 1670501	116525 2327436	309195 2945752	631191	1127518	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzyl alcohol	DCB	Ave	44407 1689626	99138 2254819	246813 2800688	529433	1100546	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2-Dichlorobenzene	DCB	Ave	56886 1679105	119581 2349243	305317 2742781	603477	1118587	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Methylphenol	DCB	Ave	59103 1558811	109114 1999470	277810 2551414	509432	1020038	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
bis (2-Chloroisopropyl) ether	DCB	Lin1	110240 2637683	224840 3247669	541825 3893604	991229	1783436	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
3 & 4 Methylphenol	DCB	Ave	51890 1593207	118521 2151965	253440 2685022	519831	1074763	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Acetophenone	DCB	Ave	100141 2707975	214991 3497255	490015 4234544	947099	1834472	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
N-Nitrosodi-n-propylamine	DCB	Ave	36751 1315522	86553 1689835	193723 2083147	458548	883218	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Hexachloroethane	DCB	Ave	23950 706365	44172 980158	128497 1183002	267218	468019	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Nitrobenzene	NPT	Ave	70474 2142079	152872 2734124	367786 3393458	737740	1424583	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Isophorone	NPT	Ave	117750 4314307	267955 5480496	631371 6637580	1488776	2974715	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Nitrophenol	NPT	Ave	22534 946909	51704 1321803	149251 1703097	295999	604915	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4-Dimethylphenol	NPT	Ave	53804 1776458	117604 2424779	251433 2978726	574985	1176006	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Bis (2-chloroethoxy)methane	NPT	Ave	85110 2643744	188692 3426023	401692 4178573	878385	1749562	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzoic acid	NPT	Qua	57891 3905645	157475 4920178	636277 6201084	1967037	2822060	1.00 12.0	2.00 14.0	4.00 16.0	8.00	10.0
2,4-Dichlorophenol	NPT	Ave	34971 1118843	75527 1570856	156505 2027044	344522	722129	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2,4-Trichlorobenzene	NPT	Ave	44621 1234661	90722 1603886	218155 2004226	409464	782266	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Naphthalene	NPT	Ave	204425 5141376	412010 6525283	981217 7854643	1841500	3428423	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Hexachlorobutadiene	NPT	Ave	21013 579588	39660 771530	105371 936887	190512	366126	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Caprolactam	NPT	Lin1	10575 607190	27945 877643	96312 1121766	220710	396237	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Chloro-3-methylphenol	NPT	Ave	43994 1707723	95888 2267873	255055 2786039	576259	1140632	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Methylnaphthalene	NPT	Ave	110894 3631983	226539 4731313	493151 5658434	1174438	2368559	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1-Methylnaphthalene	NPT	Ave	105461 3412973	209890 4423278	462696 5367496	1097930	2250199	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Hexachlorocyclopentadiene	ANT	Ave	14134 616042	27709 842109	67011 1071459	166997	379388	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	31810 1159461	68152 1511790	145133 1889382	358516	725199	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4,6-Trichlorophenol	ANT	Ave	19231 813105	38351 1082016	107101 1419612	253324	515052	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4,5-Trichlorophenol	ANT	Ave	17867 861724	39117 1142166	116811 1446805	265795	512867	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,1'-Biphenyl	ANT	Ave	127568 3992145	250267 5100941	648052 6151688	1452808	2772555	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Acenaphthene	ANT	Ave	45423 1675327	94286 2183338	254327 2636456	586807	1125703	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Chloronaphthalene	ANT	Ave	88569 2988252	176256 3875775	433584 4742548	1017010	2017397	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Nitroaniline	ANT	Lin1	17410 1270779	33971 1733204	121175 2163512	341264	792175	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Dimethyl phthalate	ANT	Ave	123773 3650657	240542 4817594	612216 6055354	1287351	2441001	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,3-Dinitrobenzene	ANT	Lin1	10542 655941	21961 913786	68708 1163892	189907	413619	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,6-Dinitrotoluene	ANT	Lin1	17069 864684	33168 1187498	114978 1500845	266608	568824	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2-Dinitrobenzene	DCB	Lin1	10763 490483	23390 658575	59805 851333	147711	316716	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Acenaphthylene	ANT	Ave	140769 4210345	293591 5435751	810603 6599105	1715450	3035951	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4-Dinitrophenol	ANT	Qua	1459 640715	5369 993886	33051 1357115	133224	359514	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
4-Nitrophenol	ANT	Lin1	14748 1020286	31496 1372721	115980 1694260	291982	595978	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
2,4-Dinitrotoluene	ANT	Lin1	20364 1158980	45268 1584597	149137 1985717	351563	760631	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Dibenzofuran	ANT	Ave	142372 4065757	292247 5351926	685293 6601892	1433458	2758854	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,3,4,6-Tetrachlorophenol	ANT	Lin1	10430 615708	23620 868170	68003 1120007	184917	385638	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Diethyl phthalate	ANT	Ave	122190 3833506	256911 4944035	662538 5996782	1399251	2626951	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Chlorophenyl phenyl ether	ANT	Ave	45758 1549785	93019 2065386	228064 2520892	497337	1029927	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Fluorene	ANT	Ave	109446 3528028	225333 4572190	556920 5549409	1178478	2386678	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4-Nitroaniline	ANT	Lin1	13312 693410	33414 881153	99412 1017844	259635	444559	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	3663 601488	14710 850935	55273 1069180	163582	380755	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
Diphenylamine	ANT	Qua	64433 1386388	132191 1683057	314375 1997432	667667	1086133	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
N-Nitrosodiphenylamine	PHN	Qua	64433 1386388	133103 1683057	315619 1994625	665010	1105140	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
1,2-Diphenylhydrazine	PHN	Qua	136856 4543745	301015 5655759	800718 6677954	1720024	3254001	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Azobenzene	DCB	Ave	136856 4543745	301015 5655759	800718 6677954	1720024	3226334	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	19796 838961	43194 1110474	121621 1404815	259964	541977	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Hexachlorobenzene	PHN	Ave	21011 812391	39086 1138135	114053 1419795	253334	528503	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Pentachlorophenol	PHN	Lin1	14647 880053	32360 1273478	109285 1619339	267854	576150	0.200 6.00	0.400 8.00	1.00 10.0	2.00	4.00
Phenanthrene	PHN	Ave	146154 4703072	314983 6040171	801978 7383528	1681457	3200755	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Anthracene	PHN	Ave	139089 4836856	301683 6180023	773951 7435289	1711074	3287267	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Carbazole	PHN	Qua	96466 2520924	170806 3389121	470080 3892477	1227810	1991908	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Di-n-butyl phthalate	PHN	Ave	193491 6207992	392347 7782374	1084039 9003095	2361991	4435849	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Fluoranthene	PHN	Ave	150254 4839844	313373 6245222	806461 7464065	1722272	3353486	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzidine	CRY	Ave	++++ 511020	101943 985692	134445 1512421	244998	412992	++++ 12.0	2.00 14.0	4.00 16.0	8.00	10.0
Pyrene	CRY	Ave	153098 4870246	320767 6362646	825220 7587368	1754570	3350231	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Butyl benzyl phthalate	CRY	Lin1	9144 550637	25992 777017	77378 977203	180828	370882	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
3,3'-Dichlorobenzidine	CRY	Lin1	13236 1139144	37625 1656318	120483 2160375	319081	712612	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[a]anthracene	CRY	Ave	120161 4046569	246992 5441700	610313 6933280	1351510	2678695	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Bis(2-ethylhexyl) phthalate	CRY	Lin1	61358 3851579	142440 5114660	510157 6251447	1218728	2615309	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Chrysene	CRY	Ave	141858 3916296	261406 5191634	635087 6306012	1312531	2682556	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Di-n-octyl phthalate	PRY	Lin1	++++ 6743925	++++ 9119532	557951 11098192	1857320	4352663	++++ 3.00	++++ 4.00	0.500 5.00	1.00	2.00
Benzo[b]fluoranthene	PRY	Lin1	41617 4186927	112912 5492145	483421 7126130	1155697	2756820	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[k]fluoranthene	PRY	Ave	116141 4698513	275592 5934079	755007 7374607	1409990	2941150	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Benzo[a]pyrene	PRY	Lin1	57766 3946194	138462 5404004	474532 6817540	1203481	2617963	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Indeno[1,2,3-cd]pyrene	PRY	Lin1	56874 4190420	147003 5759584	497543 7192151	1233233	2782141	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Dibenz(a,h)anthracene	PRY	Lin1	44941 3560724	121463 4976384	415205 6170374	1012632	2274643	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

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

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 123712

SDG No.: _____

Instrument ID: SVMS08 GC Column: RXi-5ms ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 12:57 Calibration End Date: 12/19/2013 15:59 Calibration ID: 2687

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[g,h,i]perylene	PRY	Ave	73911 3516675	177798 4683707	495010 5874846	1086705	2340887	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Fluorophenol	DCB	Ave	38326 1215070	79726 1689086	204054 2021889	443372	815676	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Phenol-d5 (Surr)	DCB	Ave	62087 1912914	132987 2360688	353021 2828424	617656	1218914	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Nitrobenzene-d5	NPT	Ave	74319 2286954	143770 2934432	382251 3633026	781742	1477813	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2-Fluorobiphenyl	ANT	Ave	98816 3366683	193383 4317771	510596 5263300	1194789	2332820	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
2,4,6-Tribromophenol	ANT	Lin1	5987 403455	12817 561690	47615 727910	112206	255429	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00
Terphenyl-d14	CRY	Ave	100988 3291474	209862 4349926	528271 5262846	1160403	2283508	0.100 3.00	0.200 4.00	0.500 5.00	1.00	2.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCVIS 600-123836/2 Calibration Date: 12/27/2013 10:19
Instrument ID: SVMS08 Calib Start Date: 10/18/2013 09:00
GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 10/18/2013 12:08
Lab File ID: 12271303.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.3555	0.1598		899	2000	-55.0*	50.0
3-Nitroaniline	Ave	0.5281	0.2280		864	2000	-56.8*	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-123836/2 Calibration Date: 12/27/2013 10:19

Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57

GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59

Lab File ID: 12271303.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.9747	0.8743		1794	2000	-10.3	40.0
Pyridine	Lin1	1.129	1.210		1891	2000	-5.4	50.0
Phenol	Ave	1.811	1.791		1978	2000	-1.1	20.0
Aniline	Qua	0.9294	1.038		1977	2000	-1.2	50.0
Bis(2-chloroethyl)ether	Ave	2.322	2.463		2121	2000	6.0	40.0
2-Chlorophenol	Ave	1.483	1.494		2015	2000	0.8	40.0
1,3-Dichlorobenzene	Ave	1.563	1.507		1928	2000	-3.6	40.0
1,4-Dichlorobenzene	Ave	1.600	1.513		1892	2000	-5.4	20.0
Benzyl alcohol	Ave	1.424	1.235		1735	2000	-13.2	40.0
1,2-Dichlorobenzene	Ave	1.574	1.518		1929	2000	-3.6	40.0
2-Methylphenol	Ave	1.443	1.266		1755	2000	-12.2	40.0
bis (2-Chloroisopropyl) ether	Lin1	2.608	2.029		1760	2000	-12.0	40.0
Acetophenone	Ave	2.565	2.380		1855	2000	-7.2	40.0
N-Nitrosodi-n-propylamine	Ave	1.141	1.035	0.0500	1814	2000	-9.3	40.0
3 & 4 Methylphenol	Ave	1.454	1.353		1861	2000	-6.9	40.0
Hexachloroethane	Ave	0.6567	0.6010		1830	2000	-8.5	40.0
Nitrobenzene	Ave	0.4068	0.3688		1813	2000	-9.3	40.0
Isophorone	Ave	0.7741	0.6916		1787	2000	-10.7	40.0
2-Nitrophenol	Ave	0.1683	0.1807		2147	2000	7.4	20.0
2,4-Dimethylphenol	Ave	0.3256	0.2813		1728	2000	-13.6	40.0
Bis(2-chloroethoxy)methane	Ave	0.4914	0.4446		1809	2000	-9.5	40.0
Benzoic acid	Qua	0.1348	0.1699		10240	10000	2.4	50.0
2,4-Dichlorophenol	Ave	0.2070	0.1968		1902	2000	-4.9	20.0
1,2,4-Trichlorobenzene	Ave	0.2377	0.2396		2017	2000	0.8	40.0
Naphthalene	Ave	1.031	1.008		1955	2000	-2.3	40.0
Hexachlorobutadiene	Ave	0.1112	0.1107		1991	2000	-0.5	20.0
Caprolactam	Lin1	0.1070	0.1252		2057	2000	2.9	40.0
4-Chloro-3-methylphenol	Ave	0.3036	0.2859		1883	2000	-5.8	20.0
2-Methylnaphthalene	Ave	0.6472	0.6323		1954	2000	-2.3	40.0
1-Methylnaphthalene	Ave	0.6087	0.5942		1952	2000	-2.4	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3849	0.3722		1934	2000	-3.3	40.0
Hexachlorocyclopentadiene	Ave	0.1906	0.1641	0.0500	1721	2000	-13.9	40.0
2,4,6-Trichlorophenol	Ave	0.2634	0.2727		2070	2000	3.5	20.0
2,4,5-Trichlorophenol	Ave	0.2708	0.2739		2023	2000	1.1	40.0
1,1'-Biphenyl	Ave	1.441	1.407		1952	2000	-2.4	40.0
Acenaphthene	Ave	0.5764	0.5782		2006	2000	0.3	20.0
2-Chloronaphthalene	Ave	1.038	1.013		1953	2000	-2.4	40.0
2-Nitroaniline	Lin1	0.3518	0.4290		1994	2000	-0.3	50.0
Dimethyl phthalate	Ave	1.347	1.301		1931	2000	-3.5	40.0
1,3-Dinitrobenzene	Lin1	0.1929	0.2255		1976	2000	-1.2	40.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-123836/2 Calibration Date: 12/27/2013 10:19

Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57

GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59

Lab File ID: 12271303.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1	0.2715	0.3027		2005	2000	0.2	40.0
1,2-Dinitrobenzene	Lin1	0.3888	0.4491		2064	2000	3.2	40.0
Acenaphthylene	Ave	1.623	1.701		2097	2000	4.8	40.0
2,4-Dinitrophenol	Qua	0.0761	0.0609	0.0500	2683	4000	-32.9	50.0
4-Nitrophenol	Lin1	0.1449	0.1681	0.0500	3945	4000	-1.4	50.0
2,4-Dinitrotoluene	Lin1	0.3573	0.3977		1981	2000	-0.9	40.0
Dibenzofuran	Ave	1.525	1.449		1901	2000	-5.0	40.0
2,3,4,6-Tetrachlorophenol	Lin1	0.1868	0.2102		1934	2000	-3.3	40.0
Diethyl phthalate	Ave	1.408	1.363		1936	2000	-3.2	40.0
4-Chlorophenyl phenyl ether	Ave	0.5382	0.5492		2041	2000	2.0	40.0
Fluorene	Ave	1.254	1.255		2002	2000	0.0	40.0
4,6-Dinitro-2-methylphenol	Lin1	0.0490	0.0509		3240	4000	-19.0	50.0
4-Nitroaniline	Lin1	0.2223	0.3108		2696	2000	34.8	50.0
Diphenylamine	Qua	0.6135	0.7411		3009	2000	50.4*	40.0
1,2-Diphenylhydrazine	Qua	1.012	0.9018		1667	2000	-16.7	40.0
Azobenzene	Ave	4.095	3.746		1830	2000	-8.5	40.0
4-Bromophenyl phenyl ether	Ave	0.1685	0.1712		2032	2000	1.6	40.0
Hexachlorobenzene	Ave	0.1656	0.1735		2096	2000	4.8	40.0
Pentachlorophenol	Lin1	0.0832	0.0854		3546	4000	-11.3	20.0
Phenanthrene	Ave	1.045	1.039		1989	2000	-0.6	40.0
Anthracene	Ave	1.040	1.044		2008	2000	0.4	40.0
Carbazole	Qua	0.6248	0.8634		3035	2000	51.8*	50.0
Di-n-butyl phthalate	Ave	1.378	1.395		2024	2000	1.2	40.0
Fluoranthene	Ave	1.067	1.050		1968	2000	-1.6	20.0
Pyrene	Ave	1.141	1.192		2090	2000	4.5	40.0
Butyl benzyl phthalate	Lin1	0.1155	0.1355		2079	2000	3.9	40.0
3,3'-Dichlorobenzidine	Lin1	0.2157	0.2956		2170	2000	8.5	50.0
Benzo[a]anthracene	Ave	0.9192	0.9565		2081	2000	4.1	40.0
Bis(2-ethylhexyl) phthalate	Lin1	0.7625	0.9085		2091	2000	4.5	40.0
Chrysene	Ave	0.9265	0.9029		1949	2000	-2.5	40.0
Di-n-octyl phthalate	Lin1	1.524	1.756		2169	2000	8.4	20.0
Benzo[b]fluoranthene	Lin1	0.8502	1.039		2026	2000	1.3	40.0
Benzo[k]fluoranthene	Ave	1.145	1.080		1886	2000	-5.7	40.0
Benzo[a]pyrene	Lin1	0.8631	1.021		2057	2000	2.9	20.0
Indeno[1,2,3-cd]pyrene	Lin1	0.9055	1.067		2032	2000	1.6	40.0
Dibenz(a,h)anthracene	Lin1	0.7575	0.9178		2055	2000	2.8	40.0
Benzo[g,h,i]perylene	Ave	0.8342	0.8856		2123	2000	6.2	40.0
2-Fluorophenol	Ave	1.110	1.055		1900	2000	-5.0	40.0
Phenol-d5 (Surr)	Ave	1.703	1.603		1883	2000	-5.9	
Nitrobenzene-d5	Ave	0.4241	0.3706		1748	2000	-12.6	40.0
2-Fluorobiphenyl	Ave	1.177	1.155		1963	2000	-1.9	40.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCVIS 600-123836/2 Calibration Date: 12/27/2013 10:19
Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57
GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59
Lab File ID: 12271303.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,6-Tribromophenol	Lin1	0.1186	0.1309		1860	2000	-7.0	40.0
Terphenyl-d14	Ave	0.7623	0.8060		2115	2000	5.7	40.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCV 600-123836/4 Calibration Date: 12/27/2013 11:37
Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57
GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59
Lab File ID: 12271305.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiphenylamine	Qua	0.3754	0.3894		2390	2000	19.5	20.0
Benzidine	Ave	0.2061	0.2628		12750	10000	27.5	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCV 600-124073/3 Calibration Date: 12/31/2013 11:53
Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57
GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59
Lab File ID: 12311305.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiphenylamine	Qua	0.3754	0.3901		2396	2000	19.8	20.0
Benzidine	Ave	0.2061	0.3713		18010	10000	80.1*	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCVIS 600-124073/4 Calibration Date: 12/31/2013 14:01
Instrument ID: SVMS08 Calib Start Date: 10/18/2013 09:00
GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 10/18/2013 12:08
Lab File ID: 12311306.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.3555	0.4237		1192	1000	19.2	50.0
3-Nitroaniline	Ave	0.5281	0.0386		73.1	1000	-92.7*	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-124073/4 Calibration Date: 12/31/2013 14:01

Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57

GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59

Lab File ID: 12311306.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.9747	0.7864		807	1000	-19.3	40.0
Pyridine	Lin1	1.129	1.089		884	1000	-11.6	50.0
Phenol	Ave	1.811	1.702		940	1000	-6.0	20.0
Aniline	Qua	0.9294	2.302		2151	1000	115.1*	50.0
Bis(2-chloroethyl)ether	Ave	2.322	1.955		842	1000	-15.8	40.0
2-Chlorophenol	Ave	1.483	1.397		942	1000	-5.8	40.0
1,3-Dichlorobenzene	Ave	1.563	1.520		972	1000	-2.8	40.0
1,4-Dichlorobenzene	Ave	1.600	1.517		948	1000	-5.2	20.0
Benzyl alcohol	Ave	1.424	0.9139		642	1000	-35.8	40.0
1,2-Dichlorobenzene	Ave	1.574	1.524		969	1000	-3.1	40.0
2-Methylphenol	Ave	1.443	1.275		884	1000	-11.6	40.0
bis (2-Chloroisopropyl) ether	Lin1	2.608	2.062		858	1000	-14.2	40.0
Acetophenone	Ave	2.565	2.348		915	1000	-8.5	40.0
N-Nitrosodi-n-propylamine	Ave	1.141	1.034	0.0500	907	1000	-9.4	40.0
3 & 4 Methylphenol	Ave	1.454	1.258		865	1000	-13.5	40.0
Hexachloroethane	Ave	0.6567	0.6333		964	1000	-3.6	40.0
Nitrobenzene	Ave	0.4068	0.3757		924	1000	-7.7	40.0
Isophorone	Ave	0.7741	0.7249		937	1000	-6.4	40.0
2-Nitrophenol	Ave	0.1683	0.1794		1066	1000	6.6	20.0
2,4-Dimethylphenol	Ave	0.3256	0.2426		745	1000	-25.5	40.0
Bis(2-chloroethoxy)methane	Ave	0.4914	0.4415		898	1000	-10.2	40.0
Benzoic acid	Qua	0.1348	0.1605		8394	8000	4.9	50.0
2,4-Dichlorophenol	Ave	0.2070	0.2073		1002	1000	0.2	20.0
1,2,4-Trichlorobenzene	Ave	0.2377	0.2535		1067	1000	6.7	40.0
Naphthalene	Ave	1.031	1.051		1019	1000	1.9	40.0
Hexachlorobutadiene	Ave	0.1112	0.1154		1038	1000	3.8	20.0
Caprolactam	Lin1	0.1070	0.1475		1237	1000	23.7	40.0
4-Chloro-3-methylphenol	Ave	0.3036	0.2931		965	1000	-3.5	20.0
2-Methylnaphthalene	Ave	0.6472	0.6428		993	1000	-0.7	40.0
1-Methylnaphthalene	Ave	0.6087	0.6169		1013	1000	1.3	40.0
Hexachlorocyclopentadiene	Ave	0.1906	0.1196	0.0500	627	1000	-37.3	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3849	0.3513		913	1000	-8.7	40.0
2,4,6-Trichlorophenol	Ave	0.2634	0.2629		998	1000	-0.2	20.0
2,4,5-Trichlorophenol	Ave	0.2708	0.2458		908	1000	-9.2	40.0
1,1'-Biphenyl	Ave	1.441	1.488		1033	1000	3.3	40.0
Acenaphthene	Ave	0.5764	0.6006		1042	1000	4.2	20.0
2-Chloronaphthalene	Ave	1.038	1.016		980	1000	-2.0	40.0
2-Nitroaniline	Lin1	0.3518	0.4304		1046	1000	4.6	50.0
Dimethyl phthalate	Ave	1.347	1.360		1009	1000	0.9	40.0
1,3-Dinitrobenzene	Lin1	0.1929	0.2187		998	1000	-0.2	40.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Lab Sample ID: CCVIS 600-124073/4 Calibration Date: 12/31/2013 14:01

Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57

GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59

Lab File ID: 12311306.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1	0.2715	0.3002		1020	1000	2.0	40.0
1,2-Dinitrobenzene	Lin1	0.3888	0.4333		1024	1000	2.4	40.0
Acenaphthylene	Ave	1.623	1.837		1132	1000	13.2	40.0
2,4-Dinitrophenol	Qua	0.0761	0.0734	0.0500	1831	2000	-8.4	50.0
4-Nitrophenol	Lin1	0.1449	0.1306	0.0500	1625	2000	-18.8	50.0
2,4-Dinitrotoluene	Lin1	0.3573	0.4084		1045	1000	4.5	40.0
Dibenzofuran	Ave	1.525	1.536		1007	1000	0.7	40.0
2,3,4,6-Tetrachlorophenol	Lin1	0.1868	0.1974		946	1000	-5.4	40.0
Diethyl phthalate	Ave	1.408	1.428		1014	1000	1.4	40.0
4-Chlorophenyl phenyl ether	Ave	0.5382	0.5545		1030	1000	3.0	40.0
Fluorene	Ave	1.254	1.272		1015	1000	1.5	40.0
4-Nitroaniline	Lin1	0.2223	0.3584		1562	1000	56.2*	50.0
4,6-Dinitro-2-methylphenol	Lin1	0.0490	0.0521		1772	2000	-11.4	50.0
Diphenylamine	Qua	0.6135	0.9006		1428	1000	42.8*	40.0
1,2-Diphenylhydrazine	Qua	1.012	0.9312		796	1000	-20.4	40.0
Azobenzene	Ave	4.095	3.875		946	1000	-5.4	40.0
4-Bromophenyl phenyl ether	Ave	0.1685	0.1740		1032	1000	3.2	40.0
Hexachlorobenzene	Ave	0.1656	0.1730		1045	1000	4.5	40.0
Pentachlorophenol	Lin1	0.0832	0.0748		1632	2000	-18.4	20.0
Phenanthrene	Ave	1.045	1.091		1044	1000	4.4	40.0
Anthracene	Ave	1.040	1.104		1061	1000	6.1	40.0
Carbazole	Qua	0.6248	1.002		1507	1000	50.7*	50.0
Di-n-butyl phthalate	Ave	1.378	1.530		1110	1000	11.0	40.0
Fluoranthene	Ave	1.067	1.143		1071	1000	7.1	20.0
Pyrene	Ave	1.141	1.268		1111	1000	11.1	40.0
Butyl benzyl phthalate	Lin1	0.1155	0.1381		1087	1000	8.7	40.0
3,3'-Dichlorobenzidine	Lin1	0.2157	0.3130		1197	1000	19.7	50.0
Benzo[a]anthracene	Ave	0.9192	1.010		1099	1000	9.9	40.0
Bis(2-ethylhexyl) phthalate	Lin1	0.7625	0.9430		1115	1000	11.5	40.0
Chrysene	Ave	0.9265	0.9480		1023	1000	2.3	40.0
Di-n-octyl phthalate	Lin1	1.524	1.772		1198	1000	19.8	20.0
Benzo[b]fluoranthene	Lin1	0.8502	1.128		1139	1000	13.9	40.0
Benzo[k]fluoranthene	Ave	1.145	1.158		1011	1000	1.1	40.0
Benzo[a]pyrene	Lin1	0.8631	1.026		1067	1000	6.7	20.0
Indeno[1,2,3-cd]pyrene	Lin1	0.9055	1.084		1067	1000	6.7	40.0
Dibenz(a,h)anthracene	Lin1	0.7575	0.9607		1112	1000	11.2	40.0
Benzo[g,h,i]perylene	Ave	0.8342	0.9532		1143	1000	14.3	40.0
2-Fluorophenol	Ave	1.110	0.9191		828	1000	-17.2	40.0
Phenol-d5 (Surr)	Ave	1.703	1.581		928	1000	-7.2	
Nitrobenzene-d5	Ave	0.4241	0.3669		865	1000	-13.5	40.0
2-Fluorobiphenyl	Ave	1.177	1.207		1026	1000	2.6	40.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCVIS 600-124073/4 Calibration Date: 12/31/2013 14:01
Instrument ID: SVMS08 Calib Start Date: 12/19/2013 12:57
GC Column: RXi-5ms ID: 0.25 (mm) Calib End Date: 12/19/2013 15:59
Lab File ID: 12311306.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,6-Tribromophenol	Lin1	0.1186	0.1209		902	1000	-9.8	40.0
Terphenyl-d14	Ave	0.7623	0.8588		1127	1000	12.7	40.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 600-123505/1-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>12311307.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: _____
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/31/2013 14:28</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124073</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.160	U	1.00	0.160
208-96-8	Acenaphthylene	0.160	U	1.00	0.160
120-12-7	Anthracene	0.440	U	1.50	0.440
92-87-5	Benzidine	17.9	U	50.0	17.9
56-55-3	Benzo[a]anthracene	0.250	U	2.00	0.250
205-99-2	Benzo[b]fluoranthene	0.180	U	2.00	0.180
207-08-9	Benzo[k]fluoranthene	0.160	U	2.00	0.160
191-24-2	Benzo[g,h,i]perylene	0.350	U	2.50	0.350
50-32-8	Benzo[a]pyrene	0.130	U	1.50	0.130
111-91-1	Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190
111-44-4	Bis(2-chloroethyl)ether	0.180	U	1.50	0.180
117-81-7	Bis(2-ethylhexyl) phthalate	0.6592	J	2.50	0.590
101-55-3	4-Bromophenyl phenyl ether	0.250	U	1.50	0.250
85-68-7	Butyl benzyl phthalate	1.136	J	2.50	0.850
106-47-8	4-Chloroaniline	0.110	U	1.00	0.110
91-58-7	2-Chloronaphthalene	0.190	U	1.50	0.190
7005-72-3	4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230
86-74-8	Carbazole	0.350	U	5.00	0.350
218-01-9	Chrysene	0.240	U	1.50	0.240
84-74-2	Di-n-butyl phthalate	1.87	U	5.00	1.87
53-70-3	Dibenz(a,h)anthracene	0.290	U	2.50	0.290
132-64-9	Dibenzofuran	0.160	U	1.50	0.160
95-50-1	1,2-Dichlorobenzene	0.210	U	1.75	0.210
541-73-1	1,3-Dichlorobenzene	0.100	U	1.50	0.100
106-46-7	1,4-Dichlorobenzene	0.160	U	2.00	0.160
91-94-1	3,3'-Dichlorobenzidine	0.320	U	5.00	0.320
84-66-2	Diethyl phthalate	4.19	U	5.00	4.19
131-11-3	Dimethyl phthalate	0.180	U	2.50	0.180
121-14-2	2,4-Dinitrotoluene	0.320	U	1.50	0.320
117-84-0	Di-n-octyl phthalate	0.160	U	5.00	0.160
206-44-0	Fluoranthene	0.310	U	2.50	0.310
86-73-7	Fluorene	0.120	U	1.50	0.120
118-74-1	Hexachlorobenzene	0.250	U	1.50	0.250
77-47-4	Hexachlorocyclopentadiene	0.150	U	1.50	0.150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 600-123505/1-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>12311307.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: _____
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/31/2013 14:28</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124073</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	0.170	U	2.00	0.170
87-68-3	Hexachlorobutadiene	0.190	U	2.00	0.190
193-39-5	Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290
78-59-1	Isophorone	0.150	U	1.50	0.150
91-57-6	2-Methylnaphthalene	0.140	U	1.50	0.140
91-20-3	Naphthalene	0.160	U	2.00	0.160
88-74-4	2-Nitroaniline	0.350	U	2.50	0.350
99-09-2	3-Nitroaniline	0.130	U	2.50	0.130
100-01-6	4-Nitroaniline	0.230	U	2.50	0.230
98-95-3	Nitrobenzene	0.200	U	1.50	0.200
62-75-9	N-Nitrosodimethylamine	0.160	U	2.00	0.160
86-30-6	N-Nitrosodiphenylamine	0.330	U	1.50	0.330
621-64-7	N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240
85-01-8	Phenanthrene	0.290	U	1.50	0.290
129-00-0	Pyrene	0.330	U	2.00	0.330
120-82-1	1,2,4-Trichlorobenzene	0.160	U	2.00	0.160
100-51-6	Benzyl alcohol	0.510	U	2.00	0.510
59-50-7	4-Chloro-3-methylphenol	0.250	U	1.00	0.250
95-57-8	2-Chlorophenol	0.220	U	2.00	0.220
95-48-7	2-Methylphenol	0.190	U	1.50	0.190
15831-10-4	3 & 4 Methylphenol	0.160	U	1.00	0.160
120-83-2	2,4-Dichlorophenol	0.260	U	2.50	0.260
105-67-9	2,4-Dimethylphenol	0.180	U	2.50	0.180
534-52-1	4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160
51-28-5	2,4-Dinitrophenol	0.400	U	5.00	0.400
88-75-5	2-Nitrophenol	0.220	U	1.00	0.220
100-02-7	4-Nitrophenol	0.330	U	2.50	0.330
87-86-5	Pentachlorophenol	0.960	U	2.50	0.960
108-95-2	Phenol	0.140	U	1.50	0.140
95-95-4	2,4,5-Trichlorophenol	0.290	U	2.00	0.290
88-06-2	2,4,6-Trichlorophenol	0.330	U	2.00	0.330
606-20-2	2,6-Dinitrotoluene	0.290	U	1.00	0.290
108-60-1	bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 600-123505/1-A
Matrix: Water Lab File ID: 12311307.D
Analysis Method: 8270C LL Date Collected: _____
Extract. Method: 3510C Date Extracted: 12/23/2013 10:49
Sample wt/vol: 250 (mL) Date Analyzed: 12/31/2013 14:28
Con. Extract Vol.: 1.00 (mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 124073 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	93		33-141
4165-60-0	Nitrobenzene-d5	66		47-120
367-12-4	2-Fluorophenol	49		18-120
321-60-8	2-Fluorobiphenyl	77		43-120
118-79-6	2,4,6-Tribromophenol	57		44-123
4165-62-2	Phenol-d5 (Surr)	30		12-128

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 600-123505/2-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>12271307.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: _____
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/27/2013 13:24</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123836</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	5.562		1.00	0.160
208-96-8	Acenaphthylene	6.057		1.00	0.160
120-12-7	Anthracene	6.083		1.50	0.440
92-87-5	Benzidine	17.9	U	50.0	17.9
56-55-3	Benzo[a]anthracene	6.521		2.00	0.250
205-99-2	Benzo[b]fluoranthene	6.168		2.00	0.180
207-08-9	Benzo[k]fluoranthene	6.171		2.00	0.160
191-24-2	Benzo[g,h,i]perylene	6.722		2.50	0.350
50-32-8	Benzo[a]pyrene	6.250		1.50	0.130
111-91-1	Bis(2-chloroethoxy)methane	5.695		1.50	0.190
111-44-4	Bis(2-chloroethyl)ether	6.042		1.50	0.180
117-81-7	Bis(2-ethylhexyl) phthalate	6.963		2.50	0.590
101-55-3	4-Bromophenyl phenyl ether	5.991		1.50	0.250
85-68-7	Butyl benzyl phthalate	6.915		2.50	0.850
106-47-8	4-Chloroaniline	4.013		1.00	0.110
91-58-7	2-Chloronaphthalene	5.348		1.50	0.190
7005-72-3	4-Chlorophenyl phenyl ether	5.732		1.50	0.230
86-74-8	Carbazole	9.046		5.00	0.350
218-01-9	Chrysene	6.062		1.50	0.240
84-74-2	Di-n-butyl phthalate	6.518		5.00	1.87
53-70-3	Dibenz(a,h)anthracene	6.585		2.50	0.290
132-64-9	Dibenzofuran	5.500		1.50	0.160
95-50-1	1,2-Dichlorobenzene	4.671		1.75	0.210
541-73-1	1,3-Dichlorobenzene	4.306		1.50	0.100
106-46-7	1,4-Dichlorobenzene	4.348		2.00	0.160
91-94-1	3,3'-Dichlorobenzidine	6.418		5.00	0.320
84-66-2	Diethyl phthalate	6.419		5.00	4.19
131-11-3	Dimethyl phthalate	5.961		2.50	0.180
121-14-2	2,4-Dinitrotoluene	6.120		1.50	0.320
117-84-0	Di-n-octyl phthalate	7.097		5.00	0.160
206-44-0	Fluoranthene	6.128		2.50	0.310
86-73-7	Fluorene	5.923		1.50	0.120
118-74-1	Hexachlorobenzene	6.151		1.50	0.250
77-47-4	Hexachlorocyclopentadiene	2.047		1.50	0.150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 600-123505/2-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>12271307.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: _____
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/27/2013 13:24</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123836</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	3.541		2.00	0.170
87-68-3	Hexachlorobutadiene	3.582		2.00	0.190
193-39-5	Indeno[1,2,3-cd]pyrene	6.441		2.00	0.290
78-59-1	Isophorone	5.359		1.50	0.150
91-57-6	2-Methylnaphthalene	5.244		1.50	0.140
91-20-3	Naphthalene	5.477		2.00	0.160
88-74-4	2-Nitroaniline	6.167		2.50	0.350
99-09-2	3-Nitroaniline	0.1408	J	2.50	0.130
100-01-6	4-Nitroaniline	8.316		2.50	0.230
98-95-3	Nitrobenzene	5.721		1.50	0.200
62-75-9	N-Nitrosodimethylamine	3.843		2.00	0.160
86-30-6	N-Nitrosodiphenylamine	9.516		1.50	0.330
621-64-7	N-Nitrosodi-n-propylamine	5.864		2.50	0.240
85-01-8	Phenanthrene	6.026		1.50	0.290
129-00-0	Pyrene	6.370		2.00	0.330
120-82-1	1,2,4-Trichlorobenzene	4.732		2.00	0.160
100-51-6	Benzyl alcohol	4.701		2.00	0.510
59-50-7	4-Chloro-3-methylphenol	5.192		1.00	0.250
95-57-8	2-Chlorophenol	6.567		2.00	0.220
95-48-7	2-Methylphenol	5.545		1.50	0.190
15831-10-4	3 & 4 Methylphenol	4.902		1.00	0.160
120-83-2	2,4-Dichlorophenol	5.681		2.50	0.260
105-67-9	2,4-Dimethylphenol	5.305		2.50	0.180
534-52-1	4,6-Dinitro-2-methylphenol	9.047		2.00	0.160
51-28-5	2,4-Dinitrophenol	4.766	J	5.00	0.400
88-75-5	2-Nitrophenol	6.479		1.00	0.220
100-02-7	4-Nitrophenol	5.612		2.50	0.330
87-86-5	Pentachlorophenol	5.129		2.50	0.960
108-95-2	Phenol	3.508		1.50	0.140
95-95-4	2,4,5-Trichlorophenol	5.609		2.00	0.290
88-06-2	2,4,6-Trichlorophenol	5.864		2.00	0.330
606-20-2	2,6-Dinitrotoluene	6.123		1.00	0.290
108-60-1	bis (2-Chloroisopropyl) ether	6.048		1.00	0.180

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 600-123505/2-A
Matrix: Water Lab File ID: 12271307.D
Analysis Method: 8270C LL Date Collected: _____
Extract. Method: 3510C Date Extracted: 12/23/2013 10:49
Sample wt/vol: 250 (mL) Date Analyzed: 12/27/2013 13:24
Con. Extract Vol.: 1.00 (mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 123836 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	78		33-141
4165-60-0	Nitrobenzene-d5	65		47-120
367-12-4	2-Fluorophenol	57		18-120
321-60-8	2-Fluorobiphenyl	71		43-120
118-79-6	2,4,6-Tribromophenol	71		44-123
4165-62-2	Phenol-d5 (Surr)	40		12-128

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCSD 600-123505/3-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>12271308.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: _____
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/27/2013 13:49</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123836</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	7.455		1.00	0.160
208-96-8	Acenaphthylene	7.496		1.00	0.160
120-12-7	Anthracene	7.208		1.50	0.440
92-87-5	Benzidine	17.9	U	50.0	17.9
56-55-3	Benzo[a]anthracene	7.845		2.00	0.250
205-99-2	Benzo[b]fluoranthene	8.173		2.00	0.180
207-08-9	Benzo[k]fluoranthene	7.646		2.00	0.160
191-24-2	Benzo[g,h,i]perylene	8.299		2.50	0.350
50-32-8	Benzo[a]pyrene	7.766		1.50	0.130
111-91-1	Bis(2-chloroethoxy)methane	6.962		1.50	0.190
111-44-4	Bis(2-chloroethyl)ether	6.652		1.50	0.180
117-81-7	Bis(2-ethylhexyl) phthalate	8.391		2.50	0.590
101-55-3	4-Bromophenyl phenyl ether	7.410		1.50	0.250
85-68-7	Butyl benzyl phthalate	8.553		2.50	0.850
106-47-8	4-Chloroaniline	5.184		1.00	0.110
91-58-7	2-Chloronaphthalene	7.459		1.50	0.190
7005-72-3	4-Chlorophenyl phenyl ether	7.347		1.50	0.230
86-74-8	Carbazole	7.163		5.00	0.350
218-01-9	Chrysene	7.014		1.50	0.240
84-74-2	Di-n-butyl phthalate	7.668		5.00	1.87
53-70-3	Dibenz(a,h)anthracene	8.227		2.50	0.290
132-64-9	Dibenzofuran	6.899		1.50	0.160
95-50-1	1,2-Dichlorobenzene	7.029		1.75	0.210
541-73-1	1,3-Dichlorobenzene	6.720		1.50	0.100
106-46-7	1,4-Dichlorobenzene	6.865		2.00	0.160
91-94-1	3,3'-Dichlorobenzidine	8.552		5.00	0.320
84-66-2	Diethyl phthalate	7.629		5.00	4.19
131-11-3	Dimethyl phthalate	7.082		2.50	0.180
121-14-2	2,4-Dinitrotoluene	7.377		1.50	0.320
117-84-0	Di-n-octyl phthalate	8.523		5.00	0.160
206-44-0	Fluoranthene	7.291		2.50	0.310
86-73-7	Fluorene	7.217		1.50	0.120
118-74-1	Hexachlorobenzene	7.553		1.50	0.250
77-47-4	Hexachlorocyclopentadiene	4.226		1.50	0.150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCSD 600-123505/3-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>12271308.D</u>
Analysis Method: <u>8270C LL</u>	Date Collected: _____
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:49</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/27/2013 13:49</u>
Con. Extract Vol.: <u>1.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: _____	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123836</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	6.447		2.00	0.170
87-68-3	Hexachlorobutadiene	6.719		2.00	0.190
193-39-5	Indeno[1,2,3-cd]pyrene	7.848		2.00	0.290
78-59-1	Isophorone	6.530		1.50	0.150
91-57-6	2-Methylnaphthalene	7.442		1.50	0.140
91-20-3	Naphthalene	7.075		2.00	0.160
88-74-4	2-Nitroaniline	7.532		2.50	0.350
99-09-2	3-Nitroaniline	0.2120	J	2.50	0.130
100-01-6	4-Nitroaniline	8.939		2.50	0.230
98-95-3	Nitrobenzene	6.896		1.50	0.200
62-75-9	N-Nitrosodimethylamine	4.516		2.00	0.160
86-30-6	N-Nitrosodiphenylamine	13.84		1.50	0.330
621-64-7	N-Nitrosodi-n-propylamine	6.900		2.50	0.240
85-01-8	Phenanthrene	7.241		1.50	0.290
129-00-0	Pyrene	7.786		2.00	0.330
120-82-1	1,2,4-Trichlorobenzene	7.196		2.00	0.160
100-51-6	Benzyl alcohol	6.067		2.00	0.510
59-50-7	4-Chloro-3-methylphenol	6.662		1.00	0.250
95-57-8	2-Chlorophenol	7.711		2.00	0.220
95-48-7	2-Methylphenol	6.958		1.50	0.190
15831-10-4	3 & 4 Methylphenol	6.596		1.00	0.160
120-83-2	2,4-Dichlorophenol	8.079		2.50	0.260
105-67-9	2,4-Dimethylphenol	7.446		2.50	0.180
534-52-1	4,6-Dinitro-2-methylphenol	11.11		2.00	0.160
51-28-5	2,4-Dinitrophenol	5.270		5.00	0.400
88-75-5	2-Nitrophenol	8.317		1.00	0.220
100-02-7	4-Nitrophenol	6.730		2.50	0.330
87-86-5	Pentachlorophenol	6.588		2.50	0.960
108-95-2	Phenol	4.404		1.50	0.140
95-95-4	2,4,5-Trichlorophenol	7.549		2.00	0.290
88-06-2	2,4,6-Trichlorophenol	7.605		2.00	0.330
606-20-2	2,6-Dinitrotoluene	7.486		1.00	0.290
108-60-1	bis (2-Chloroisopropyl) ether	7.177		1.00	0.180

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 600-123505/3-A
Matrix: Water Lab File ID: 12271308.D
Analysis Method: 8270C LL Date Collected: _____
Extract. Method: 3510C Date Extracted: 12/23/2013 10:49
Sample wt/vol: 250 (mL) Date Analyzed: 12/27/2013 13:49
Con. Extract Vol.: 1.00 (mL) Dilution Factor: 1
Injection Volume: _____ Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 123836 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	109		33-141
4165-60-0	Nitrobenzene-d5	85		47-120
367-12-4	2-Fluorophenol	73		18-120
321-60-8	2-Fluorobiphenyl	91		43-120
118-79-6	2,4,6-Tribromophenol	99		44-123
4165-62-2	Phenol-d5 (Surr)	51		12-128

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: SVMS08 Start Date: 10/18/2013 08:46Analysis Batch Number: 118633 End Date: 10/18/2013 17:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 600-118633/1		10/18/2013 08:46	1	10181303.D	RXi-5ms 0.25 (mm)
IC 600-118633/2		10/18/2013 09:00	1	10181304.D	RXi-5ms 0.25 (mm)
IC 600-118633/3		10/18/2013 09:26	1	10181305.D	RXi-5ms 0.25 (mm)
IC 600-118633/4		10/18/2013 09:53	1	10181306.D	RXi-5ms 0.25 (mm)
IC 600-118633/5		10/18/2013 10:20	1	10181307.D	RXi-5ms 0.25 (mm)
ICIS 600-118633/6		10/18/2013 10:47	1	10181308.D	RXi-5ms 0.25 (mm)
IC 600-118633/7		10/18/2013 11:14	1	10181309.D	RXi-5ms 0.25 (mm)
IC 600-118633/8		10/18/2013 11:41	1	10181310.D	RXi-5ms 0.25 (mm)
IC 600-118633/9		10/18/2013 12:08	1	10181311.D	RXi-5ms 0.25 (mm)
ICV 600-118633/10		10/18/2013 12:35	1		RXi-5ms 0.25 (mm)
ICV 600-118633/11		10/18/2013 13:01	1		RXi-5ms 0.25 (mm)
IC 600-118633/12		10/18/2013 13:28	1		RXi-5ms 0.25 (mm)
IC 600-118633/13		10/18/2013 13:54	1		RXi-5ms 0.25 (mm)
IC 600-118633/14		10/18/2013 14:21	1		RXi-5ms 0.25 (mm)
IC 600-118633/15		10/18/2013 14:48	1		RXi-5ms 0.25 (mm)
IC 600-118633/16		10/18/2013 15:14	1		RXi-5ms 0.25 (mm)
IC 600-118633/17		10/18/2013 15:41	1		RXi-5ms 0.25 (mm)
IC 600-118633/18		10/18/2013 16:08	1		RXi-5ms 0.25 (mm)
IC 600-118633/19		10/18/2013 16:35	1		RXi-5ms 0.25 (mm)
ICV 600-118633/20		10/18/2013 17:02	1		RXi-5ms 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: SVMS08 Start Date: 12/19/2013 12:43Analysis Batch Number: 123712 End Date: 12/19/2013 16:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 600-123712/1		12/19/2013 12:43	1	12191302.D	RXi-5ms 0.25 (mm)
IC 600-123712/2		12/19/2013 12:57	1	12191303.D	RXi-5ms 0.25 (mm)
IC 600-123712/3		12/19/2013 13:23	1	12191304.D	RXi-5ms 0.25 (mm)
IC 600-123712/4		12/19/2013 13:49	1	12191305.D	RXi-5ms 0.25 (mm)
IC 600-123712/5		12/19/2013 14:15	1	12191306.D	RXi-5ms 0.25 (mm)
ICIS 600-123712/6		12/19/2013 14:41	1	12191307.D	RXi-5ms 0.25 (mm)
IC 600-123712/7		12/19/2013 15:07	1	12191308.D	RXi-5ms 0.25 (mm)
IC 600-123712/8		12/19/2013 15:33	1	12191309.D	RXi-5ms 0.25 (mm)
IC 600-123712/9		12/19/2013 15:59	1	12191310.D	RXi-5ms 0.25 (mm)
ICV 600-123712/10		12/19/2013 16:25	1		RXi-5ms 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: SVMS08 Start Date: 12/27/2013 09:39Analysis Batch Number: 123836 End Date: 12/27/2013 21:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 600-123836/1		12/27/2013 09:39	1	12271301.D	RXi-5ms 0.25 (mm)
CCVIS 600-123836/2		12/27/2013 10:19	1	12271303.D	RXi-5ms 0.25 (mm)
CCV 600-123836/3		12/27/2013 10:44	1		RXi-5ms 0.25 (mm)
CCV 600-123836/4		12/27/2013 11:37	1	12271305.D	RXi-5ms 0.25 (mm)
LCS 600-123505/2-A		12/27/2013 13:24	1	12271307.D	RXi-5ms 0.25 (mm)
LCSD 600-123505/3-A		12/27/2013 13:49	1	12271308.D	RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 14:15	1		RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 14:41	1		RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 15:33	1		RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 15:59	1		RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 19:01	1		RXi-5ms 0.25 (mm)
600-84456-4	BlancoSouth-IDW-12182 013	12/27/2013 19:54	1	12271322.D	RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 20:20	1		RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 20:46	1		RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 21:12	1		RXi-5ms 0.25 (mm)
ZZZZZ		12/27/2013 21:38	1		RXi-5ms 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: SVMS08 Start Date: 12/31/2013 10:22Analysis Batch Number: 124073 End Date: 12/31/2013 14:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 600-124073/1		12/31/2013 10:22	1	12311301.D	RXi-5ms 0.25 (mm)
CCV 600-124073/2		12/31/2013 11:27	1		RXi-5ms 0.25 (mm)
CCV 600-124073/3		12/31/2013 11:53	1	12311305.D	RXi-5ms 0.25 (mm)
CCVIS 600-124073/4		12/31/2013 14:01	1	12311306.D	RXi-5ms 0.25 (mm)
MB 600-123505/1-A		12/31/2013 14:28	1	12311307.D	RXi-5ms 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123505 Batch Start Date: 12/23/13 10:49 Batch Analyst: Algieri, Maria RBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	SV_LL_LCS 00046
MB 600-123505/1		3510C, 8270C LL		7 SU	250 mL	1.00 mL	2 SU	12 SU	
LCS 600-123505/2		3510C, 8270C LL		7 SU	250 mL	1.00 mL	2 SU	12 SU	0.2 mL
LCSD 600-123505/3		3510C, 8270C LL		7 SU	250 mL	1.00 mL	2 SU	12 SU	0.2 mL
600-84456-F-4	BlancoSouth-IDW- 12182013	3510C, 8270C LL	T	7 SU	250 mL	1.00 mL	2 SU	12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_LL_SURR 00005					
MB 600-123505/1		3510C, 8270C LL		0.1 mL					
LCS 600-123505/2		3510C, 8270C LL		0.1 mL					
LCSD 600-123505/3		3510C, 8270C LL		0.1 mL					
600-84456-F-4	BlancoSouth-IDW- 12182013	3510C, 8270C LL	T	0.1 mL					

Batch Notes	

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.

8270C LL

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8081A

Organochlorine Pesticides (GC) by
Method 8081A

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): RTX-CLP1 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
BlancoSouth-IDW-12 182013	600-84456-4	76	49
	MB 600-123496/1-A	78	92
	LCS 600-123496/2-A	81	85
	LCSD 600-123496/3-A	81	78

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
32-143
36-144

Column to be used to flag recovery values

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: AL02_014.D
 Lab ID: LCS 600-123496/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	2.00	2.622	131	37-160	
4,4'-DDE	2.00	2.615	131	28-167	
4,4'-DDT	2.00	2.702	135	32-167	
Aldrin	2.00	2.690	135	33-155	
alpha-BHC	2.00	2.668	133	34-154	
alpha-Chlordane	2.00	2.483	124	37-157	
beta-BHC	2.00	2.621	131	34-155	
delta-BHC	2.00	2.612	131	24-177	
Dieldrin	2.00	2.544	127	36-156	
Endosulfan I	2.00	2.095	105	38-161	
Endosulfan II	2.00	2.718	136	39-160	
Endosulfan sulfate	2.00	2.578	129	24-188	
Endrin	2.00	2.304	115	39-164	
Endrin aldehyde	2.00	2.872	144	35-153	
Endrin ketone	2.00	2.655	133	36-170	
gamma-BHC (Lindane)	2.00	2.760	138	33-155	
gamma-Chlordane	2.00	2.572	129	37-159	
Heptachlor	2.00	2.805	140	35-156	
Heptachlor epoxide	2.00	2.579	129	37-159	
Methoxychlor	2.00	2.963	148	38-166	

Column to be used to flag recovery and RPD values

FORM III
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: AL02_015.D
 Lab ID: LCSD 600-123496/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
4,4'-DDD	2.00	2.651	133	1	20	37-160	
4,4'-DDE	2.00	2.583	129	1	20	28-167	
4,4'-DDT	2.00	2.718	136	1	20	32-167	
Aldrin	2.00	2.693	135	0	20	33-155	
alpha-BHC	2.00	2.688	134	1	20	34-154	
alpha-Chlordane	2.00	2.507	125	1	20	37-157	
beta-BHC	2.00	2.600	130	1	20	34-155	
delta-BHC	2.00	2.665	133	2	20	24-177	
Dieldrin	2.00	2.536	127	0	20	36-156	
Endosulfan I	2.00	2.078	104	1	20	38-161	
Endosulfan II	2.00	2.750	137	1	20	39-160	
Endosulfan sulfate	2.00	2.619	131	2	20	24-188	
Endrin	2.00	2.297	115	0	20	39-164	
Endrin aldehyde	2.00	3.006	150	5	20	35-153	
Endrin ketone	2.00	2.688	134	1	20	36-170	
gamma-BHC (Lindane)	2.00	2.779	139	1	20	33-155	
gamma-Chlordane	2.00	2.585	129	1	20	37-159	
Heptachlor	2.00	2.825	141	1	20	35-156	
Heptachlor epoxide	2.00	2.584	129	0	20	37-159	
Methoxychlor	2.00	2.730	136	8	20	38-166	

Column to be used to flag recovery and RPD values

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: MB 600-123496/1-A
Matrix: Water Date Extracted: 12/23/2013 10:18
Lab File ID: (1) AL02_013.D Lab File ID: (2) BL02_013.D
Date Analyzed: (1) 01/02/2014 15:03 Date Analyzed: (2) 01/02/2014 15:03
Instrument ID: (1) ECD09 Instrument ID: (2) ECD09
GC Column: (1) RTX-CLP1 ID: 0.32 (mm) GC Column: (2) RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE		DATE	
		ANALYZED 1		ANALYZED 2	
	LCS 600-123496/2-A	01/02/2014	15:30	01/02/2014	15:30
	LCSD 600-123496/3-A	01/02/2014	15:58	01/02/2014	15:58
BlancoSouth-IDW-12182013	600-84456-4	01/02/2014	16:53	01/02/2014	16:53

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: ICIS 600-124170/5 Date Analyzed: 01/02/2014 13:13
 Instrument ID: ECD09 GC Column: RTX-CLP1 ID: 0.32 (mm)
 Lab File ID (Standard): AL02_009.D Heated Purge: (Y/N) N
 Calibration ID: 2696

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		9070092	6.83				
UPPER LIMIT		18140184	6.99				
LOWER LIMIT		4535046	6.67				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 600-124170/7		11152647	6.83				
MB 600-123496/1-A		8636594	6.83				
LCS 600-123496/2-A		8620157	6.83				
LCSD 600-123496/3-A		8625657	6.82				
600-84456-4	BlancoSouth-IDW-12182013	8631345	6.82				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.16 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Sample No.: ICIS 600-124170/5 Date Analyzed: 01/02/2014 13:13
Instrument ID: ECD09 GC Column: RTX-CLP2 ID: 0.32 (mm)
Lab File ID (Standard): BL02_009.D Heated Purge: (Y/N) N
Calibration ID: 2697

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		5971920	6.67				
UPPER LIMIT		11943840	6.83				
LOWER LIMIT		2985960	6.51				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 600-124170/7		7414334	6.67				
MB 600-123496/1-A		5448369	6.67				
LCS 600-123496/2-A		5367277	6.67				
LCSD 600-123496/3-A		5392043	6.66				
600-84456-4	BlancoSouth-IDW-12182 013	7019440	6.66				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.16 minutes of internal standard RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-123496/2-A

Instrument ID (1): ECD09 Instrument ID (2): ECD09

Date Analyzed (1): 01/02/2014 15:30 Date Analyzed (2): 01/02/2014 15:30

GC Column (1): RTX-CLP1 ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		9.31	9.25	9.39	2.668		3.5
	2		9.40	9.34	9.50	2.763		
gamma-BHC (Lindane)	1		9.83	9.74	9.94	2.760		1.4
	2		9.98	9.91	10.07	2.721		
beta-BHC	1		9.99	9.96	10.06	2.621		5.7
	2		10.14	10.03	10.27	2.477		
delta-BHC	1		10.28	10.22	10.36	2.612		4.2
	2		10.59	10.50	10.70	2.723		
Heptachlor	1		10.59	10.49	10.69	2.805		13.6
	2		10.65	10.58	10.74	2.447		
Aldrin	1		11.04	10.97	11.13	2.690		3.6
	2		11.13	11.07	11.21	2.596		
Heptachlor epoxide	1		11.97	11.91	12.05	2.579		4.2
	2		12.00	11.94	12.08	2.688		
gamma-Chlordane	1		12.18	12.11	12.25	2.572		1.8
	2		12.31	12.25	12.39	2.526		
alpha-Chlordane	1		12.40	12.34	12.48	2.483		4.0
	2		12.57	12.52	12.62	2.584		
4,4'-DDE	1		12.59	12.44	12.74	2.615		3.8
	2		12.93	12.76	13.12	2.717		
Endosulfan I	1		12.64	12.52	12.76	2.095		19.1
	2		12.66	12.58	12.74	2.536		
Dieldrin	1		13.08	12.99	13.19	2.544		4.0
	2		13.16	13.08	13.24	2.649		
Endrin	1		13.50	13.43	13.59	2.304		3.0
	2		13.71	13.63	13.79	2.374		
4,4'-DDD	1		13.70	13.59	13.79	2.622		3.2
	2		14.00	13.92	14.08	2.708		
Endosulfan II	1		13.92	13.83	14.01	2.718		6.7
	2		14.11	14.03	14.19	2.542		
4,4'-DDT	1		14.20	14.17	14.23	2.702		6.6
	2		14.57	14.40	14.74	2.885		
Endrin aldehyde	1		14.69	14.62	14.76	2.872		1.7
	2		14.73	14.66	14.82	2.823		
Methoxychlor	1		15.12	15.05	15.19	2.963		6.5
	2		15.85	15.70	16.00	3.163		
Endosulfan sulfate	1		15.47	15.41	15.55	2.578		6.2
	2		15.24	15.16	15.32	2.744		
Endrin ketone	1		15.96	15.88	16.04	2.655		1.6
	2		16.15	16.07	16.23	2.698		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-123496/3-A

Instrument ID (1): ECD09 Instrument ID (2): ECD09

Date Analyzed (1): 01/02/2014 15:58 Date Analyzed (2): 01/02/2014 15:58

GC Column (1): RTX-CLP1 ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		9.30	9.25	9.39	2.688		2.6
	2		9.40	9.34	9.50	2.758		
gamma-BHC (Lindane)	1		9.83	9.74	9.94	2.779		3.6
	2		9.98	9.91	10.07	2.680		
beta-BHC	1		9.99	9.96	10.06	2.600		12.2
	2		10.14	10.03	10.27	2.301		
delta-BHC	1		10.28	10.22	10.36	2.665		1.5
	2		10.59	10.50	10.70	2.705		
Heptachlor	1		10.58	10.49	10.69	2.825		15.2
	2		10.65	10.58	10.74	2.427		
Aldrin	1		11.04	10.97	11.13	2.693		5.1
	2		11.13	11.07	11.21	2.560		
Heptachlor epoxide	1		11.97	11.91	12.05	2.584		2.9
	2		12.00	11.94	12.08	2.661		
gamma-Chlordane	1		12.18	12.11	12.25	2.585		2.8
	2		12.31	12.25	12.39	2.514		
alpha-Chlordane	1		12.40	12.34	12.48	2.507		2.3
	2		12.57	12.52	12.62	2.566		
4,4'-DDE	1		12.59	12.44	12.74	2.583		6.0
	2		12.93	12.76	13.12	2.742		
Endosulfan I	1		12.63	12.52	12.76	2.078		19.0
	2		12.65	12.58	12.74	2.514		
Dieldrin	1		13.08	12.99	13.19	2.536		3.2
	2		13.16	13.08	13.24	2.617		
Endrin	1		13.50	13.43	13.59	2.297		2.7
	2		13.71	13.63	13.79	2.359		
4,4'-DDD	1		13.70	13.59	13.79	2.651		4.0
	2		14.00	13.92	14.08	2.759		
Endosulfan II	1		13.92	13.83	14.01	2.750		2.7
	2		14.11	14.03	14.19	2.676		
4,4'-DDT	1		14.20	14.17	14.23	2.718		7.2
	2		14.57	14.40	14.74	2.921		
Endrin aldehyde	1		14.69	14.62	14.76	3.006		1.6
	2		14.73	14.66	14.82	2.957		
Methoxychlor	1		15.12	15.05	15.19	2.730		15.4
	2		15.85	15.70	16.00	3.186		
Endosulfan sulfate	1		15.47	15.41	15.55	2.619		6.7
	2		15.24	15.16	15.32	2.802		
Endrin ketone	1		15.96	15.88	16.04	2.688		1.8
	2		16.15	16.07	16.23	2.737		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: <u>BlancoSouth-IDW-12182013</u>	Lab Sample ID: <u>600-84456-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>AL02_017.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>12/18/2013 08:00</u>
Extraction Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:18</u>
Sample wt/vol: <u>125 (mL)</u>	Date Analyzed: <u>01/02/2014 16:53</u>
Con. Extract Vol.: <u>5.0 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>RTX-CLP1</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124170</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.00700	U	0.100	0.00700
72-55-9	4,4'-DDE	0.00700	U	0.100	0.00700
50-29-3	4,4'-DDT	0.00800	U	0.100	0.00800
309-00-2	Aldrin	0.00600	U	0.0500	0.00600
319-84-6	alpha-BHC	0.00700	U	0.0500	0.00700
5103-71-9	alpha-Chlordane	0.0500	U	0.0500	0.0500
319-85-7	beta-BHC	0.00800	U	0.0500	0.00800
57-74-9	Chlordane (technical)	0.0600	U	0.100	0.0600
319-86-8	delta-BHC	0.00500	U	0.0500	0.00500
60-57-1	Dieldrin	0.00700	U	0.100	0.00700
959-98-8	Endosulfan I	0.00700	U	0.0500	0.00700
33213-65-9	Endosulfan II	0.100	U	0.100	0.100
1031-07-8	Endosulfan sulfate	0.0250	U	0.100	0.0250
72-20-8	Endrin	0.00700	U	0.100	0.00700
7421-93-4	Endrin aldehyde	0.00700	U	0.100	0.00700
53494-70-5	Endrin ketone	0.00700	U	0.100	0.00700
58-89-9	gamma-BHC (Lindane)	0.00600	U	0.0500	0.00600
5103-74-2	gamma-Chlordane	0.00700	U	0.0500	0.00700
76-44-8	Heptachlor	0.00600	U	0.0500	0.00600
1024-57-3	Heptachlor epoxide	0.00700	U	0.0500	0.00700
72-43-5	Methoxychlor	0.00900	U	0.0500	0.00900
8001-35-2	Toxaphene	2.44	U	5.00	2.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49		36-144
877-09-8	Tetrachloro-m-xylene	76		32-143

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 121265

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2013 21:12 Calibration End Date: 11/21/2013 23:15 Calibration ID: 2610

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121265/1	AL21_030.D
Level 2	IC 600-121265/2	AL21_031.D
Level 3	IC 600-121265/3	AL21_032.D
Level 4	IC 600-121265/4	AL21_033.D
Level 5	IC 600-121265/5	AL21_034.D
Level 6	IC 600-121265/6	AL21_035.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 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene	0 0	0	0	0	0	Ave		0.0250			0.0010	10.7		20.0			
Toxaphene Peak 1	0.0235 0.0296	0.0240	0.0218	0.0258	0.0256	Ave		0.0250			0.0010			20.0	10.6583		
Toxaphene Peak 2	0.0340 0.0424	0.0334	0.0314	0.0373	0.0379	Ave		0.0361			0.0010			20.0	10.9519		
Toxaphene Peak 3	0.0336 0.0369	0.0301	0.0283	0.0327	0.0330	Ave		0.0324			0.0010			20.0	9.1448		
Toxaphene Peak 4	0.0408 0.0481	0.0406	0.0374	0.0434	0.0440	Ave		0.0424			0.0010			20.0	8.6775		
Toxaphene Peak 5	0.0268 0.0274	0.0190	0.0183	0.0223	0.0244	Ave		0.0230			0.0010			20.0	16.7059		

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 121265

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2013 21:12 Calibration End Date: 11/21/2013 23:15 Calibration ID: 2610

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121265/1	AL21_030.D
Level 2	IC 600-121265/2	AL21_031.D
Level 3	IC 600-121265/3	AL21_032.D
Level 4	IC 600-121265/4	AL21_033.D
Level 5	IC 600-121265/5	AL21_034.D
Level 6	IC 600-121265/6	AL21_035.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene	BNB	Ave	0 0	0	0	0	0	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 1	BNB	Ave	22305 580755	45654	84709	219671	404989	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 2	BNB	Ave	32309 832410	63565	122073	317736	598294	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 3	BNB	Ave	31918 723986	57391	109946	278245	522128	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 4	BNB	Ave	38713 944389	77386	145061	369845	695104	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 5	BNB	Ave	25415 537421	36274	70904	189741	384868	0.200 4.00	0.400	0.800	1.60	3.20

Curve Type Legend:

Ave = Average ISTD

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 121265

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2013 21:12 Calibration End Date: 11/21/2013 23:15 Calibration ID: 2611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121265/1	BL21_030.D
Level 2	IC 600-121265/2	BL21_031.D
Level 3	IC 600-121265/3	BL21_032.D
Level 4	IC 600-121265/4	BL21_033.D
Level 5	IC 600-121265/5	BL21_034.D
Level 6	IC 600-121265/6	BL21_035.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 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene	0 0	0	0	0	0	Ave		0.0236			0.0010	4.5		20.0			
Toxaphene Peak 1	0.0239 0.0234	0.0239	0.0247	0.0242	0.0217	Ave		0.0236			0.0010			20.0	4.4915		
Toxaphene Peak 2	0.0484 0.0499	0.0480	0.0435	0.0462	0.0454	Ave		0.0469			0.0010			20.0	4.9530		
Toxaphene Peak 3	0.0603 0.0596	0.0567	0.0522	0.0552	0.0540	Ave		0.0563			0.0010			20.0	5.6401		
Toxaphene Peak 4	0.0362 0.0344	0.0330	0.0311	0.0319	0.0308	Ave		0.0329			0.0010			20.0	6.3201		
Toxaphene Peak 5	0.0574 0.0544	0.0531	0.0495	0.0512	0.0490	Ave		0.0524			0.0010			20.0	6.0672		

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 121265

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/21/2013 21:12 Calibration End Date: 11/21/2013 23:15 Calibration ID: 2611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121265/1	BL21_030.D
Level 2	IC 600-121265/2	BL21_031.D
Level 3	IC 600-121265/3	BL21_032.D
Level 4	IC 600-121265/4	BL21_033.D
Level 5	IC 600-121265/5	BL21_034.D
Level 6	IC 600-121265/6	BL21_035.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene	BNB	Ave	0 0	0	0	0	0	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 1	BNB	Ave	18947 358186	37160	76947	163980	268945	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 2	BNB	Ave	38456 764264	74477	135388	312624	563577	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 3	BNB	Ave	47924 911817	87946	162481	373386	670297	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 4	BNB	Ave	28747 526691	51151	96882	215578	382753	0.200 4.00	0.400	0.800	1.60	3.20
Toxaphene Peak 5	BNB	Ave	45585 832017	82373	154132	346131	608360	0.200 4.00	0.400	0.800	1.60	3.20

Curve Type Legend:

Ave = Average ISTD

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 124170

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 11:50 Calibration End Date: 01/02/2014 13:40 Calibration ID: 2696

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124170/2	AL02_006.D
Level 2	IC 600-124170/3	AL02_007.D
Level 3	IC 600-124170/4	AL02_008.D
Level 4	ICIS 600-124170/5	AL02_009.D
Level 5	IC 600-124170/6	AL02_010.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								
alpha-BHC	1.2594	1.2309	1.3636	1.4382	1.4901	Ave		1.3854			0.0010	8.8		20.0			
gamma-BHC (Lindane)	1.0285	1.0096	1.1335	1.1734	1.2076	Ave		1.1322			0.0010	8.4		20.0			
beta-BHC	0.4303	0.4538	0.4914	0.4815	0.4357	Ave		0.4629			0.0010	5.7		20.0			
delta-BHC	0.8961	0.8890	1.0408	1.0873	1.0957	Ave		1.0288			0.0010	10.9		20.0			
Heptachlor	1.1751	1.1577	1.2310	1.2871	1.1547	Ave		1.2179			0.0010	5.4		20.0			
Aldrin	1.0404	1.0361	1.1285	1.1530	1.1547	Ave		1.1200			0.0010	6.1		20.0			
Heptachlor epoxide	1.0137	0.9494	1.0055	1.0037	1.0235	Ave		1.0030			0.0010	2.7		20.0			
gamma-Chlordane	0.9918	0.9858	1.0614	1.0777	1.0989	Ave		1.0523			0.0010	4.9		20.0			
alpha-Chlordane	1.1390	0.9733	1.0295	1.0466	1.0676	Ave		1.0517			0.0010	5.1		20.0			
4,4'-DDE	0.6832	0.5951	0.8116	0.7726	0.8016	Ave		0.7471			0.0010	12.0		20.0			
Endosulfan I	1.7193	1.6473	1.3825	1.5428	1.5491	Ave		1.5497			0.0010	7.9		20.0			
Dieldrin	1.0487	0.9557	1.0629	1.1026	1.1089	Ave		1.0603			0.0010	5.3		20.0			
Endrin	0.8673	0.8070	0.8643	0.8533	0.8678	Ave		0.8533			0.0010	2.7		20.0			
4,4'-DDD	0.7934	0.7316	0.7762	0.8253	0.8497	Ave		0.8000			0.0010	5.3		20.0			
Endosulfan II	1.0346	0.9419	0.9373	0.9629	0.9749	Ave		0.9636			0.0010	4.0		20.0			
4,4'-DDT	0.8930	0.8432	0.8594	0.9146	0.9336	Ave		0.8941			0.0010	4.0		20.0			
Endrin aldehyde	0.7691	0.6642	0.5881	0.7097	0.7040	Ave		0.6798			0.0010	9.2		20.0			
Methoxychlor	0.5615	0.4699	0.4525	0.4377	0.4477	Ave		0.4680			0.0010	10.1		20.0			
Endosulfan sulfate	1.1005	1.0131	0.8751	0.8749	0.8858	Ave		0.9391			0.0010	10.2		20.0			
Endrin ketone	1.3683	1.2742	1.1297	1.1371	1.1318	Ave		1.1942			0.0010	8.6		20.0			
Tetrachloro-m-xylene	0.9549	0.9162	0.9496	0.9375	0.9766	Ave		0.9504			0.0010	2.3		20.0			
DCB Decachlorobiphenyl	1.6718	1.4316	1.3944	1.2635	1.3435	Ave		1.4065			0.0010	10.1		20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 124170

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 11:50 Calibration End Date: 01/02/2014 13:40 Calibration ID: 2696

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124170/2	AL02_006.D
Level 2	IC 600-124170/3	AL02_007.D
Level 3	IC 600-124170/4	AL02_008.D
Level 4	ICIS 600-124170/5	AL02_009.D
Level 5	IC 600-124170/6	AL02_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	108356	213316	475265	1043600	1564266	0.00500	0.0100	0.0200	0.0400	0.0600
gamma-BHC (Lindane)	BNB	Ave	88485	174965	395076	851459	1267670	0.00500	0.0100	0.0200	0.0400	0.0600
beta-BHC	BNB	Ave	37019	78654	171269	349380	457360	0.00500	0.0100	0.0200	0.0400	0.0600
delta-BHC	BNB	Ave	77092	154071	362748	788939	1150248	0.00500	0.0100	0.0200	0.0400	0.0600
Heptachlor	BNB	Ave	101104	200629	429042	933941	1212222	0.00500	0.0100	0.0200	0.0400	0.0600
Aldrin	BNB	Ave	89509	179559	393334	836599	1212222	0.00500	0.0100	0.0200	0.0400	0.0600
Heptachlor epoxide	BNB	Ave	87210	164530	350436	728310	1074414	0.00500	0.0100	0.0200	0.0400	0.0600
gamma-Chlordane	BNB	Ave	85327	170852	369931	782022	1153628	0.00500	0.0100	0.0200	0.0400	0.0600
alpha-Chlordane	BNB	Ave	97993	168670	358808	759450	1120758	0.00500	0.0100	0.0200	0.0400	0.0600
4,4'-DDE	BNB	Ave	117558	206281	565736	1121140	1682918	0.0100	0.0200	0.0400	0.0800	0.120
Endosulfan I	BNB	Ave	147921	285484	481866	1119479	1626172	0.00500	0.0100	0.0200	0.0400	0.0600
Dieldrin	BNB	Ave	180444	331245	740937	1600079	2328190	0.0100	0.0200	0.0400	0.0800	0.120
Endrin	BNB	Ave	149243	279721	602498	1238331	1822056	0.0100	0.0200	0.0400	0.0800	0.120
4,4'-DDD	BNB	Ave	136512	253575	541087	1197628	1784002	0.0100	0.0200	0.0400	0.0800	0.120
Endosulfan II	BNB	Ave	178027	326468	653341	1397420	2046836	0.0100	0.0200	0.0400	0.0800	0.120
4,4'-DDT	BNB	Ave	153654	292269	599049	1327302	1960080	0.0100	0.0200	0.0400	0.0800	0.120
Endrin aldehyde	BNB	Ave	132345	230209	409930	1029955	1478097	0.0100	0.0200	0.0400	0.0800	0.120
Methoxychlor	BNB	Ave	483055	814379	1577063	3175649	4700153	0.0500	0.100	0.200	0.400	0.600
Endosulfan sulfate	BNB	Ave	189361	351146	609994	1269658	1859803	0.0100	0.0200	0.0400	0.0800	0.120
Endrin ketone	BNB	Ave	235436	441649	787512	1650119	2376340	0.0100	0.0200	0.0400	0.0800	0.120
Tetrachloro-m-xylene	BNB	Ave	164309	317558	661948	1360444	2050381	0.0100	0.0200	0.0400	0.0800	0.120
DCB Decachlorobiphenyl	BNB	Ave	287662	496219	972006	1833648	2820654	0.0100	0.0200	0.0400	0.0800	0.120

Curve Type Legend:

Ave = Average ISTD

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 124170

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 11:50 Calibration End Date: 01/02/2014 14:08 Calibration ID: 2697

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124170/2	BL02_006.D
Level 2	IC 600-124170/3	BL02_007.D
Level 3	IC 600-124170/4	BL02_008.D
Level 4	ICIS 600-124170/5	BL02_009.D
Level 5	IC 600-124170/6	BL02_010.D
Level 6	IC 600-124170/8	BL02_011.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 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	2.0259 2.1300	1.9514	2.0058	2.0669	2.1367	Ave		2.0528			0.0010	3.5		20.0			
gamma-BHC (Lindane)	1.5695 1.5920	1.4711	1.5435	1.5438	1.5944	Ave		1.5524			0.0010	2.9		20.0			
beta-BHC	0.7408 0.6489	0.6921	0.6742	0.6540	0.6610	Ave		0.6785			0.0010	5.1		20.0			
delta-BHC	1.1834 1.3812	1.0660	1.3165	1.2923	1.3524	Ave		1.2653			0.0010	9.4		20.0			
Heptachlor	1.2899 1.0996	1.2360	1.0262	1.1170	1.1247	Ave		1.1489			0.0010	8.4		20.0			
Aldrin	1.8368 1.8017	1.7457	1.8019	1.7846	1.8116	Ave		1.7970			0.0010	1.7		20.0			
Heptachlor epoxide	1.5049 1.3680	1.4071	1.4048	1.3680	1.3880	Ave		1.4068			0.0010	3.6		20.0			
gamma-Chlordane	1.7578 1.6171	1.6341	1.6533	1.6167	1.6407	Ave		1.6533			0.0010	3.2		20.0			
alpha-Chlordane	1.7761 1.6314	1.6319	1.6816	1.6271	1.6493	Ave		1.6662			0.0010	3.5		20.0			
Endosulfan I	1.7832 1.5061	1.6391	1.5878	1.5371	1.5509	Ave		1.6007			0.0010	6.3		20.0			
4,4'-DDE	2.1504 1.9375	2.0132	1.9562	1.9536	1.9786	Ave		1.9982			0.0010	4.0		20.0			
Dieldrin	1.5551 1.3685	1.4419	1.4174	1.3971	1.4129	Ave		1.4321			0.0010	4.5		20.0			
Endrin	1.0571 0.9153	0.9707	0.9703	0.9364	0.9351	Ave		0.9641			0.0010	5.2		20.0			
4,4'-DDD	0.9232 0.8209	0.8459	0.8133	0.8201	0.8314	Ave		0.8425			0.0010	4.9		20.0			
Endosulfan II	1.8322 1.4489	1.7123	1.5591	1.5143	1.5038	Ave		1.5951			0.0010	9.2		20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 124170

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 11:50 Calibration End Date: 01/02/2014 14:08 Calibration ID: 2697

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 3	LVL 4	LVL 5		B	M1	M2								
4,4'-DDT	0.6861 0.6901	0.6511	0.6094	0.6619	0.6869	Ave		0.6643			0.0010	4.7		20.0			
Endrin aldehyde	1.1606 0.9789	1.0933	0.9858	1.0291	1.0013	Ave		1.0415			0.0010	6.9		20.0			
Endosulfan sulfate	1.6042 1.2549	1.4584	1.2869	1.3083	1.3012	Ave		1.3690			0.0010	9.9		20.0			
Methoxychlor	0.2809 0.2610	0.2628	0.2475	0.2506	0.2624	Ave		0.2609			0.0010	4.5		20.0			
Endrin ketone	1.6174 1.2471	1.5387	1.2993	1.2843	1.2963	Ave		1.3805			0.0010	11.3		20.0			
Tetrachloro-m-xylene	2.0994 2.0024	1.9719	2.0352	1.9792	2.0087	Ave		2.0161			0.0010	2.3		20.0			
DCB Decachlorobiphenyl	3.5628 3.0370	3.5358	3.0278	3.0433	3.1377	Ave		3.2241			0.0010	7.9		20.0			

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 124170

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 11:50 Calibration End Date: 01/02/2014 14:08 Calibration ID: 2697

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124170/2	BL02_006.D
Level 2	IC 600-124170/3	BL02_007.D
Level 3	IC 600-124170/4	BL02_008.D
Level 4	ICIS 600-124170/5	BL02_009.D
Level 5	IC 600-124170/6	BL02_010.D
Level 6	IC 600-124170/8	BL02_011.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	115733 2007085	224653	461526	987456	1478693	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
gamma-BHC (Lindane)	BNB	Ave	89659 1500173	169361	355141	737541	1103401	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
beta-BHC	BNB	Ave	42322 611444	79681	155123	312445	457419	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
delta-BHC	BNB	Ave	67604 1301533	122720	302927	617405	935918	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
Heptachlor	BNB	Ave	73688 1036193	142298	236111	533667	778357	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
Aldrin	BNB	Ave	104930 1697720	200979	414602	852593	1253710	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
Heptachlor epoxide	BNB	Ave	85972 1289040	161988	323235	653590	960579	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
gamma-Chlordane	BNB	Ave	100415 1523778	188131	380413	772403	1135494	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
alpha-Chlordane	BNB	Ave	101464 1537248	187869	386920	777354	1141443	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
Endosulfan I	BNB	Ave	101867 1419196	188705	365348	734365	1073286	0.00500 0.0800	0.0100	0.0200	0.0400	0.0600
4,4'-DDE	BNB	Ave	245694 3651471	463533	900191	1866646	2738667	0.0100 0.160	0.0200	0.0400	0.0800	0.120
Dieldrin	BNB	Ave	177676 2579164	331989	652256	1334951	1955618	0.0100 0.160	0.0200	0.0400	0.0800	0.120
Endrin	BNB	Ave	120776 1725029	223496	446512	894706	1294247	0.0100 0.160	0.0200	0.0400	0.0800	0.120
4,4'-DDD	BNB	Ave	105481 1547162	194776	374263	783615	1150800	0.0100 0.160	0.0200	0.0400	0.0800	0.120
Endosulfan II	BNB	Ave	209334 2730607	394263	717475	1446887	2081458	0.0100 0.160	0.0200	0.0400	0.0800	0.120
4,4'-DDT	BNB	Ave	78387 1300629	149926	280455	632444	950696	0.0100 0.160	0.0200	0.0400	0.0800	0.120

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84406-1 Analy Batch No.: 124170

SDG No.: _____

Instrument ID: ECD09 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 11:50 Calibration End Date: 01/02/2014 14:08 Calibration ID: 2697

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	BNB	Ave	132600 1844824	251724	453655	983322	1385944	0.0100 0.160	0.0200	0.0400	0.0800	0.120
Endosulfan sulfate	BNB	Ave	183289 2364971	335807	592191	1250128	1801016	0.0100 0.160	0.0200	0.0400	0.0800	0.120
Methoxychlor	BNB	Ave	160494 2459013	302594	569545	1197259	1816212	0.0500 0.800	0.100	0.200	0.400	0.600
Endrin ketone	BNB	Ave	184796 2350352	354299	597935	1227159	1794275	0.0100 0.160	0.0200	0.0400	0.0800	0.120
Tetrachloro-m-xylene	BNB	Ave	239862 3773801	454037	936544	1891156	2780211	0.0100 0.160	0.0200	0.0400	0.0800	0.120
DCB Decachlorobiphenyl	BNB	Ave	407059 5723631	814117	1393330	2907882	4342979	0.0100 0.160	0.0200	0.0400	0.0800	0.120

Curve Type Legend:

Ave = Average ISTD

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 600-123496/1-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>AL02_013.D</u>
Analysis Method: <u>8081A</u>	Date Collected: _____
Extraction Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:18</u>
Sample wt/vol: <u>125 (mL)</u>	Date Analyzed: <u>01/02/2014 15:03</u>
Con. Extract Vol.: <u>5.0 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>RTX-CLP1</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124170</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.00700	U	0.100	0.00700
72-55-9	4,4'-DDE	0.00700	U	0.100	0.00700
50-29-3	4,4'-DDT	0.00800	U	0.100	0.00800
309-00-2	Aldrin	0.00600	U	0.0500	0.00600
319-84-6	alpha-BHC	0.00700	U	0.0500	0.00700
5103-71-9	alpha-Chlordane	0.0500	U	0.0500	0.0500
319-85-7	beta-BHC	0.00800	U	0.0500	0.00800
57-74-9	Chlordane (technical)	0.0600	U	0.100	0.0600
319-86-8	delta-BHC	0.00500	U	0.0500	0.00500
60-57-1	Dieldrin	0.00700	U	0.100	0.00700
959-98-8	Endosulfan I	0.00700	U	0.0500	0.00700
33213-65-9	Endosulfan II	0.100	U	0.100	0.100
1031-07-8	Endosulfan sulfate	0.0250	U	0.100	0.0250
72-20-8	Endrin	0.00700	U	0.100	0.00700
7421-93-4	Endrin aldehyde	0.00700	U	0.100	0.00700
53494-70-5	Endrin ketone	0.00700	U	0.100	0.00700
58-89-9	gamma-BHC (Lindane)	0.00600	U	0.0500	0.00600
5103-74-2	gamma-Chlordane	0.00700	U	0.0500	0.00700
76-44-8	Heptachlor	0.00600	U	0.0500	0.00600
1024-57-3	Heptachlor epoxide	0.00700	U	0.0500	0.00700
72-43-5	Methoxychlor	0.00900	U	0.0500	0.00900
8001-35-2	Toxaphene	2.44	U	5.00	2.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		36-144
877-09-8	Tetrachloro-m-xylene	78		32-143

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 600-123496/2-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>AL02_014.D</u>
Analysis Method: <u>8081A</u>	Date Collected: _____
Extraction Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:18</u>
Sample wt/vol: <u>125(mL)</u>	Date Analyzed: <u>01/02/2014 15:30</u>
Con. Extract Vol.: <u>5.0(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>RTX-CLP1</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124170</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	2.622		0.100	0.00700
72-55-9	4,4'-DDE	2.615		0.100	0.00700
50-29-3	4,4'-DDT	2.702		0.100	0.00800
309-00-2	Aldrin	2.690		0.0500	0.00600
319-84-6	alpha-BHC	2.668		0.0500	0.00700
5103-71-9	alpha-Chlordane	2.483		0.0500	0.0500
319-85-7	beta-BHC	2.621		0.0500	0.00800
319-86-8	delta-BHC	2.612		0.0500	0.00500
60-57-1	Dieldrin	2.544		0.100	0.00700
959-98-8	Endosulfan I	2.095		0.0500	0.00700
33213-65-9	Endosulfan II	2.718		0.100	0.100
1031-07-8	Endosulfan sulfate	2.578		0.100	0.0250
72-20-8	Endrin	2.304		0.100	0.00700
7421-93-4	Endrin aldehyde	2.872		0.100	0.00700
53494-70-5	Endrin ketone	2.655		0.100	0.00700
58-89-9	gamma-BHC (Lindane)	2.760		0.0500	0.00600
5103-74-2	gamma-Chlordane	2.572		0.0500	0.00700
76-44-8	Heptachlor	2.805		0.0500	0.00600
1024-57-3	Heptachlor epoxide	2.579		0.0500	0.00700
72-43-5	Methoxychlor	2.963		0.0500	0.00900

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		36-144
877-09-8	Tetrachloro-m-xylene	81		32-143

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCSD 600-123496/3-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>AL02_015.D</u>
Analysis Method: <u>8081A</u>	Date Collected: _____
Extraction Method: <u>3510C</u>	Date Extracted: <u>12/23/2013 10:18</u>
Sample wt/vol: <u>125(mL)</u>	Date Analyzed: <u>01/02/2014 15:58</u>
Con. Extract Vol.: <u>5.0(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>RTX-CLP1</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124170</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	2.651		0.100	0.00700
72-55-9	4,4'-DDE	2.583		0.100	0.00700
50-29-3	4,4'-DDT	2.718		0.100	0.00800
309-00-2	Aldrin	2.693		0.0500	0.00600
319-84-6	alpha-BHC	2.688		0.0500	0.00700
5103-71-9	alpha-Chlordane	2.507		0.0500	0.0500
319-85-7	beta-BHC	2.600		0.0500	0.00800
319-86-8	delta-BHC	2.665		0.0500	0.00500
60-57-1	Dieldrin	2.536		0.100	0.00700
959-98-8	Endosulfan I	2.078		0.0500	0.00700
33213-65-9	Endosulfan II	2.750		0.100	0.100
1031-07-8	Endosulfan sulfate	2.619		0.100	0.0250
72-20-8	Endrin	2.297		0.100	0.00700
7421-93-4	Endrin aldehyde	3.006		0.100	0.00700
53494-70-5	Endrin ketone	2.688		0.100	0.00700
58-89-9	gamma-BHC (Lindane)	2.779		0.0500	0.00600
5103-74-2	gamma-Chlordane	2.585		0.0500	0.00700
76-44-8	Heptachlor	2.825		0.0500	0.00600
1024-57-3	Heptachlor epoxide	2.584		0.0500	0.00700
72-43-5	Methoxychlor	2.730		0.0500	0.00900

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	78		36-144
877-09-8	Tetrachloro-m-xylene	81		32-143

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Instrument ID: ECD09Start Date: 11/21/2013 08:30Analysis Batch Number: 121265End Date: 11/22/2013 01:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/21/2013 08:30	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 08:30	1		RTX-CLP2 0.32 (mm)
CCVIS 600-121265/13		11/21/2013 08:55	1		RTX-CLP1 0.32 (mm)
CCVIS 600-121265/13		11/21/2013 08:55	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 09:45	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 09:45	1		RTX-CLP2 0.32 (mm)
IC 600-121265/16		11/21/2013 11:35	1		RTX-CLP1 0.32 (mm)
IC 600-121265/16		11/21/2013 11:35	1		RTX-CLP2 0.32 (mm)
IC 600-121265/17		11/21/2013 12:03	1		RTX-CLP1 0.32 (mm)
IC 600-121265/17		11/21/2013 12:03	1		RTX-CLP2 0.32 (mm)
IC 600-121265/18		11/21/2013 12:31	1		RTX-CLP1 0.32 (mm)
IC 600-121265/18		11/21/2013 12:31	1		RTX-CLP2 0.32 (mm)
ICIS 600-121265/19		11/21/2013 12:58	1		RTX-CLP1 0.32 (mm)
ICIS 600-121265/19		11/21/2013 12:58	1		RTX-CLP2 0.32 (mm)
IC 600-121265/20		11/21/2013 13:26	1		RTX-CLP1 0.32 (mm)
IC 600-121265/20		11/21/2013 13:26	1		RTX-CLP2 0.32 (mm)
IC 600-121265/21		11/21/2013 13:54	1		RTX-CLP1 0.32 (mm)
IC 600-121265/21		11/21/2013 13:54	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 14:48	5		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 14:48	5		RTX-CLP2 0.32 (mm)
ICV 600-121265/22		11/21/2013 15:14	1		RTX-CLP1 0.32 (mm)
ICV 600-121265/22		11/21/2013 15:14	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 15:41	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 15:41	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 16:09	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 16:09	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 16:37	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 16:37	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 17:04	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 17:04	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 17:32	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 17:32	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 17:59	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 17:59	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 18:27	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 18:27	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 18:55	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 18:55	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 19:22	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 19:22	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 19:50	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 19:50	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 20:18	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/21/2013 20:18	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/21/2013 20:45	1		RTX-CLP1 0.32 (mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Instrument ID: ECD09Start Date: 11/21/2013 08:30Analysis Batch Number: 121265End Date: 11/22/2013 01:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/21/2013 20:45	1		RTX-CLP2 0.32 (mm)
IC 600-121265/1		11/21/2013 21:12	1	AL21_030.D	RTX-CLP1 0.32 (mm)
IC 600-121265/1		11/21/2013 21:12	1	BL21_030.D	RTX-CLP2 0.32 (mm)
IC 600-121265/2		11/21/2013 21:37	1	AL21_031.D	RTX-CLP1 0.32 (mm)
IC 600-121265/2		11/21/2013 21:37	1	BL21_031.D	RTX-CLP2 0.32 (mm)
IC 600-121265/3		11/21/2013 22:01	1	AL21_032.D	RTX-CLP1 0.32 (mm)
IC 600-121265/3		11/21/2013 22:01	1	BL21_032.D	RTX-CLP2 0.32 (mm)
IC 600-121265/4		11/21/2013 22:26	1	AL21_033.D	RTX-CLP1 0.32 (mm)
IC 600-121265/4		11/21/2013 22:26	1	BL21_033.D	RTX-CLP2 0.32 (mm)
IC 600-121265/5		11/21/2013 22:50	1	AL21_034.D	RTX-CLP1 0.32 (mm)
IC 600-121265/5		11/21/2013 22:50	1	BL21_034.D	RTX-CLP2 0.32 (mm)
IC 600-121265/6		11/21/2013 23:15	1	AL21_035.D	RTX-CLP1 0.32 (mm)
IC 600-121265/6		11/21/2013 23:15	1	BL21_035.D	RTX-CLP2 0.32 (mm)
ICV 600-121265/7		11/21/2013 23:39	1		RTX-CLP1 0.32 (mm)
ICV 600-121265/7		11/21/2013 23:39	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/22/2013 00:04	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/22/2013 00:04	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/22/2013 00:29	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/22/2013 00:29	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/22/2013 00:53	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/22/2013 00:53	1		RTX-CLP2 0.32 (mm)
ZZZZZ		11/22/2013 01:18	1		RTX-CLP1 0.32 (mm)
ZZZZZ		11/22/2013 01:18	1		RTX-CLP2 0.32 (mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: ECD09 Start Date: 01/02/2014 08:54

Analysis Batch Number: 124170 End Date: 01/02/2014 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/02/2014 08:54	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 08:54	1		RTX-CLP2 0.32 (mm)
CCV 600-124170/21		01/02/2014 09:49	1	AL02_004.D	RTX-CLP1 0.32 (mm)
CCV 600-124170/21		01/02/2014 09:49	1	BL02_004.D	RTX-CLP2 0.32 (mm)
IC 600-124170/2		01/02/2014 11:50	1	AL02_006.D	RTX-CLP1 0.32 (mm)
IC 600-124170/2		01/02/2014 11:50	1	BL02_006.D	RTX-CLP2 0.32 (mm)
IC 600-124170/3		01/02/2014 12:18	1	AL02_007.D	RTX-CLP1 0.32 (mm)
IC 600-124170/3		01/02/2014 12:18	1	BL02_007.D	RTX-CLP2 0.32 (mm)
IC 600-124170/4		01/02/2014 12:45	1	AL02_008.D	RTX-CLP1 0.32 (mm)
IC 600-124170/4		01/02/2014 12:45	1	BL02_008.D	RTX-CLP2 0.32 (mm)
ICIS 600-124170/5		01/02/2014 13:13	1	AL02_009.D	RTX-CLP1 0.32 (mm)
ICIS 600-124170/5		01/02/2014 13:13	1	BL02_009.D	RTX-CLP2 0.32 (mm)
IC 600-124170/6		01/02/2014 13:40	1	AL02_010.D	RTX-CLP1 0.32 (mm)
IC 600-124170/6		01/02/2014 13:40	1	BL02_010.D	RTX-CLP2 0.32 (mm)
IC 600-124170/8		01/02/2014 14:08	1	BL02_011.D	RTX-CLP2 0.32 (mm)
ICV 600-124170/7		01/02/2014 14:35	1	AL02_012.D	RTX-CLP1 0.32 (mm)
ICV 600-124170/7		01/02/2014 14:35	1	BL02_012.D	RTX-CLP2 0.32 (mm)
MB 600-123496/1-A		01/02/2014 15:03	1	AL02_013.D	RTX-CLP1 0.32 (mm)
MB 600-123496/1-A		01/02/2014 15:03	1	BL02_013.D	RTX-CLP2 0.32 (mm)
LCS 600-123496/2-A		01/02/2014 15:30	1	AL02_014.D	RTX-CLP1 0.32 (mm)
LCS 600-123496/2-A		01/02/2014 15:30	1	BL02_014.D	RTX-CLP2 0.32 (mm)
LCSD 600-123496/3-A		01/02/2014 15:58	1	AL02_015.D	RTX-CLP1 0.32 (mm)
LCSD 600-123496/3-A		01/02/2014 15:58	1	BL02_015.D	RTX-CLP2 0.32 (mm)
600-84456-4	BlancoSouth-IDW-12182 013	01/02/2014 16:53	1	AL02_017.D	RTX-CLP1 0.32 (mm)
600-84456-4	BlancoSouth-IDW-12182 013	01/02/2014 16:53	1	BL02_017.D	RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 17:21	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 17:21	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 17:48	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 17:48	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 18:16	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 18:16	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 18:43	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 18:43	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 19:11	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 19:11	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 19:38	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 19:38	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 20:06	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 20:06	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 20:33	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 20:33	1		RTX-CLP2 0.32 (mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Instrument ID: ECD09Start Date: 12/12/2013 12:57Analysis Batch Number: 125256End Date: 12/12/2013 20:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/12/2013 12:57	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 12:57	1		RTX-CLP2 0.32 (mm)
IC 600-125256/11		12/12/2013 13:24	1	AL12_003.D	RTX-CLP1 0.32 (mm)
IC 600-125256/11		12/12/2013 13:24	1	BL12_003.D	RTX-CLP2 0.32 (mm)
IC 600-125256/12		12/12/2013 13:52	1	AL12_004.D	RTX-CLP1 0.32 (mm)
IC 600-125256/12		12/12/2013 13:52	1	BL12_004.D	RTX-CLP2 0.32 (mm)
IC 600-125256/13		12/12/2013 14:20	1	AL12_005.D	RTX-CLP1 0.32 (mm)
IC 600-125256/13		12/12/2013 14:20	1	BL12_005.D	RTX-CLP2 0.32 (mm)
IC 600-125256/14		12/12/2013 14:47	1	AL12_006.D	RTX-CLP1 0.32 (mm)
IC 600-125256/14		12/12/2013 14:47	1	BL12_006.D	RTX-CLP2 0.32 (mm)
IC 600-125256/15		12/12/2013 15:15	1	AL12_007.D	RTX-CLP1 0.32 (mm)
IC 600-125256/15		12/12/2013 15:15	1	BL12_007.D	RTX-CLP2 0.32 (mm)
IC 600-125256/16		12/12/2013 15:42	1	AL12_008.D	RTX-CLP1 0.32 (mm)
IC 600-125256/16		12/12/2013 15:42	1	BL12_008.D	RTX-CLP2 0.32 (mm)
ICV 600-125256/17		12/12/2013 16:10	1	AL12_009.D	RTX-CLP1 0.32 (mm)
ICV 600-125256/17		12/12/2013 16:10	1	BL12_009.D	RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 16:37	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 16:37	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 17:05	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 17:05	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 17:33	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 17:33	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 18:00	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 18:00	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 18:28	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 18:28	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 18:55	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 18:55	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 19:23	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 19:23	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 19:51	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 19:51	1		RTX-CLP2 0.32 (mm)
ZZZZZ		12/12/2013 20:18	1		RTX-CLP1 0.32 (mm)
ZZZZZ		12/12/2013 20:18	1		RTX-CLP2 0.32 (mm)

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123496 Batch Start Date: 12/23/13 10:18 Batch Analyst: Kuvent, Robin LBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	PESTMS 00028	PSURR 00023	
MB 600-123496/1		3510C, 8081A		7 SU	125 mL	5.0 mL		0.5 mL	
LCS 600-123496/2		3510C, 8081A		7 SU	125 mL	5.0 mL	0.5 mL	0.5 mL	
LCSD 600-123496/3		3510C, 8081A		7 SU	125 mL	5.0 mL	0.5 mL	0.5 mL	
600-84456-I-4	BlancoSouth-IDW- 12182013	3510C, 8081A	T	7 SU	125 mL	5.0 mL		0.5 mL	

Batch Notes	

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.

8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): RTX-CLP1 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	DCPA1 #
BlancoSouth-IDW-12 182013	600-84456-4	89
	MB 600-123572/1-A	98
	LCS 600-123572/2-A	95

DCPA = 2,4-Dichlorophenylacetic acid

QC LIMITS
10-125.2

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: AL02_013.D
 Lab ID: LCS 600-123572/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-D	0.800	0.5187	65	25-151	
Dalapon	1.60	1.00 U	50	10-137	
2,4-DB	0.800	0.6281	79	24-164	
Dicamba	0.800	0.3914	49	31-124	
Dichlorprop	0.800	0.6480	81	42-127	
Dinoseb	0.800	0.8417	105	11-130	
Mecoprop	80.0	46.79	58	10-176	
MCPA	80.0	42.64	53	26-164	
2,4,5-T	0.800	0.6576	82	36-140	
Silvex (2,4,5-TP)	0.800	0.6167	77	47-136	

Column to be used to flag recovery and RPD values

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: MB 600-123572/1-A
Matrix: Water Date Extracted: 12/24/2013 06:28
Lab File ID: (1) AL02_012.D Lab File ID: (2) BL02_012.D
Date Analyzed: (1) 01/02/2014 14:33 Date Analyzed: (2) 01/02/2014 14:33
Instrument ID: (1) ECD08 Instrument ID: (2) ECD08
GC Column: (1) RTX-CLP1 ID: 0.32 (mm) GC Column: (2) RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 600-123572/2-A	01/02/2014 14:58	01/02/2014 14:58
BlancoSouth-IDW-12182013	600-84456-4	01/02/2014 15:23	01/02/2014 15:23

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Sample No.: ICRT 600-124208/4 Date Analyzed: 01/02/2014 11:06
Instrument ID: ECD08 GC Column: RTX-CLP1 ID: 0.32 (mm)
Lab File ID (Standard): AL02_006.D Heated Purge: (Y/N) N
Calibration ID: 2699

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DCPA		
				RT #		
INITIAL CALIBRATION SURROGATE				8.65		
UPPER LIMIT				8.70		
LOWER LIMIT				8.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 600-124208/4		01/02/2014 11:06	AL02_006.D	8.65		
CCVRT 600-124208/9		01/02/2014 12:46	AL02_010.D	8.65		
ICV 600-124208/8		01/02/2014 14:08	AL02_011.D	0.00		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = $\pm$ 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Sample No.: ICRT 600-124208/4 Date Analyzed: 01/02/2014 11:06
Instrument ID: ECD08 GC Column: RTX-CLP2 ID: 0.32 (mm)
Lab File ID (Standard): BL02_006.D Heated Purge: (Y/N) N
Calibration ID: 2700

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA		
				RT #		
INITIAL CALIBRATION SURROGATE				8.26		
UPPER LIMIT				8.31		
LOWER LIMIT				8.21		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 600-124208/4		01/02/2014 11:06	BL02_006.D	8.26		
CCVRT 600-124208/9		01/02/2014 12:46	BL02_010.D	8.26		
ICV 600-124208/8		01/02/2014 14:08	BL02_011.D	8.23		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = $\pm$ 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Sample No.: CCVRT 600-124208/9 Date Analyzed: 01/02/2014 12:46
 Instrument ID: ECD08 GC Column: RTX-CLP1 ID: 0.32 (mm)
 Lab File ID (Standard): AL02_010.D Heated Purge: (Y/N) N
 Calibration ID: 2699

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DCPA		
				RT #		
CONTINUING CALIBRATION SURROGATE				8.65		
UPPER LIMIT				8.71		
LOWER LIMIT				8.61		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 600-124208/9		01/02/2014 12:46	AL02_010.D	8.65		
MB 600-123572/1-A		01/02/2014 14:33	AL02_012.D	8.74 *		
LCS 600-123572/2-A		01/02/2014 14:58	AL02_013.D	8.65		
600-84456-4	BlancoSouth-IDW-12182 013	01/02/2014 15:23	AL02_014.D	8.67		
CCV 600-124208/13		01/02/2014 17:59	AL02_018.D	8.65		
CCV 600-124208/19		01/02/2014 21:19	AL02_026.D	8.66		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = $\pm$ 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Sample No.: CCVRT 600-124208/9 Date Analyzed: 01/02/2014 12:46
Instrument ID: ECD08 GC Column: RTX-CLP2 ID: 0.32 (mm)
Lab File ID (Standard): BL02_010.D Heated Purge: (Y/N) N
Calibration ID: 2700

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DCPA		
				RT #		
CONTINUING CALIBRATION SURROGATE				8.26		
UPPER LIMIT				8.32		
LOWER LIMIT				8.22		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 600-124208/9		01/02/2014 12:46	BL02_010.D	8.26		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = $\pm$ 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-123572/2-A

Instrument ID (1): ECD08 Instrument ID (2): ECD08

Date Analyzed (1): 01/02/2014 14:58 Date Analyzed (2): 01/02/2014 14:58

GC Column (1): RTX-CLP1 ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Dicamba	1		8.85	8.74	8.98	0.3914		3.4
	2		8.44	8.32	8.56	0.4051		
Mecoprop	1		9.25	9.16	9.36	46.79		49.8
	2		8.74	8.64	8.84	28.13		
MCPA	1		9.56	9.46	9.66	42.64		38.6
	2		9.19	9.05	9.25	63.02		
Dichlorprop	1		10.09	9.99	10.21	0.6480		1.0
	2		9.62	9.53	9.73	0.6418		
2,4-D	1		10.57	10.46	10.66	0.5187		18.5
	2		10.36	10.27	10.47	0.4308		
2,4,5-T	1		11.63	12.05	12.25	0.6576		31.9
	2		11.79	11.75	11.95	0.4765		
Silvex (2,4,5-TP)	1		11.63	11.53	11.77	0.6167		11.8
	2		11.19	11.12	11.36	0.5482		
2,4-DB	1		12.83	12.73	12.97	0.6281		4.7
	2		12.42	12.28	12.52	0.6585		
Dinoseb	1		13.96	13.88	14.12	0.8417		10.2
	2		12.69	12.62	12.86	0.9319		

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-84456-1</u>
SDG No.: _____	
Client Sample ID: <u>BlancoSouth-IDW-12182013</u>	Lab Sample ID: <u>600-84456-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>AL02_014.D</u>
Analysis Method: <u>8151A</u>	Date Collected: <u>12/18/2013 08:00</u>
Extraction Method: <u>8151A</u>	Date Extracted: <u>12/24/2013 06:28</u>
Sample wt/vol: <u>1040 (mL)</u>	Date Analyzed: <u>01/02/2014 15:23</u>
Con. Extract Vol.: <u>5.00 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>RTX-CLP1</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124208</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.0385	U	0.192	0.0385
75-99-0	Dalapon	0.962	U	9.62	0.962
94-82-6	2,4-DB	0.0481	U	0.192	0.0481
1918-00-9	Dicamba	0.00962	U	0.192	0.00962
120-36-5	Dichlorprop	0.0288	U	0.192	0.0288
88-85-7	Dinoseb	0.0192	U	0.192	0.0192
93-65-2	Mecoprop	2.54	U	19.2	2.54
94-74-6	MCPA	5.56	U	19.2	5.56
93-76-5	2,4,5-T	0.0192	U	0.192	0.0192
93-72-1	Silvex (2,4,5-TP)	0.0192	U	0.192	0.0192

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	89		10-125.2

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 124208

SDG No.: _____

Instrument ID: ECD08 GC Column: RTX-CLP1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 09:52 Calibration End Date: 01/02/2014 11:56 Calibration ID: 2699

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124208/1	AL02_003.D
Level 2	IC 600-124208/2	AL02_004.D
Level 3	IC 600-124208/3	AL02_005.D
Level 4	ICRT 600-124208/4	AL02_006.D
Level 5	IC 600-124208/5	AL02_007.D
Level 6	IC 600-124208/6	AL02_008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	1.228	1.229	1.229	1.228	1.228	1.228					1.105 - 1.305	1.228
Dicamba	8.708	8.869	8.865	8.856	8.853	8.848					8.737 - 8.977	8.833
Mecoprop	9.297	9.274	9.269	9.256	9.255	9.247					9.158 - 9.358	9.266
MCPA	9.615	9.582	9.575	9.556	9.547	9.542					9.457 - 9.657	9.569
Dichlorprop	10.136	10.108	10.104	10.091	10.087	10.078					9.992 - 10.212	10.101
2,4-D	10.614	10.587	10.585	10.562	10.563	10.556					10.462 - 10.662	10.578
Silvex (2,4,5-TP)	11.663	11.656	11.649	11.643	11.649	11.640					11.528 - 11.768	11.650
2,4,5-T	12.168	12.150	11.649	12.144	12.142	12.129					12.051 - 12.251	12.064
2,4-DB	12.850	12.847	12.849	12.831	12.835	12.832					12.731 - 12.971	12.841
Dinoseb	13.979	13.973	13.973	13.970	13.972	13.972					13.878 - 14.118	13.973
2,4-Dichlorophenylacetic acid	8.708	8.678	8.667	8.650	8.645	8.635					8.585 - 8.685	8.664

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 124208

SDG No.: _____

Instrument ID: ECD08 GC Column: RTX-CLP1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 09:52 Calibration End Date: 01/02/2014 11:56 Calibration ID: 2699

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124208/1	AL02_003.D
Level 2	IC 600-124208/2	AL02_004.D
Level 3	IC 600-124208/3	AL02_005.D
Level 4	ICRT 600-124208/4	AL02_006.D
Level 5	IC 600-124208/5	AL02_007.D
Level 6	IC 600-124208/6	AL02_008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	59526750 56907356	65537825 55465605	57171370	60148858	Ave		59126294.1				6.1		20.0			
Dicamba	171105200 177681656	202651925 170460145	194676960	214826425	Ave		188567052				9.7		20.0			
Mecoprop	31886 89314	66523 94393	73715	94144	Lin1	2.96842040	112249.829							0.9919		0.9900
MCPA	60938 97006	104806 99004	89347	101842	Ave		92157.0062				17.5		20.0			
Dichlorprop	31905175 32947294	32972938 32825615	32652210	37739050	Ave		33507046.9				6.3		20.0			
2,4-D	49109225 50901288	50319962 49841115	50244250	60563625	Ave		51829910.8				8.3		20.0			
Silvex (2,4,5-TP)	210803275 233526494	227872700 250691655	249931910	300163900	Ave		245498322				12.5		20.0			
2,4,5-T	196203900 225852438	196092812 237138625	249931910	276261392	Ave		230246846				13.6		20.0			
2,4-DB	15033475 23648350	17125075 22767130	24428680	25281225	Ave		21380655.8				19.8		20.0			
Dinoseb	88178225 95521094	82208600 105071925	87291780	105278633	Ave		93925042.8				10.3		20.0			
2,4-Dichlorophenylacetic acid	22814027 23463533	23449752 23321538	23143183	27246564	Ave		23906432.7				6.9		20.0			

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

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 124208

SDG No.: _____

Instrument ID: ECD08 GC Column: RTX-CLP1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 09:52 Calibration End Date: 01/02/2014 11:56 Calibration ID: 2699

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124208/1	AL02_003.D
Level 2	IC 600-124208/2	AL02_004.D
Level 3	IC 600-124208/3	AL02_005.D
Level 4	ICRT 600-124208/4	AL02_006.D
Level 5	IC 600-124208/5	AL02_007.D
Level 6	IC 600-124208/6	AL02_008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	2381070 11093121	5243026	5717137	7217863	9105177	0.0400 0.200	0.0800	0.100	0.120	0.160
Dicamba	Ave	6844208 34092029	16212154	19467696	25779171	28429065	0.0400 0.200	0.0800	0.100	0.120	0.160
Mecoprop	Lin1	127545 1887862	532183	737148	1129723	1429017	4.00 20.0	8.00	10.0	12.0	16.0
MCPA	Ave	243750 1980079	838445	893474	1222098	1552097	4.00 20.0	8.00	10.0	12.0	16.0
Dichlorprop	Ave	1276207 6565123	2637835	3265221	4528686	5271567	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4-D	Ave	1964369 9968223	4025597	5024425	7267635	8144206	0.0400 0.200	0.0800	0.100	0.120	0.160
Silvex (2,4,5-TP)	Ave	8432131 50138331	18229816	24993191	36019668	37364239	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4,5-T	Ave	7848156 47427725	15687425	24993191	33151367	36136390	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4-DB	Ave	601339 4553426	1370006	2442868	3033747	3783736	0.0400 0.200	0.0800	0.100	0.120	0.160
Dinoseb	Ave	3527129 21014385	6576688	8729178	12633436	15283375	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4-Dichlorophenylacetic acid	Ave	6844208 34982307	14069851	17357387	24521908	28156239	0.300 1.50	0.600	0.750	0.900	1.20

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 124208

SDG No.: _____

Instrument ID: ECD08 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 09:52 Calibration End Date: 01/02/2014 11:56 Calibration ID: 2700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124208/1	BL02_003.D
Level 2	IC 600-124208/2	BL02_004.D
Level 3	IC 600-124208/3	BL02_005.D
Level 4	ICRT 600-124208/4	BL02_006.D
Level 5	IC 600-124208/5	BL02_007.D
Level 6	IC 600-124208/6	BL02_008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Dalapon	0.914	0.915	0.914	0.916	0.916	0.915					0.826 - 1.026	0.915
Dicamba	8.475	8.457	8.453	8.258	8.442	8.437					8.318 - 8.558	8.420
Mecoprop	8.769	8.754	8.749	8.738	8.737	8.732					8.639 - 8.839	8.747
MCPA	9.209	9.176	9.164	9.148	9.146	9.140					9.046 - 9.246	9.164
Dichlorprop	9.668	9.644	9.632	9.623	9.622	9.615					9.528 - 9.728	9.634
2,4-D	10.398	10.387	10.380	10.366	10.367	10.356					10.270 - 10.470	10.376
Silvex (2,4,5-TP)	11.222	11.210	11.206	11.202	11.201	11.196					11.122 - 11.362	11.206
2,4,5-T	11.835	11.819	11.819	11.816	11.819	11.809					11.751 - 11.951	11.820
2,4-DB	12.468	12.459	12.465	12.461	12.457	12.453					12.282 - 12.522	12.460
Dinoseb	12.708	12.698	12.701	12.698	12.700	12.698					12.623 - 12.863	12.701
2,4-Dichlorophenylacetic acid	8.322	8.278	8.270	8.258	8.252	8.245					8.211 - 8.311	8.271

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 124208

SDG No.: _____

Instrument ID: ECD08 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 09:52 Calibration End Date: 01/02/2014 11:56 Calibration ID: 2700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124208/1	BL02_003.D
Level 2	IC 600-124208/2	BL02_004.D
Level 3	IC 600-124208/3	BL02_005.D
Level 4	ICRT 600-124208/4	BL02_006.D
Level 5	IC 600-124208/5	BL02_007.D
Level 6	IC 600-124208/6	BL02_008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Dalapon	48716750 39524825	43707613 38422885	41203020	43547542	Ave		42520439.0				8.7		20.0			
Dicamba	149451875 122467469	133605675 116146810	130092070	151639067	Ave		133900494				10.7		20.0			
Mecoprop	50270 87047	77676 82810	87890	86861	Ave		78758.8542				18.4		20.0			
MCPA	38896 71602	68805 72963	69480	76319	Lin	0.83028860	76673.9352							0.9905		
Dichlorprop	23035300 23048206	22991575 23110035	22889930	27436283	Ave		23751888.3				7.6		20.0			
2,4-D	68744075 66862163	67964650 65830745	69157700	79777517	Ave		69722808.2				7.3		20.0			
Silvex (2,4,5-TP)	159769925 155196956	157527413 152649615	157730830	161497667	Ave		157395401				2.0		20.0			
2,4,5-T	131858225 144143688	136907938 140957230	140428390	162512892	Ave		142801394				7.4		20.0			
2,4-DB	10027725 14048019	11975150 13281855	12066810	14973317	Ave		12728812.6				13.8		20.0			
Dinoseb	49187275 57050381	51473288 59895940	49922590	60176983	Ave		54617742.8				9.2		20.0			
2,4-Dichlorophenylacetic acid	15558603 17241128	15949583 17585401	16346624	20218542	Ave		17149980.3				9.8		20.0			

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

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-84456-1 Analy Batch No.: 124208

SDG No.: _____

Instrument ID: ECD08 GC Column: RTX-CLP2 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/02/2014 09:52 Calibration End Date: 01/02/2014 11:56 Calibration ID: 2700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-124208/1	BL02_003.D
Level 2	IC 600-124208/2	BL02_004.D
Level 3	IC 600-124208/3	BL02_005.D
Level 4	ICRT 600-124208/4	BL02_006.D
Level 5	IC 600-124208/5	BL02_007.D
Level 6	IC 600-124208/6	BL02_008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	1948670 7684577	3496609	4120302	5225705	6323972	0.0400 0.200	0.0800	0.100	0.120	0.160
Dicamba	Ave	5978075 23229362	10688454	13009207	18196688	19594795	0.0400 0.200	0.0800	0.100	0.120	0.160
Mecoprop	Ave	201080 1656199	621409	878898	1042326	1392748	4.00 20.0	8.00	10.0	12.0	16.0
MCPA	Lin	155582 1459269	550438	694804	915822	1145630	4.00 20.0	8.00	10.0	12.0	16.0
Dichlorprop	Ave	921412 4622007	1839326	2288993	3292354	3687713	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4-D	Ave	2749763 13166149	5437172	6915770	9573302	10697946	0.0400 0.200	0.0800	0.100	0.120	0.160
Silvex (2,4,5-TP)	Ave	6390797 30529923	12602193	15773083	19379720	24831513	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4,5-T	Ave	5274329 28191446	10952635	14042839	19501547	23062990	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4-DB	Ave	401109 2656371	958012	1206681	1796798	2247683	0.0400 0.200	0.0800	0.100	0.120	0.160
Dinoseb	Ave	1967491 11979188	4117863	4992259	7221238	9128061	0.0400 0.200	0.0800	0.100	0.120	0.160
2,4-Dichlorophenylacetic acid	Ave	4667581 26378101	9569750	12259968	18196688	20689354	0.300 1.50	0.600	0.750	0.900	1.20

Curve Type Legend:

Ave = Average
Lin = Linear

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: CCVRT 600-124208/9 Calibration Date: 01/02/2014 12:46
 Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
 GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
 Lab File ID: AL02_010.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	59126294	61363967		0.125	0.120	3.8	15.0
Dicamba	Ave	188567052	195902233		0.125	0.120	3.9	15.0
Mecoprop	Lin1	74996	67835		10.2	12.0	-14.8	15.0
MCPA	Ave	92157	98725		12.9	12.0	7.1	15.0
Dichlorprop	Ave	33507047	36686183		0.131	0.120	9.5	15.0
2,4-D	Ave	51829911	58362842		0.135	0.120	12.6	15.0
Silvex (2,4,5-TP)	Ave	245498322	281834033		0.138	0.120	14.8	15.0
2,4,5-T	Ave	230246846	249565067		0.130	0.120	8.4	15.0
2,4-DB	Ave	21380656	24040600		0.135	0.120	12.4	15.0
Dinoseb	Ave	93925043	105608233		0.135	0.120	12.4	15.0
2,4-Dichlorophenylacetic acid	Ave	23906433	26519677		0.998	0.900	10.9	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCVRT 600-124208/9 Calibration Date: 01/02/2014 12:46
Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
Lab File ID: AL02_010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.11	1.31
Dicamba	8.86	8.74	8.98
Mecoprop	9.26	9.16	9.36
MCPA	9.56	9.46	9.66
Dichlorprop	10.09	9.99	10.21
2,4-D	10.57	10.46	10.66
Silvex (2,4,5-TP)	11.65	11.53	11.77
2,4,5-T	12.14	12.05	12.25
2,4-DB	12.85	12.73	12.97
Dinoseb	13.98	13.88	14.12
2,4-Dichlorophenylacetic acid	8.65	8.59	8.69

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: CCVRT 600-124208/9 Calibration Date: 01/02/2014 12:46
 Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
 GC Column: RTX-CLP2 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
 Lab File ID: BL02_010.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	42520439	43626633		0.123	0.120	2.6	15.0
Dicamba	Ave	133900494	149769142		0.134	0.120	11.9	15.0
MCPA	Lin	66344	81899		13.7	12.0	13.7	15.0
Mecoprop	Ave	78759	81899		12.5	12.0	4.0	15.0
Dichlorprop	Ave	23751888	27236258		0.138	0.120	14.7	15.0
2,4-D	Ave	69722808	79777292		0.137	0.120	14.4	15.0
Silvex (2,4,5-TP)	Ave	157395401	173225117		0.132	0.120	10.1	15.0
2,4,5-T	Ave	142801394	163357283		0.137	0.120	14.4	15.0
2,4-DB	Ave	12728813	14081333		0.133	0.120	10.6	15.0
Dinoseb	Ave	54617743	60665500		0.133	0.120	11.1	15.0
2,4-Dichlorophenylacetic acid	Ave	17149980	20054122		1.05	0.900	16.9	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCVRT 600-124208/9 Calibration Date: 01/02/2014 12:46
Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
GC Column: RTX-CLP2 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
Lab File ID: BL02_010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.91	0.83	1.03
Dicamba	8.45	8.32	8.56
MCPA	9.15	9.05	9.25
Mecoprop	9.15	8.64	8.84
Dichlorprop	9.63	9.53	9.73
2,4-D	10.37	10.27	10.47
Silvex (2,4,5-TP)	11.20	11.12	11.36
2,4,5-T	11.82	11.75	11.95
2,4-DB	12.46	12.28	12.52
Dinoseb	12.70	12.62	12.86
2,4-Dichlorophenylacetic acid	8.26	8.21	8.31

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: ICV 600-124208/8 Calibration Date: 01/02/2014 14:08
 Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
 GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
 Lab File ID: AL02_011.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	59126294	71844342		0.146	0.120	21.5	30.0
Dicamba	Ave	188567052	163133958		0.104	0.120	-13.5	30.0
Mecoprop	Lin1	74996	77279		11.2	12.0	-6.4	30.0
MCPA	Ave	92157	104462		13.6	12.0	13.4	30.0
Dichlorprop	Ave	33507047	37556458		0.135	0.120	12.1	30.0
2,4-D	Ave	51829911	45485017		0.105	0.120	-12.2	30.0
2,4,5-T	Ave	230246846	256384442		0.134	0.120	11.4	30.0
Silvex (2,4,5-TP)	Ave	245498322	256384442		0.125	0.120	4.4	30.0
2,4-DB	Ave	21380656	23403500		0.131	0.120	9.5	30.0
Dinoseb	Ave	93925043	106921233		0.137	0.120	13.8	30.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: ICV 600-124208/8 Calibration Date: 01/02/2014 14:08
 Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
 GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
 Lab File ID: AL02_011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.11	1.31
Dicamba	8.86	8.74	8.98
Mecoprop	9.27	9.16	9.36
MCPA	9.56	9.46	9.66
Dichlorprop	10.10	9.99	10.21
2,4-D	10.58	10.46	10.66
2,4,5-T	11.65	12.05	12.25
Silvex (2,4,5-TP)	11.65	11.53	11.77
2,4-DB	12.84	12.73	12.97
Dinoseb	13.98	13.88	14.12
2,4-Dichlorophenylacetic acid	0.00	8.59	8.69

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: ICV 600-124208/8 Calibration Date: 01/02/2014 14:08
 Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
 GC Column: RTX-CLP2 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
 Lab File ID: BL02_011.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	42520439	45228775		0.128	0.120	6.4	30.0
Dicamba	Ave	133900494	110914142		0.0994	0.120	-17.2	30.0
Mecoprop	Ave	78759	87866		13.4	12.0	11.6	30.0
MCPA	Lin	66344	81160		13.5	12.0	12.8	30.0
Dichlorprop	Ave	23751888	24743550		0.125	0.120	4.2	30.0
2,4-D	Ave	69722808	69650592		0.120	0.120	-0.1	30.0
Silvex (2,4,5-TP)	Ave	157395401	146333425		0.112	0.120	-7.0	30.0
2,4,5-T	Ave	142801394	159462983		0.134	0.120	11.7	30.0
2,4-DB	Ave	12728813	14690892		0.139	0.120	15.4	30.0
Dinoseb	Ave	54617743	60744450		0.134	0.120	11.2	30.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: ICV 600-124208/8 Calibration Date: 01/02/2014 14:08
Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
GC Column: RTX-CLP2 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
Lab File ID: BL02_011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	0.91	0.83	1.03
Dicamba	8.44	8.32	8.56
Mecoprop	8.74	8.64	8.84
MCPA	9.15	9.05	9.25
Dichlorprop	9.63	9.53	9.73
2,4-D	10.37	10.27	10.47
Silvex (2,4,5-TP)	11.20	11.12	11.36
2,4,5-T	11.81	11.75	11.95
2,4-DB	12.45	12.28	12.52
Dinoseb	12.70	12.62	12.86
2,4-Dichlorophenylacetic acid	8.23	8.21	8.31

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: CCV 600-124208/13 Calibration Date: 01/02/2014 17:59
 Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
 GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
 Lab File ID: AL02_018.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	59126294	58576583		0.119	0.120	-0.9	15.0
Dicamba	Ave	188567052	215382150		0.137	0.120	14.2	15.0
Mecoprop	Lin1	74996	77965		11.3	12.0	-5.8	15.0
MCPA	Ave	92157	88762		11.6	12.0	-3.7	15.0
Dichlorprop	Ave	33507047	36058858		0.129	0.120	7.6	15.0
2,4-D	Ave	51829911	48978133		0.113	0.120	-5.5	15.0
Silvex (2,4,5-TP)	Ave	245498322	277515433		0.136	0.120	13.0	15.0
2,4,5-T	Ave	230246846	253829792		0.132	0.120	10.2	15.0
2,4-DB	Ave	21380656	20200208		0.113	0.120	-5.5	15.0
Dinoseb	Ave	93925043	92880358		0.119	0.120	-1.1	15.0
2,4-Dichlorophenylacetic acid	Ave	23906433	26118284		0.983	0.900	9.3	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCV 600-124208/13 Calibration Date: 01/02/2014 17:59
Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
Lab File ID: AL02_018.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.11	1.31
Dicamba	8.85	8.74	8.98
Mecoprop	9.26	9.16	9.36
MCPA	9.55	9.46	9.66
Dichlorprop	10.09	9.99	10.21
2,4-D	10.57	10.46	10.66
Silvex (2,4,5-TP)	11.65	11.53	11.77
2,4,5-T	12.15	12.05	12.25
2,4-DB	12.85	12.73	12.97
Dinoseb	13.97	13.88	14.12
2,4-Dichlorophenylacetic acid	8.65	8.59	8.69

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: CCV 600-124208/19 Calibration Date: 01/02/2014 21:19
 Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
 GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
 Lab File ID: AL02_026.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	59126294	63574225		0.129	0.120	7.5	15.0
Dicamba	Ave	188567052	207867192		0.132	0.120	10.2	15.0
Mecoprop	Lin1	74996	88216		12.4	12.0	3.3	15.0
MCPA	Ave	92157	96759		12.6	12.0	5.0	15.0
Dichlorprop	Ave	33507047	38124158		0.137	0.120	13.8	15.0
2,4-D	Ave	51829911	49669183		0.115	0.120	-4.2	15.0
Silvex (2,4,5-TP)	Ave	245498322	277527550		0.136	0.120	13.0	15.0
2,4,5-T	Ave	230246846	259027908		0.135	0.120	12.5	15.0
2,4-DB	Ave	21380656	20584458		0.116	0.120	-3.7	15.0
Dinoseb	Ave	93925043	105100975		0.134	0.120	11.9	15.0
2,4-Dichlorophenylacetic acid	Ave	23906433	27715626		1.04	0.900	15.9	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Lab Sample ID: CCV 600-124208/19 Calibration Date: 01/02/2014 21:19
Instrument ID: ECD08 Calib Start Date: 01/02/2014 09:52
GC Column: RTX-CLP1 ID: 0.32 (mm) Calib End Date: 01/02/2014 11:56
Lab File ID: AL02_026.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.23	1.11	1.31
Dicamba	8.66	8.74	8.98
Mecoprop	9.26	9.16	9.36
MCPA	9.56	9.46	9.66
Dichlorprop	10.09	9.99	10.21
2,4-D	10.59	10.46	10.66
Silvex (2,4,5-TP)	11.65	11.53	11.77
2,4,5-T	12.16	12.05	12.25
2,4-DB	12.87	12.73	12.97
Dinoseb	13.98	13.88	14.12
2,4-Dichlorophenylacetic acid	8.66	8.59	8.69

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-123572/1-A

Matrix: Water Lab File ID: AL02_012.D

Analysis Method: 8151A Date Collected: _____

Extraction Method: 8151A Date Extracted: 12/24/2013 06:28

Sample wt/vol: 1000 (mL) Date Analyzed: 01/02/2014 14:33

Con. Extract Vol.: 5.00 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: RTX-CLP1 ID: 0.32 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 124208 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.0400	U	0.200	0.0400
75-99-0	Dalapon	1.00	U	10.0	1.00
94-82-6	2,4-DB	0.0500	U	0.200	0.0500
1918-00-9	Dicamba	0.0100	U	0.200	0.0100
120-36-5	Dichlorprop	0.0300	U	0.200	0.0300
88-85-7	Dinoseb	0.0200	U	0.200	0.0200
93-65-2	Mecoprop	2.64	U	20.0	2.64
94-74-6	MCPA	5.78	U	20.0	5.78
93-76-5	2,4,5-T	0.0200	U	0.200	0.0200
93-72-1	Silvex (2,4,5-TP)	0.0200	U	0.200	0.0200

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	98		10-125.2

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-123572/2-A

Matrix: Water Lab File ID: AL02_013.D

Analysis Method: 8151A Date Collected: _____

Extraction Method: 8151A Date Extracted: 12/24/2013 06:28

Sample wt/vol: 1000 (mL) Date Analyzed: 01/02/2014 14:58

Con. Extract Vol.: 5.00 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: RTX-CLP1 ID: 0.32 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 124208 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.5187		0.200	0.0400
75-99-0	Dalapon	1.00	U	10.0	1.00
94-82-6	2,4-DB	0.6281		0.200	0.0500
1918-00-9	Dicamba	0.3914		0.200	0.0100
120-36-5	Dichlorprop	0.6480		0.200	0.0300
88-85-7	Dinoseb	0.8417		0.200	0.0200
93-65-2	Mecoprop	46.79		20.0	2.64
94-74-6	MCPA	42.64		20.0	5.78
93-76-5	2,4,5-T	0.6576		0.200	0.0200
93-72-1	Silvex (2,4,5-TP)	0.6167		0.200	0.0200

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	95		10-125.2

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-84456-1

SDG No.: _____

Instrument ID: ECD08Start Date: 01/02/2014 09:52Analysis Batch Number: 124208End Date: 01/02/2014 21:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 600-124208/1		01/02/2014 09:52	1	AL02_003.D	RTX-CLP1 0.32 (mm)
IC 600-124208/1		01/02/2014 09:52	1	BL02_003.D	RTX-CLP2 0.32 (mm)
IC 600-124208/2		01/02/2014 10:17	1	AL02_004.D	RTX-CLP1 0.32 (mm)
IC 600-124208/2		01/02/2014 10:17	1	BL02_004.D	RTX-CLP2 0.32 (mm)
IC 600-124208/3		01/02/2014 10:42	1	AL02_005.D	RTX-CLP1 0.32 (mm)
IC 600-124208/3		01/02/2014 10:42	1	BL02_005.D	RTX-CLP2 0.32 (mm)
ICRT 600-124208/4		01/02/2014 11:06	1	AL02_006.D	RTX-CLP1 0.32 (mm)
ICRT 600-124208/4		01/02/2014 11:06	1	BL02_006.D	RTX-CLP2 0.32 (mm)
IC 600-124208/5		01/02/2014 11:31	1	AL02_007.D	RTX-CLP1 0.32 (mm)
IC 600-124208/5		01/02/2014 11:31	1	BL02_007.D	RTX-CLP2 0.32 (mm)
IC 600-124208/6		01/02/2014 11:56	1	AL02_008.D	RTX-CLP1 0.32 (mm)
IC 600-124208/6		01/02/2014 11:56	1	BL02_008.D	RTX-CLP2 0.32 (mm)
ICV 600-124208/7		01/02/2014 12:21	1		RTX-CLP1 0.32 (mm)
ICV 600-124208/7		01/02/2014 12:21	1		RTX-CLP2 0.32 (mm)
CCVRT 600-124208/9		01/02/2014 12:46	1	AL02_010.D	RTX-CLP1 0.32 (mm)
CCVRT 600-124208/9		01/02/2014 12:46	1	BL02_010.D	RTX-CLP2 0.32 (mm)
ICV 600-124208/8		01/02/2014 14:08	1	AL02_011.D	RTX-CLP1 0.32 (mm)
ICV 600-124208/8		01/02/2014 14:08	1	BL02_011.D	RTX-CLP2 0.32 (mm)
MB 600-123572/1-A		01/02/2014 14:33	1	AL02_012.D	RTX-CLP1 0.32 (mm)
MB 600-123572/1-A		01/02/2014 14:33	1	BL02_012.D	RTX-CLP2 0.32 (mm)
LCS 600-123572/2-A		01/02/2014 14:58	1	AL02_013.D	RTX-CLP1 0.32 (mm)
LCS 600-123572/2-A		01/02/2014 14:58	1	BL02_013.D	RTX-CLP2 0.32 (mm)
600-84456-4	BlancoSouth-IDW-12182 013	01/02/2014 15:23	1	AL02_014.D	RTX-CLP1 0.32 (mm)
600-84456-4	BlancoSouth-IDW-12182 013	01/02/2014 15:23	1	BL02_014.D	RTX-CLP2 0.32 (mm)
CCV 600-124208/13		01/02/2014 17:59	1	AL02_018.D	RTX-CLP1 0.32 (mm)
CCV 600-124208/13		01/02/2014 17:59	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 18:27	10		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 18:27	10		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 18:52	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 18:52	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 19:16	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 19:16	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 19:41	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 19:41	1		RTX-CLP2 0.32 (mm)
ZZZZZ		01/02/2014 20:05	1		RTX-CLP1 0.32 (mm)
ZZZZZ		01/02/2014 20:05	1		RTX-CLP2 0.32 (mm)
CCV 600-124208/19		01/02/2014 21:19	1	AL02_026.D	RTX-CLP1 0.32 (mm)
CCV 600-124208/19		01/02/2014 21:19	1		RTX-CLP2 0.32 (mm)

HERBICIDES BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123572 Batch Start Date: 12/24/13 06:28 Batch Analyst: Bennett, Shannon MBatch Method: 8151A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FirstAdjustpH	SecondAdjustpH	FinalAmount	HEBMS SPIKE 00031
MB 600-123572/1		8151A, 8151A		7 SU	1000 mL	12	2	5.00 mL	
LCS 600-123572/2		8151A, 8151A		7 SU	1000 mL	12	2	5.00 mL	1 mL
600-84456-B-4	BlancoSouth-IDW- 12182013	8151A, 8151A	T	7 SU	1040 mL	12	2	5.00 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	HEBSURR 00036					
MB 600-123572/1		8151A, 8151A		1 mL					
LCS 600-123572/2		8151A, 8151A		1 mL					
600-84456-B-4	BlancoSouth-IDW- 12182013	8151A, 8151A	T	1 mL					

Batch Notes	

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 Houston Job Number: 600-84456-1

SDG No.: _____

Project: BlancoSouth

Client Sample ID

BlancoSouth-IDW-12182013

BlancoSouth-IDW-12182013

Lab Sample ID

600-84456-4

600-84456-4 DL

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 08:00

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.00125	0.0100	0.00125	mg/L	U		1	6010B
7440-38-2	Arsenic	0.00328	0.0100	0.00328	mg/L	U		1	6010B
7429-90-5	Aluminum	2.76	0.500	0.0216	mg/L			1	6010B
7440-39-3	Barium	0.0122	0.0200	0.00220	mg/L	J		1	6010B
7440-70-2	Calcium	363	1.00	0.0219	mg/L			1	6010B
7440-43-9	Cadmium	0.000350	0.00500	0.000350	mg/L	U		1	6010B
7440-48-4	Cobalt	0.0166	0.0100	0.000630	mg/L			1	6010B
7440-47-3	Chromium	0.00155	0.0100	0.00155	mg/L	U		1	6010B
7440-50-8	Copper	0.00527	0.0100	0.00145	mg/L	J		1	6010B
7439-89-6	Iron	0.427	0.400	0.0866	mg/L			1	6010B
7440-09-7	Potassium	9.52	1.00	0.129	mg/L			1	6010B
7439-95-4	Magnesium	93.7	1.00	0.0191	mg/L			1	6010B
7439-96-5	Manganese	1.94	0.0100	0.000840	mg/L			1	6010B
7439-98-7	Molybdenum	0.00315	0.0100	0.00273	mg/L	J		1	6010B
7440-23-5	Sodium	2150	20.0	0.400	mg/L		B	20	6010B
7440-02-0	Nickel	0.0351	0.0100	0.00179	mg/L			1	6010B
7439-92-1	Lead	0.00290	0.0100	0.00290	mg/L	U		1	6010B
7782-49-2	Selenium	0.0162	0.0400	0.00417	mg/L	J		1	6010B
7440-66-6	Zinc	0.0643	0.0300	0.00217	mg/L			1	6010B
7439-97-6	Mercury	0.0820	0.200	0.0820	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

ICV Source: MET1213CCV_00006 Concentration Units: mg/L

CCV Source: MET1213CCV_00006

Analyte	ICV 600-124213/1 01/03/2014 12:55				CCV 600-124213/6 01/03/2014 13:05				CCV 600-124213/18 01/03/2014 13:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	2.565		2.50	103	2.580		2.50	103	2.539		2.50	102
Arsenic	0.5159		0.500	103	0.5163		0.500	103	0.5039		0.500	101
Barium	0.5120		0.500	102	0.5057		0.500	101	0.5016		0.500	100
Cadmium	0.5091		0.500	102	0.5021		0.500	100	0.4990		0.500	100
Calcium	12.83		12.5	103	12.64		12.5	101	12.30		12.5	98
Chromium	0.5035		0.500	101	0.4984		0.500	100	0.4887		0.500	98
Cobalt	0.5095		0.500	102	0.5017		0.500	100	0.4963		0.500	99
Copper	0.5053		0.500	101	0.5020		0.500	100	0.4840		0.500	97
Iron	2.503		2.50	100	2.486		2.50	99	2.416		2.50	97
Lead	0.5192		0.500	104	0.5115		0.500	102	0.5071		0.500	101
Magnesium	4.970		5.00	99	4.959		5.00	99	4.833		5.00	97
Manganese	0.5167		0.500	103	0.5101		0.500	102	0.5001		0.500	100
Molybdenum	0.5196		0.500	104	0.5125		0.500	102	0.5058		0.500	101
Nickel	0.5152		0.500	103	0.5069		0.500	101	0.4998		0.500	100
Potassium	19.82		20.0	99	19.25		20.0	96	19.36		20.0	97
Selenium	0.5126		0.500	103	0.5066		0.500	101	0.4978		0.500	100
Silver	0.2525		0.250	101	0.2488		0.250	100	0.2428		0.250	97
Sodium	20.29		20.0	101	19.63		20.0	98	20.08		20.0	100
Zinc	0.5030		0.500	101	0.4959		0.500	99	0.4879		0.500	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 Houston Job No.: 600-84456-1

SDG No.: _____

ICV Source: MET1213CCV_00006 Concentration Units: mg/L

CCV Source: MET1213CCV_00006

Analyte	CCV 600-124213/62 01/03/2014 15:11				CCV 600-124213/65 01/03/2014 15:18							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum												
Arsenic												
Barium												
Cadmium												
Calcium												
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium												
Manganese												
Molybdenum												
Nickel												
Potassium												
Selenium												
Silver												
Sodium	20.04		20.0	100	19.91		20.0	100				
Zinc												

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 Houston Job No.: 600-84456-1

SDG No.: _____

ICV Source: MER1213S2_00011 Concentration Units: ug/L

CCV Source: MER1213S2_00011

Analyte	ICV 600-123495/8 12/23/2013 08:03				CCV 600-123495/11 12/23/2013 08:09				CCV 600-123495/23 12/23/2013 08:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.008		3.00	100	2.998		3.00	100	3.190		3.00	106

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 Houston Job No.: 600-84456-1

SDG No.: _____

ICV Source: MER1213S2_00011 Concentration Units: ug/L

CCV Source: MER1213S2_00011

Analyte	CCV 600-123495/35 12/23/2013 08:54				CCV 600-123495/46 12/23/2013 09:18							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.045		3.00	102	3.194		3.00	106				

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 Houston Job No.: 600-84456-1
SDG No.: _____
Method: 7470A Instrument ID: FIMS01
Lab Sample ID: CRA 600-123495/10 Concentration Units: ug/L
CRQL Check Standard Source: MER1213S1_00011

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.1778	J	89	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 600-124213/2 01/03/2014 12:57		CCB 600-124213/7 01/03/2014 13:07		CCB 600-124213/19 01/03/2014 13:30		CCB 600-124213/63 01/03/2014 15:13	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.500	0.0216	U	0.0216	U	0.0216	U		
Arsenic	0.0100	0.00328	U	0.00328	U	0.00328	U		
Barium	0.0200	0.00220	U	0.00220	U	0.00220	U		
Cadmium	0.00500	0.000350	U	0.000350	U	0.000350	U		
Calcium	1.00	0.0219	U	0.08038	J	0.06066	J		
Chromium	0.0100	0.00155	U	0.00155	U	0.00155	U		
Cobalt	0.0100	0.000630	U	0.000630	U	0.000630	U		
Copper	0.0100	0.00145	U	0.00145	U	0.00145	U		
Iron	0.400	0.0866	U	0.0866	U	0.0866	U		
Lead	0.0100	0.00290	U	0.00290	U	0.00290	U		
Magnesium	1.00	0.0191	U	0.02101	J	0.0191	U		
Manganese	0.0100	0.000840	U	0.000840	U	0.000840	U		
Molybdenum	0.0100	0.00273	U	0.00273	U	0.00273	U		
Nickel	0.0100	0.00179	U	0.00179	U	0.00179	U		
Potassium	1.00	0.129	U	0.129	U	0.129	U		
Selenium	0.0400	0.00417	U	0.00417	U	0.00417	U		
Silver	0.0100	0.00125	U	0.00125	U	0.00125	U		
Sodium	1.00	0.09132	J	0.02668	J	0.1698	J	0.04765	J
Zinc	0.0100	0.00217	U	0.003676	J	0.002467	J		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 600-124213/66 01/03/2014 15:20							
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.500								
Arsenic	0.0100								
Barium	0.0200								
Cadmium	0.00500								
Calcium	1.00								
Chromium	0.0100								
Cobalt	0.0100								
Copper	0.0100								
Iron	0.400								
Lead	0.0100								
Magnesium	1.00								
Manganese	0.0100								
Molybdenum	0.0100								
Nickel	0.0100								
Potassium	1.00								
Selenium	0.0400								
Silver	0.0100								
Sodium	1.00	0.04087	J						
Zinc	0.0100								

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 600-123495/9 12/23/2013 08:06		CCB 600-123495/12 12/23/2013 08:11		CCB 600-123495/24 12/23/2013 08:34		CCB 600-123495/36 12/23/2013 08:57	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.200	0.0820	U	0.0820	U	0.0820	U	0.0820	U

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 600-123495/47 12/23/2013 09:20							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.200	0.0820	U						

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 600-124010/1-A

Instrument Code: SPECTRO1 Batch No.: 124213

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.00125	U		6010B
7440-38-2	Arsenic	0.00328	U		6010B
7429-90-5	Aluminum	0.0216	U		6010B
7440-39-3	Barium	0.00220	U		6010B
7440-70-2	Calcium	0.0219	U		6010B
7440-43-9	Cadmium	0.000350	U		6010B
7440-48-4	Cobalt	0.000630	U		6010B
7440-47-3	Chromium	0.00155	U		6010B
7440-50-8	Copper	0.00145	U		6010B
7439-89-6	Iron	0.0866	U		6010B
7440-09-7	Potassium	0.129	U		6010B
7439-95-4	Magnesium	0.0191	U		6010B
7439-96-5	Manganese	0.000840	U		6010B
7439-98-7	Molybdenum	0.00273	U		6010B
7440-23-5	Sodium	0.02672	J		6010B
7440-02-0	Nickel	0.00179	U		6010B
7439-92-1	Lead	0.00290	U		6010B
7782-49-2	Selenium	0.00417	U		6010B
7440-66-6	Zinc	0.00217	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 600-123454/7-A
Instrument Code: FIMS01 Batch No.: 123495

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0820	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: ICSA 600-124213/4 Instrument ID: SPECTRO1
 Lab File ID: SA010314.asc ICS Source: METISA_00101
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500	488	98
Arsenic		-0.0150	
Barium		-0.0012	
Cadmium		0.0021	
Calcium	500	497	99
Chromium		-0.0036	
Cobalt		-0.0002	
Copper		0.0023	
Iron	200	172	86
Lead		0.0119	
Magnesium	500	520	104
Manganese		0.0045	
Molybdenum		-0.0014	
Nickel		0.0019	
Potassium		0.0128	
Selenium		-0.0089	
Silver		-0.0001	
Sodium		-0.0783	
Zinc		0.0171	
<i>Antimony</i>		<i>0.0065</i>	
<i>Beryllium</i>		<i>-0.0005</i>	
<i>Boron</i>		<i>0.0702</i>	
<i>Lithium</i>		<i>0.0019</i>	
<i>Silicon</i>		<i>0.0148</i>	
<i>Strontium</i>		<i>0.0159</i>	
<i>Thallium</i>		<i>-0.0100</i>	
<i>Tin</i>		<i>-0.0063</i>	
<i>Titanium</i>		<i>0.0021</i>	
<i>Vanadium</i>		<i>-0.0011</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Lab Sample ID: ICSAB 600-124213/5 Instrument ID: SPECTRO1
 Lab File ID: SA010314.asc ICS Source: METISB_00100
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	510	464	91
Arsenic	1.00	1.03	103
Barium	1.00	1.01	101
Cadmium	0.500	0.472	94
Calcium	510	488	96
Chromium	1.00	0.961	96
Cobalt	1.00	0.930	93
Copper	1.00	1.09	109
Iron	210	173	82
Lead	1.00	0.966	97
Magnesium	510	509	100
Manganese	1.00	0.991	99
Molybdenum	1.00	0.982	98
Nickel	1.00	0.927	93
Potassium	10.0	11.3	113
Selenium	1.00	1.000	100
Silver	0.500	0.551	110
Sodium	10.0	9.20	92
Zinc	1.00	1.04	104
<i>Antimony</i>	<i>1.00</i>	<i>0.900</i>	<i>90</i>
<i>Beryllium</i>	<i>0.500</i>	<i>0.505</i>	<i>101</i>
<i>Boron</i>	<i>1.00</i>	<i>0.996</i>	<i>100</i>
<i>Lithium</i>	<i>1.00</i>	<i>0.974</i>	<i>97</i>
<i>Silicon</i>	<i>1.00</i>	<i>0.979</i>	<i>98</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.515</i>	<i>103</i>
<i>Thallium</i>	<i>1.00</i>	<i>0.893</i>	<i>89</i>
<i>Tin</i>	<i>1.00</i>	<i>0.972</i>	<i>97</i>
<i>Titanium</i>	<i>1.00</i>	<i>1.00</i>	<i>100</i>
<i>Vanadium</i>	<i>1.00</i>	<i>0.983</i>	<i>98</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 600-124010/2-A

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

Sample Matrix: Water

LCS Source: METCALB_00013

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	0.500	0.5582		112	80	120		6010B
Arsenic	1.00	1.080		108	80	120		6010B
Aluminum	10.0	10.80		108	80	120		6010B
Barium	1.00	1.096		110	80	120		6010B
Calcium	10.0	10.75		107	80	120		6010B
Cadmium	0.500	0.5381		108	80	120		6010B
Cobalt	1.00	1.076		108	80	120		6010B
Chromium	1.00	1.068		107	80	120		6010B
Copper	1.00	1.073		107	80	120		6010B
Iron	10.0	10.75		107	80	120		6010B
Potassium	10.0	10.77		108	80	120		6010B
Magnesium	10.0	10.71		107	80	120		6010B
Manganese	1.00	1.073		107	80	120		6010B
Molybdenum	1.00	1.113		111	80	120		6010B
Sodium	10.0	10.71		107	80	120		6010B
Nickel	1.00	1.076		108	80	120		6010B
Lead	1.00	1.096		110	80	120		6010B
Selenium	1.00	1.066		107	80	120		6010B
Zinc	1.00	1.082		108	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

Lab ID: LCS 600-123454/8-A

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

Sample Matrix: Water

LCS Source: MER1213S2_00011

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	3.00	3.013		100	70	130		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Houston Job Number: 600-84456-1
 SDG Number: _____
 Matrix: Water Instrument ID: SPECTRO1
 Method: 6010B MDL Date: 03/28/2011 11:53
 Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Aluminum		0.5	0.02155
Arsenic		0.01	0.00328
Barium		0.02	0.0022
Cadmium		0.005	0.00035
Calcium		1	0.02185
Chromium		0.01	0.00155
Cobalt		0.01	0.00063
Copper		0.01	0.00145
Iron		0.4	0.08656
Lead		0.01	0.0029
Magnesium		1	0.01909
Manganese		0.01	0.00084
Molybdenum		0.01	0.00273
Nickel		0.01	0.00179
Potassium		1	0.12929
Selenium		0.04	0.00417
Silver		0.01	0.00125
Sodium		1	0.02
Zinc		0.03	0.00217

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: SPECTRO1
Method: 6010B XMDL Date: 05/16/2008 15:08

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Aluminum		0.5	0.02155
Arsenic		0.01	0.00328
Barium		0.02	0.0022
Cadmium		0.005	0.00035
Calcium		1	0.02185
Chromium		0.01	0.00155
Cobalt		0.01	0.00063
Copper		0.01	0.00145
Iron		0.4	0.08656
Lead		0.01	0.0029
Magnesium		1	0.01909
Manganese		0.01	0.00084
Molybdenum		0.01	0.00273
Nickel		0.01	0.00179
Potassium		1	0.12929
Selenium		0.04	0.00417
Silver		0.01	0.00125
Sodium		1	0.02
Zinc		0.01	0.00217

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: FIMS01
Method: 7470A MDL Date: 01/30/2013 13:08
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.082

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: FIMS01
Method: 7470A XMDL Date: 05/16/2008 15:13

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.082

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Houston Job Number: 600-84456-1

SDG No.: _____

ICP-AES Instrument ID: SPECTRO1 Date: 07/29/2013

Analyte	Wave Length	Ag	Al	B	Ba	Be	Ca	CaCO3	Cd	Co	Cr	Cu	Fe	K	Li
Aluminum															
Antimony											0.003049				
Arsenic											0.00092				
Barium															
Beryllium															
Boron															
Cadmium													0.00022		
Calcium															
Chromium															
Cobalt															
Copper													-0.000069		
Iron															
Lead			0.00021										-0.0005		
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel															
Potassium															
Selenium															
Silicon															
Silver															
Sodium															
Strontium															
Thallium										0.002536					
Tin															
Titanium															
Vanadium															
Zinc															

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Houston Job Number: 600-84456-1

SDG No.: _____

ICP-AES Instrument ID: SPECTRO1 Date: 07/29/2013

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl	V
Aluminum															
Antimony															
Arsenic															0.0027
Barium															
Beryllium															
Boron															
Cadmium															
Calcium															
Chromium															
Cobalt						0.00249							0.00249		
Copper															
Iron															
Lead															
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel															
Potassium															
Selenium															
Silicon															
Silver															
Sodium															
Strontium															
Thallium															0.0017863
Tin															
Titanium															
Vanadium															
Zinc															

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Houston Job Number: 600-84456-1

SDG No.: _____

ICP-AES Instrument ID: SPECTRO1 Date: 07/29/2013

Analyte	Wave Length	Zn													
Aluminum															
Antimony															
Arsenic															
Barium															
Beryllium															
Boron															
Cadmium															
Calcium															
Chromium															
Cobalt															
Copper															
Iron															
Lead															
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel															
Potassium															
Selenium															
Silicon															
Silver															
Sodium															
Strontium															
Thallium															
Tin															
Titanium															
Vanadium															
Zinc															

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Houston

Job No: 600-84456-1

SDG No.: _____

Instrument ID: SPECTRO1

Date: 07/01/2013 15:43

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Silver		2	6010B
Arsenic		50	6010B
Aluminum		500	6010B
Barium		40	6010B
Calcium		500	6010B
Cadmium		25	6010B
Cobalt		25	6010B
Chromium		50	6010B
Copper		50	6010B
Iron		250	6010B
Potassium		200	6010B
Magnesium		500	6010B
Manganese		25	6010B
Molybdenum		10	6010B
Sodium		200	6010B
Nickel		50	6010B
Lead		50	6010B
Selenium		10	6010B
Zinc		10	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 600-124010/1-A	12/31/2013 08:33	124010		50	50
LCS 600-124010/2-A	12/31/2013 08:33	124010		50	50
600-84456-4	12/31/2013 08:33	124010		50	50
600-84456-4 DL	12/31/2013 08:33	124010		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 600-123454/7-A	12/23/2013 04:58	123454		40	40
LCS 600-123454/8-A	12/23/2013 04:58	123454		50	50
600-84456-4	12/23/2013 04:58	123454		40	40

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: SPECTRO1 Analysis Method: 6010B
 Start Date: 01/03/2014 12:55 End Date: 01/03/2014 18:22

Lab Sample Id	D/F	Type	Time	Analytes																									
				A	A	A	B	C	C	C	C	C	F	K	M	M	M	N	N	P	S	Z							
ICV 600-124213/1		1	12:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICB 600-124213/2		1	12:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CRI 600-124213/3			12:59																										
ICSA 600-124213/4		1	13:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICSAB 600-124213/5		1	13:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCV 600-124213/6		1	13:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 600-124213/7		1	13:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
MB 600-124010/1-A		1 T	13:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
LCS 600-124010/2-A		1 T	13:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			13:13																										
ZZZZZZ			13:15																										
ZZZZZZ			13:17																										
ZZZZZZ			13:19																										
600-84456-4		1 T	13:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X						
ZZZZZZ			13:22																										
ZZZZZZ			13:24																										
ZZZZZZ			13:26																										
CCV 600-124213/18		1	13:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 600-124213/19		1	13:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			13:32																										
ZZZZZZ			13:34																										
ZZZZZZ			13:36																										
ZZZZZZ			13:38																										
ZZZZZZ			13:40																										
ZZZZZZ			13:42																										
ZZZZZZ			13:44																										
ZZZZZZ			13:46																										
ZZZZZZ			13:48																										
ZZZZZZ			13:50																										
CCV 600-124213/30			13:52																										
CCB 600-124213/31			13:54																										
ZZZZZZ			13:56																										
ZZZZZZ			13:58																										
ZZZZZZ			14:00																										
ZZZZZZ			14:02																										
ZZZZZZ			14:05																										
ZZZZZZ			14:07																										
ZZZZZZ			14:09																										
ZZZZZZ			14:11																										
ZZZZZZ			14:13																										
ZZZZZZ			14:15																										
CCV 600-124213/42			14:17																										

Lab Name:	TestAmerica Houston	Job No.:	600-84456-1
SDG No.:			
Instrument ID:	SPECTRO1	Analysis Method:	6010B
Start Date:	01/03/2014 12:55	End Date:	01/03/2014 18:22

Lab Sample Id	D/F	T y p e	Time	Analytes																								
				A g	A l	A s	B a	C a	C d	C o	C r	C u	F e	K	M g	M n	M o	N a	N i	P b	S e	Z n						
CCB 600-124213/43			14:19																									
ZZZZZZ			14:21																									
ZZZZZZ			14:23																									
ZZZZZZ			14:25																									
ZZZZZZ			14:27																									
ZZZZZZ			14:29																									
ZZZZZZ			14:31																									
ZZZZZZ			14:33																									
ZZZZZZ			14:35																									
ZZZZZZ			14:37																									
ZZZZZZ			14:39																									
CCV 600-124213/54			14:41																									
CCB 600-124213/55			14:43																									
ZZZZZZ			14:45																									
ZZZZZZ			14:47																									
ZZZZZZ			14:49																									
ZZZZZZ			14:51																									
CCV 600-124213/60			14:53																									
CCB 600-124213/61			14:55																									
CCV 600-124213/62	1		15:11															X										
CCB 600-124213/63	1		15:13															X										
600-84456-4 DL	20	T	15:16															X										
CCV 600-124213/65	1		15:18															X										
CCB 600-124213/66	1		15:20															X										
CCV 600-124213/67			15:25																									
CCB 600-124213/68			15:27																									
ZZZZZZ			15:29																									
ZZZZZZ			15:31																									
ZZZZZZ			15:33																									
ZZZZZZ			15:35																									
ZZZZZZ			15:37																									
ZZZZZZ			15:39																									
ZZZZZZ			15:41																									
ZZZZZZ			15:43																									
ZZZZZZ			15:45																									
ZZZZZZ			15:47																									
CCV 600-124213/79			15:49																									
CCB 600-124213/80			15:51																									
ZZZZZZ			15:53																									
ZZZZZZ			15:55																									
ZZZZZZ			15:57																									
ZZZZZZ			15:59																									

Lab Name:	TestAmerica Houston	Job No.:	600-84456-1
SDG No.:			
Instrument ID:	SPECTRO1	Analysis Method:	6010B
Start Date:	01/03/2014 12:55	End Date:	01/03/2014 18:22

[illegible]

02/06/2014

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: FIMS01 Analysis Method: 7470A
 Start Date: 12/23/2013 07:49 End Date: 12/23/2013 09:44

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
ZZZZZZ			07:49																										
ZZZZZZ			07:51																										
ZZZZZZ			07:53																										
ZZZZZZ			07:54																										
ZZZZZZ			07:56																										
ZZZZZZ			07:58																										
ZZZZZZ			08:01																										
ICV 600-123495/8	1		08:03	X																									
ICB 600-123495/9	1		08:06	X																									
CRA 600-123495/10	1		08:08	X																									
CCV 600-123495/11	1		08:09	X																									
CCB 600-123495/12	1		08:11	X																									
MB 600-123454/7-A	1	T	08:13	X																									
LCS 600-123454/8-A	1	T	08:15	X																									
ZZZZZZ			08:17																										
ZZZZZZ			08:19																										
ZZZZZZ			08:21																										
ZZZZZZ			08:23																										
ZZZZZZ			08:25																										
ZZZZZZ			08:26																										
ZZZZZZ			08:28																										
ZZZZZZ			08:30																										
CCV 600-123495/23	1		08:32	X																									
CCB 600-123495/24	1		08:34	X																									
ZZZZZZ			08:36																										
ZZZZZZ			08:38																										
ZZZZZZ			08:40																										
ZZZZZZ			08:42																										
ZZZZZZ			08:43																										
ZZZZZZ			08:45																										
ZZZZZZ			08:47																										
ZZZZZZ			08:49																										
ZZZZZZ			08:51																										
ZZZZZZ			08:52																										
CCV 600-123495/35	1		08:54	X																									
CCB 600-123495/36	1		08:57	X																									
ZZZZZZ			08:59																										
600-84456-4	1	T	09:00	X																									
ZZZZZZ			09:02																										
ZZZZZZ			09:04																										
ZZZZZZ			09:06																										
ZZZZZZ			09:08																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: FIMS01 Analysis Method: 7470A
 Start Date: 12/23/2013 07:49 End Date: 12/23/2013 09:44

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
ZZZZZZ			09:10																										
ZZZZZZ			09:12																										
ZZZZZZ			09:16																										
CCV 600-123495/46	1		09:18	X																									
CCB 600-123495/47	1		09:20	X																									
ZZZZZZ			09:22																										
ZZZZZZ			09:24																										
ZZZZZZ			09:26																										
ZZZZZZ			09:29																										
ZZZZZZ			09:31																										
ZZZZZZ			09:33																										
ZZZZZZ			09:35																										
ZZZZZZ			09:36																										
ZZZZZZ			09:39																										
CCV 600-123495/57			09:41																										
CCB 600-123495/58			09:44																										

Prep Types: _____
 T = Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124010 Batch Start Date: 12/31/13 08:33 Batch Analyst: Racelis, Froilan Noel EBatch Method: 3010A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	METCALA 00015	METCALB 00013	METHCL 00057
MB 600-124010/1		3010A, 6010B			50 mL	50 mL			2.5 mL
LCS 600-124010/2		3010A, 6010B			50 mL	50 mL	250 uL	250 uL	2.5 mL
600-84456-J-4	BlancoSouth-IDW-12182013	3010A, 6010B	T	<2	50 mL	50 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	METHNO3 00043					
MB 600-124010/1		3010A, 6010B		2.5 mL					
LCS 600-124010/2		3010A, 6010B		2.5 mL					
600-84456-J-4	BlancoSouth-IDW-12182013	3010A, 6010B	T	2.5 mL					

Batch Notes	
Hood ID or number	M4
Hot Block ID number	HB 04
Pipette ID	M11
Temperature	93+0.0=93
ID number of the thermometer	424
Digestion Tube/Cup Lot #	1306159

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 BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123454 Batch Start Date: 12/23/13 04:58 Batch Analyst: Trenery, Michael JBatch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MER01213HS 00001	MER1113PP 00001	MER1213KM 00001	MER1213S2 00011
MB 600-123454/7		7470A, 7470A		40 mL	40 mL	3 mL	3.2 mL	6 mL	
LCS 600-123454/8		7470A, 7470A		50 mL	50 mL	3 mL	3.2 mL	6 mL	1.5 mL
600-84456-J-4	BlancoSouth-IDW- 12182013	7470A, 7470A	T	40 mL	40 mL	3 mL	3.2 mL	6 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MERSUL 00034	METHNO3 00042				
MB 600-123454/7		7470A, 7470A		2 mL	1 mL				
LCS 600-123454/8		7470A, 7470A		2 mL	1 mL				
600-84456-J-4	BlancoSouth-IDW- 12182013	7470A, 7470A	T	2 mL	1 mL				

Batch Notes	
Hood ID or number	m4
Hot Block ID number	hb03
Temperature	95+1.0=96 Degrees C
ID number of the thermometer	517
Digestion Tube/Cup Lot #	1306159

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG No.: _____
Project: BlancoSouth

Client Sample ID	Lab Sample ID
<u>BlancoSouth-MW13-12182013</u>	<u>600-84456-1</u>
<u>BlancoSouth-EquBlank03-12182013</u>	<u>600-84456-2</u>
<u>BlancoSouth-MW15-12182013</u>	<u>600-84456-3</u>
<u>BlancoSouth-IDW-12182013</u>	<u>600-84456-4</u>
<u>BlancoSouth-MW08-12182013</u>	<u>600-84456-5</u>
<u>BlancoSouth-MW06-12182013</u>	<u>600-84456-6</u>
<u>BlancoSouth-MW30-12182013</u>	<u>600-84456-7</u>
<u>BlancoSouth-MW05-12182013</u>	<u>600-84456-8</u>
<u>BlancoSouth-MW29-12182013</u>	<u>600-84456-9</u>
<u>BlancoSouth-MW28-12182013</u>	<u>600-84456-10</u>
<u>BlancoSouth-MW12-12182013</u>	<u>600-84456-11</u>
<u>BlancoSouth-EquBlank02-12182013</u>	<u>600-84456-12</u>

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW13-12182013

Lab Sample ID: 600-84456-1

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 16:10

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	15.4	5.00	1.70	mg/L			100	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-EquBlank03-12182013

Lab Sample ID: 600-84456-2

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 16:30

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	0.0599	0.0500	0.0170	mg/L			1	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW15-12182013

Lab Sample ID: 600-84456-3

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 17:15

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	54.8	12.5	4.25	mg/L			250	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 08:00

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Cyanide, Reactive	39.7	250	39.7	ug/L	U		1	9012
	Sulfide, Reactive	1.40	50.0	1.40	mg/L	U		1	9034
16887-00-6	Chloride	115	40.0	2.70	mg/L			100	300.0
14808-79-8	Sulfate	5270	100	16.6	mg/L			200	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-IDW-12182013

Lab Sample ID: 600-84456-4

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 08:00

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Flashpoint	>186	1.00		Degrees F			1	1010
	pH	7.05	0.0100		SU		H	1	9040B
	Alkalinity	628	10.0		mg/L			1	SM 2320B
	Bicarbonate Alkalinity as CaCO3	628	10.0		mg/L			1	SM 2320B
	Carbonate Alkalinity as CaCO3	10.0	10.0		mg/L	U		1	SM 2320B
	Hydroxide Alkalinity	10.0	10.0		mg/L	U		1	SM 2320B
	Phenolphthalein Alkalinity	10.0	10.0		mg/L	U		1	SM 2320B
	Total Dissolved Solids	7860	40.0		mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW08-12182013

Lab Sample ID: 600-84456-5

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 10:40

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	0.122	0.0500	0.0170	mg/L			1	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW06-12182013

Lab Sample ID: 600-84456-6

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 11:20

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	143	12.5	4.25	mg/L			250	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW30-12182013

Lab Sample ID: 600-84456-7

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.: _____

Matrix: Water

Date Sampled: 12/18/2013 12:10

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	101	2.50	0.850	mg/L			50	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW05-12182013

Lab Sample ID: 600-84456-8

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 13:15

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	170	5.00	1.70	mg/L			100	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW29-12182013

Lab Sample ID: 600-84456-9

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 13:50

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	180	5.00	1.70	mg/L			100	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW28-12182013

Lab Sample ID: 600-84456-10

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 14:15

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	47.2	5.00	1.70	mg/L			100	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-MW12-12182013

Lab Sample ID: 600-84456-11

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 15:20

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	13.2	12.5	4.25	mg/L			250	353.2

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: BlancoSouth-EquBlank02-12182013

Lab Sample ID: 600-84456-12

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG ID.:

Matrix: Water

Date Sampled: 12/18/2013 15:15

Reporting Basis: WET

Date Received: 12/20/2013 11:18

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Nitrate Nitrite as N	0.0767	0.0500	0.0170	mg/L			1	353.2

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Analyst: KRD Batch Start Date: 01/03/2014
 Reporting Units: mg/L Analytical Batch No.: 124343

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	ICV	11:27	Nitrate Nitrite as N	0.9953	1.00	100	90-110		WETSICINO3_00009
8	ICB	11:27	Nitrate Nitrite as N	0.00310				U	
19	CCV	11:40	Nitrate Nitrite as N	1.058	1.00	106	90-110		WETSICCNO3_00010
20	CCB	11:41	Nitrate Nitrite as N	0.00310				U	
31	CCV	11:56	Nitrate Nitrite as N	1.077	1.00	108	90-110		WETSICCNO3_00010
32	CCB	11:57	Nitrate Nitrite as N	0.00310				U	
43	CCV	12:04	Nitrate Nitrite as N	1.055	1.00	105	90-110		WETSICCNO3_00010
44	CCB	12:04	Nitrate Nitrite as N	0.00310				U	
79	CCV	12:26	Nitrate Nitrite as N	1.083	1.00	108	90-110		WETSICCNO3_00010
80	CCB	12:27	Nitrate Nitrite as N	0.00310				U	
91	CCV	12:34	Nitrate Nitrite as N	1.031	1.00	103	90-110		WETSICCNO3_00010
92	CCB	12:34	Nitrate Nitrite as N	0.00310				U	
94	CCV	12:36	Nitrate Nitrite as N	1.037	1.00	104	90-110		WETSICCNO3_00010
95	CCB	12:36	Nitrate Nitrite as N	0.00310				U	
96	CCV	14:40	Nitrate Nitrite as N	1.012	1.00	101	90-110		WETSICCNO3_00010
97	CCB	14:41	Nitrate Nitrite as N	0.005250				J	
108	CCV	14:48	Nitrate Nitrite as N	1.026	1.00	103	90-110		WETSICCNO3_00010
109	CCB	14:48	Nitrate Nitrite as N	0.00310				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Analyst: MJB Batch Start Date: 12/31/2013
Reporting Units: Degrees F Analytical Batch No.: 124048

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	CCV	12:00	Flashpoint	81.40	81.0	100	96.91-10 3.09		WETRPXYLEN_00010

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Analyst: DAW Batch Start Date: 12/23/2013
Reporting Units: mg/L Analytical Batch No.: 123582

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	16:12	Chloride	20.17	20.0	101	90-110		ICV/LCS_00026
			Sulfate	20.28	20.0	101	90-110		ICV/LCS_00026
2	ICB	16:27	Chloride	0.0270				U	
			Sulfate	0.0830				U	
13	CCV	19:55	Chloride	19.93	20.0	100	90-110		CCV_00023
			Sulfate	20.53	20.0	103	90-110		CCV_00023
14	CCB	20:10	Chloride	0.0270				U	
			Sulfate	0.0830				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Analyst: BDG Batch Start Date: 12/24/2013
Reporting Units: mg/L Analytical Batch No.: 124058

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	10:15	Chloride	20.29	20.0	101	90-110		ICV/LCS_00026
			Sulfate	20.94	20.0	105	90-110		ICV/LCS_00026
2	ICB	10:31	Chloride	0.0270				U	
			Sulfate	0.0830				U	
13	CCV	13:21	Chloride	20.49	20.0	102	90-110		CCV_00023
			Sulfate	20.56	20.0	103	90-110		CCV_00023
14	CCB	13:37	Chloride	0.0270				U	
			Sulfate	0.0830				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
SDG No.: _____
Analyst: MJB Batch Start Date: 12/23/2013
Reporting Units: SU Analytical Batch No.: 123560

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	CCV	15:00	pH	13.02	13.0	100	99-101		Buffer pH 13_00001

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 124048 Date: 12/31/2013 12:00							
1010	MB 600-124048/1	Flashpoint	>186		Degrees F	1.00	1
Batch ID: 123582 Date: 12/23/2013 17:20							
300.0	MB 600-123582/3	Chloride	0.0270	U	mg/L	0.400	1
300.0	MB 600-123582/3	Sulfate	0.0830	U	mg/L	0.500	1
Batch ID: 124058 Date: 12/24/2013 10:46							
300.0	MB 600-124058/3	Chloride	0.0270	U	mg/L	0.400	1
300.0	MB 600-124058/3	Sulfate	0.0830	U	mg/L	0.500	1
Batch ID: 124343 Date: 01/03/2014 11:28							
353.2	MB 600-124343/10	Nitrate Nitrite as N	0.0170	U	mg/L	0.0500	1
Batch ID: 124067 Date: 12/31/2013 15:10 Prep Batch: 124016 Date: 12/31/2013 07:40							
9012	MB 600-124016/1-A	Cyanide, Reactive	39.7	U	ug/L	250	1
Batch ID: 124061 Date: 12/31/2013 14:45 Prep Batch: 124016 Date: 12/31/2013 07:40							
9034	MB 600-124016/1-A	Sulfide, Reactive	1.40	U	mg/L	50.0	1
Batch ID: 124007 Date: 12/31/2013 08:13							
SM 2320B	MB 600-124007/1	Alkalinity	5.00	U	mg/L	5.00	1
SM 2320B	MB 600-124007/1	Bicarbonate Alkalinity as CaCO3	5.00	U	mg/L	5.00	1
SM 2320B	MB 600-124007/1	Carbonate Alkalinity as CaCO3	5.00	U	mg/L	5.00	1
SM 2320B	MB 600-124007/1	Hydroxide Alkalinity	5.00	U	mg/L	5.00	1
SM 2320B	MB 600-124007/1	Phenolphthalein Alkalinity	5.00	U	mg/L	5.00	1
Batch ID: 123544 Date: 12/23/2013 14:41							
SM 2540C	MB 600-123544/49	Total Dissolved Solids	10.0	U	mg/L	10.0	1
Batch ID: 123710 Date: 12/26/2013 13:39							
SM 2540C	MB 600-123710/1	Total Dissolved Solids	10.0	U	mg/L	10.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124343 Date: 01/03/2014 11:42											
353.2	600-84456-2	Nitrate Nitrite as N	0.0672		mg/L						
353.2	600-84456-2	Nitrate Nitrite as N	0.5098		mg/L	1.00	44	80-120			F1
MS											
Batch ID: 124343 Date: 01/03/2014 12:33											
353.2	600-84456-11	Nitrate Nitrite as N	13.2		mg/L						
353.2	600-84456-11	Nitrate Nitrite as N	438.0		mg/L	250	170	80-120			F1
MS											
Batch ID: 124343 Date: 01/03/2014 14:42											
353.2	600-84456-2	Nitrate Nitrite as N			mg/L						
353.2	600-84456-2	Nitrate Nitrite as N	0.9814		mg/L	1.00					
MS											

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124343 Date: 01/03/2014 11:43											
353.2	600-84456-2 MSD	Nitrate Nitrite as N	0.3201		mg/L	1.00	25	80-120	46	20	F1 F2
Batch ID: 124343 Date: 01/03/2014 12:35											
353.2	600-84456-11 MSD	Nitrate Nitrite as N	262.4		mg/L	250	100	80-120	50	20	F2
Batch ID: 124343 Date: 01/03/2014 14:43											
353.2	600-84456-2 MSD	Nitrate Nitrite as N	0.9258		mg/L	1.00					

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 123710 Date: 12/26/2013 13:39								
SM 2540C	BlancoSouth-IDW-12 182013	600-84456-4	Total Dissolved Solids	7880	mg/L			
SM 2540C	BlancoSouth-IDW-12 182013	600-84456-4 DU	Total Dissolved Solids	7820	mg/L	0.7	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston

Job No.: 600-84456-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124048 Date: 12/31/2013 12:00											
						LCS Source: WETRPXYLEN_00010					
1010	LCS 600-124048/2	Flashpoint	81.40		Degrees F	81.0	100	96.91-103.09			
Batch ID: 123582 Date: 12/23/2013 17:35											
						LCS Source: ICV/LCS_00026					
300.0	LCS 600-123582/4	Chloride	20.28		mg/L	20.0	101	90-110			
300.0	LCS 600-123582/4	Sulfate	20.34		mg/L	20.0	102	90-110			
Batch ID: 124058 Date: 12/24/2013 11:02											
						LCS Source: ICV/LCS_00026					
300.0	LCS 600-124058/4	Chloride	20.47		mg/L	20.0	102	90-110			
300.0	LCS 600-124058/4	Sulfate	20.58		mg/L	20.0	103	90-110			
Batch ID: 124343 Date: 01/03/2014 11:29											
						LCS Source: WETSICCNO3_00010					
353.2	LCS 600-124343/11	Nitrate Nitrite as N	1.050		mg/L	1.00	105	90-110			
Batch ID: 124067 Date: 12/31/2013 15:10 Prep Batch: 124016 Date: 12/31/2013 07:40											
						LCS Source: WETRCYANID_00029					
9012	LCS 600-124016/2-A ^20	Cyanide, Reactive	31490		ug/L	1000000	3	0-100			
Batch ID: 124061 Date: 12/31/2013 14:45 Prep Batch: 124016 Date: 12/31/2013 07:40											
						LCS Source: Sulfide Std._00396					
9034	LCS 600-124016/2-A	Sulfide, Reactive	320.0		mg/L	1000	32	0-100			
Batch ID: 123560 Date: 12/23/2013 15:00											
						LCS Source: WETRP7BUF_00020					
9040B	LCS 600-123560/1	pH	7.020		SU	7.00	100	99-101			
Batch ID: 124007 Date: 12/31/2013 08:13											
						LCS Source: WETSNACO3L_00020					
SM 2320B	LCS 600-124007/2	Alkalinity	965.7		mg/L	1000	97	90-110			
Batch ID: 123544 Date: 12/23/2013 14:41											
						LCS Source: TDSILCS_00069					
SM 2540C	LCS 600-123544/50	Total Dissolved Solids	1878		mg/L	1800	104	90-110			
Batch ID: 123710 Date: 12/26/2013 13:39											
						LCS Source: TDSILCS_00069					
SM 2540C	LCS 600-123710/2	Total Dissolved Solids	1828		mg/L	1800	102	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC05
Method: 353.2 MDL Date: 07/09/2012 10:23

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Nitrate Nitrite as N		0.05	0.017

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC05
Method: 353.2 XMDL Date: 08/20/2008 11:57

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate Nitrite as N		0.05	0.003095

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC05
Method: 9012 XMDL Date: 04/01/2011 13:46

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (mg/L)
Cyanide, Reactive		10	1.589

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC05
Method: 9012 MDL Date: 04/01/2011 13:46
Prep Method: 7.3.3

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Cyanide, Reactive		250	39.725

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 9034 MDL Date: 06/13/2008 17:51
Prep Method: 7.3.4

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Sulfide, Reactive		50	1.399

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 9034 XMDL Date: 06/13/2008 17:57

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfide, Reactive		50	1.399

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 1010 RL Date: 11/09/2005 14:49

Analyte	Wavelength/ Mass	RL (Degrees F)	
Flashpoint		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 1010 XRL Date: 06/09/2008 16:47

Analyte	Wavelength/ Mass	XRL (Degrees F)	
Flashpoint		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC11
Method: 300.0 MDL Date: 10/08/2013 11:01

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Sulfate		0.5	0.083

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC11
Method: 300.0 XMDL Date: 10/08/2013 11:02

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfate		0.5	0.083

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC16
Method: 300.0 MDL Date: 10/08/2013 11:01

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		0.4	0.027

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: WC16
Method: 300.0 XMDL Date: 10/08/2013 11:02

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		0.4	0.027

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 9040B RL Date: 07/03/2008 13:54

Analyte	Wavelength/ Mass	RL (SU)	
pH		0.01	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 9040B XRL Date: 07/03/2008 13:54

Analyte	Wavelength/ Mass	XRL (SU)	
pH		0.01	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2320B RL Date: 01/09/2008 12:24

Analyte	Wavelength/ Mass	RL (mg/L)	
Alkalinity		5	
Bicarbonate Alkalinity as CaCO ₃		5	
Carbonate Alkalinity as CaCO ₃		5	
Hydroxide Alkalinity		5	
Phenolphthalein Alkalinity		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2320B XMDL Date: 01/09/2008 12:30

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.528804
Bicarbonate Alkalinity as CaCO3		5	1.528804
Carbonate Alkalinity as CaCO3		5	1.528804
Hydroxide Alkalinity		5	1.528804
Phenolphthalein Alkalinity		5	1.528804

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2540C RL Date: 07/10/2012 13:37

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Dissolved Solids		10	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-84456-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2540C XMDL Date: 07/10/2012 13:37

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	3.564

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Prep Method: 7.3.3

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 600-124016/1-A	12/31/2013 07:40	124016		10	250
LCS 600-124016/2-A ^20	12/31/2013 07:40	124016		10	250
600-84456-4	12/31/2013 07:40	124016		10	250

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Prep Method: 7.3.4

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 600-124016/1-A	12/31/2013 07:40	124016		10	250
LCS 600-124016/2-A	12/31/2013 07:40	124016		10	250
600-84456-4	12/31/2013 07:40	124016		10	250

Lab Name:	TestAmerica Houston	Job No.:	600-84456-1
SDG No.:			
Instrument ID:	WC05	Analysis Method:	353.2
Start Date:	01/03/2014 11:21	End Date:	01/03/2014 15:09

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: WC05 Analysis Method: 353.2
 Start Date: 01/03/2014 11:21 End Date: 01/03/2014 15:09

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				N N O 3 2																									
ZZZZZZ			12:02																										
ZZZZZZ			12:02																										
ZZZZZZ			12:03																										
CCV 600-124343/43	1		12:04	X																									
CCB 600-124343/44	1		12:04	X																									
ZZZZZZ			12:05																										
ZZZZZZ			12:05																										
ZZZZZZ			12:06																										
ZZZZZZ			12:07																										
ZZZZZZ			12:07																										
ZZZZZZ			12:08																										
ZZZZZZ			12:09																										
ZZZZZZ			12:09																										
ZZZZZZ			12:10																										
ZZZZZZ			12:10																										
CCV 600-124343/55			12:11																										
CCB 600-124343/56			12:12																										
ZZZZZZ			12:12																										
ZZZZZZ			12:13																										
ZZZZZZ			12:14																										
ZZZZZZ			12:14																										
ZZZZZZ			12:15																										
ZZZZZZ			12:16																										
ZZZZZZ			12:16																										
ZZZZZZ			12:17																										
ZZZZZZ			12:17																										
ZZZZZZ			12:18																										
CCV 600-124343/67			12:19																										
CCB 600-124343/68			12:19																										
ZZZZZZ			12:20																										
ZZZZZZ			12:21																										
ZZZZZZ			12:21																										
ZZZZZZ			12:22																										
ZZZZZZ			12:22																										
ZZZZZZ			12:23																										
ZZZZZZ			12:24																										
ZZZZZZ			12:24																										
ZZZZZZ			12:25																										
ZZZZZZ			12:26																										

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: WC05 Analysis Method: 353.2
 Start Date: 01/03/2014 11:21 End Date: 01/03/2014 15:09

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				N N O 3 2																									
CCV 600-124343/79	1		12:26	X																									
CCB 600-124343/80	1		12:27	X																									
ZZZZZZ			12:27																										
ZZZZZZ			12:28																										
600-84456-1	100	T	12:29	X																									
600-84456-3	250	T	12:29	X																									
600-84456-6	250	T	12:30	X																									
ZZZZZZ			12:31																										
ZZZZZZ			12:31																										
ZZZZZZ			12:32																										
600-84456-11	250	T	12:32	X																									
600-84456-11 MS	250	T	12:33	X																									
CCV 600-124343/91	1		12:34	X																									
CCB 600-124343/92	1		12:34	X																									
600-84456-11 MSD	250	T	12:35	X																									
CCV 600-124343/94	1		12:36	X																									
CCB 600-124343/95	1		12:36	X																									
CCV 600-124343/96	1		14:40	X																									
CCB 600-124343/97	1		14:41	X																									
ZZZZZZ			14:41																										
600-84456-2 MS	1	T	14:42	X																									
600-84456-2 MSD	1	T	14:43	X																									
ZZZZZZ			14:43																										
ZZZZZZ			14:44																										
ZZZZZZ			14:44																										
ZZZZZZ			14:45																										
ZZZZZZ			14:46																										
ZZZZZZ			14:46																										
ZZZZZZ			14:47																										
CCV 600-124343/108	1		14:48	X																									
CCB 600-124343/109	1		14:48	X																									
ZZZZZZ			14:49																										
ZZZZZZ			14:49																										
ZZZZZZ			14:50																										
ZZZZZZ			14:51																										
ZZZZZZ			14:51																										
ZZZZZZ			14:56																										
ZZZZZZ			14:57																										
ZZZZZZ			14:59																										

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: WC05 Analysis Method: 353.2

Start Date: 01/03/2014 11:21 End Date: 01/03/2014 15:09

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				N N O 3 2																									
ZZZZZZ			15:00																										
ZZZZZZ			15:00																										
CCV 600-124343/120			15:01																										
CCB 600-124343/121			15:02																										
ZZZZZZ			15:02																										
ZZZZZZ			15:03																										
ZZZZZZ			15:03																										
ZZZZZZ			15:04																										
ZZZZZZ			15:05																										
ZZZZZZ			15:05																										
ZZZZZZ			15:06																										
ZZZZZZ			15:07																										
ZZZZZZ			15:07																										
ZZZZZZ			15:08																										
CCV 600-124343/132			15:08																										
CCB 600-124343/133			15:09																										

Prep Types: _____
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: WC05 Analysis Method: 9012
 Start Date: 12/31/2013 15:10 End Date: 12/31/2013 15:10

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				C N R e a c																									
MB 600-124016/1-A	1	T	15:10	X																									
LCS 600-124016/2-A ^20	20	T	15:10	X																									
ZZZZZZ			15:10																										
ZZZZZZ			15:10																										
600-84456-4	1	T	15:10	X																									
ZZZZZZ			15:10																										
ZZZZZZ			15:10																										
ZZZZZZ			15:10																										

Prep Types: _____
 T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: NOEQUIP Analysis Method: 9034
 Start Date: 12/31/2013 14:45 End Date: 12/31/2013 14:45

Lab Sample Id	D/F	T Y P e	Time	Analytes																									
				S 2 R e a c																									
MB 600-124016/1-A	1	T	14:45	X																									
LCS 600-124016/2-A	1	T	14:45	X																									
ZZZZZZ			14:45																										
ZZZZZZ			14:45																										
ZZZZZZ			14:45																										
ZZZZZZ			14:45																										
ZZZZZZ			14:45																										
600-84456-4	1	T	14:45	X																									
ZZZZZZ			14:45																										
ZZZZZZ			14:45																										
ZZZZZZ			14:45																										

Prep Types: _____
 T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: 1010

Start Date: 12/31/2013 12:00 End Date: 12/31/2013 12:00

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				F P																									
MB 600-124048/1	1	T	12:00	X																									
LCS 600-124048/2	1	T	12:00	X																									
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
600-84456-4	1	T	12:00	X																									
CCV 600-124048/9	1		12:00	X																									
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
ZZZZZZ			12:00																										
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Prep Types: _____
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: WC11 Analysis Method: 300.0
 Start Date: 12/24/2013 10:15 End Date: 12/24/2013 13:37

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				C L -	S O 4																								
ICV 600-124058/1	1		10:15	X	X																								
ICB 600-124058/2	1		10:31	X	X																								
MB 600-124058/3	1	T	10:46	X	X																								
LCS 600-124058/4	1	T	11:02	X	X																								
ZZZZZZ			11:17																										
ZZZZZZ			11:33																										
ZZZZZZ			11:48																										
ZZZZZZ			12:04																										
ZZZZZZ			12:19																										
ZZZZZZ			12:35																										
600-84456-4	200	T	12:50		X																								
ZZZZZZ			13:06																										
CCV 600-124058/13	1		13:21	X	X																								
CCB 600-124058/14	1		13:37	X	X																								

Prep Types: _____
 T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: WC16 Analysis Method: 300.0
 Start Date: 12/23/2013 16:12 End Date: 12/24/2013 00:03

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				C L - 4	S O																								
ICV 600-123582/1	1		16:12	X	X																								
ICB 600-123582/2	1		16:27	X	X																								
MB 600-123582/3	1	T	17:20	X	X																								
LCS 600-123582/4	1	T	17:35	X	X																								
ZZZZZZ			17:51																										
ZZZZZZ			18:06																										
ZZZZZZ			18:22																										
ZZZZZZ			18:37																										
ZZZZZZ			18:53																										
ZZZZZZ			19:08																										
ZZZZZZ			19:24																										
600-84456-4	100	T	19:39	X																									
CCV 600-123582/13	1		19:55	X	X																								
CCB 600-123582/14	1		20:10	X	X																								
ZZZZZZ			20:26																										
ZZZZZZ			20:41																										
ZZZZZZ			20:57																										
ZZZZZZ			21:12																										
ZZZZZZ			21:28																										
ZZZZZZ			21:43																										
ZZZZZZ			21:59																										
ZZZZZZ			22:14																										
ZZZZZZ			22:30																										
ZZZZZZ			22:45																										
CCV 600-123582/25			23:01																										
CCB 600-123582/26			23:16																										
ZZZZZZ			23:32																										
CCV 600-123582/28			23:47																										
CCB 600-123582/29			00:03																										

Prep Types: _____
 T = Total/NA

Lab Name:	TestAmerica Houston	Job No.:	600-84456-1
SDG No.:			
Instrument ID:	NOEQUIP	Analysis Method:	9040B
Start Date:	12/23/2013 15:00	End Date:	12/23/2013 15:00

[illegible]

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: NOEQUIP Analysis Method: SM 2320B
 Start Date: 12/31/2013 08:13 End Date: 12/31/2013 08:13

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				A l k	A l k	B L P h e	C K C	O A l k																					
MB 600-124007/1	1	T	08:13	X	X	X	X	X																					
LCS 600-124007/2	1	T	08:13	X	X	X	X	X																					
ZZZZZZ			08:13																										
ZZZZZZ			08:13																										
ZZZZZZ			08:13																										
ZZZZZZ			08:13																										
600-84456-4	1	T	08:13	X	X	X	X	X																					
ZZZZZZ			08:13																										
ZZZZZZ			08:13																										
ZZZZZZ			08:13																										
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ZZZZZZ			08:13																										

Prep Types: _____
 T = Total/NA

Lab Name:	TestAmerica Houston	Job No.:	600-84456-1
SDG No.:			
Instrument ID:	NOEQUIP	Analysis Method:	SM 2540C
Start Date:	12/23/2013 14:41	End Date:	12/23/2013 15:01

Lab Sample Id	D/F	T y p e	Time	Analytes																											
				T D S																											
ZZZZZZ			14:41																												
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Instrument ID: NOEQUIP Analysis Method: SM 2540C

Start Date: 12/23/2013 14:41 End Date: 12/23/2013 15:01

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				T D S																									
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
MB 600-123544/49	1	T	14:41	X																									
LCS 600-123544/50	1	T	14:41	X																									
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
ZZZZZZ			14:41																										
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ZZZZZZ			14:41																										
ZZZZZZ			15:01																										
600-84456-4	1	T	15:01	X																									

Prep Types: _____
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-84456-1
 SDG No.: _____
 Instrument ID: NOEQUIP Analysis Method: SM 2540C
 Start Date: 12/26/2013 13:39 End Date: 12/26/2013 13:39

Lab Sample Id	D/F	T y p e	Time	Analytes																										
				T D S																										
MB 600-123710/1	1	T	13:39	X																										
LCS 600-123710/2	1	T	13:39	X																										
ZZZZZZ			13:39																											
600-84456-4 DU	1	T	13:39	X																										
ZZZZZZ			13:39																											
ZZZZZZ			13:39																											
ZZZZZZ			13:39																											
ZZZZZZ			13:39																											

Prep Types: _____
 T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124343 Batch Start Date: 01/03/14 11:21 Batch Analyst: Daniel, Kevin RBatch Method: 353.2 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WETSICCN03 00010	WETSICIN03 00009		
ICV 600-124343/7		353.2		5 mL	5 mL		0.005 mL		
ICB 600-124343/8		353.2		5 mL	5 mL				
MB 600-124343/10		353.2		5 mL	5 mL				
LCS 600-124343/11		353.2		5 mL	5 mL	0.005 mL			
600-84456-A-1	BlancoSouth-MW13 -12182013	353.2	T	5 mL	5 mL				
CCV 600-124343/19		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/20		353.2		5 mL	5 mL				
600-84456-A-2	BlancoSouth-EquB lank03-12182013	353.2	T	5 mL	5 mL				
600-84456-A-2	BlancoSouth-EquB lank03-12182013	353.2	T	5 mL	5 mL	0.005 mL			
MS 600-84456-A-2	BlancoSouth-EquB lank03-12182013	353.2	T	5 mL	5 mL	0.005 mL			
MSD 600-84456-A-3	BlancoSouth-MW15 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-5	BlancoSouth-MW08 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-6 ^50	BlancoSouth-MW06 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-7 ^50	BlancoSouth-MW30 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-8 ^100	BlancoSouth-MW05 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-9 ^100	BlancoSouth-MW29 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-10 ^100	BlancoSouth-MW28 -12182013	353.2	T	5 mL	5 mL				
CCV 600-124343/31		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/32		353.2		5 mL	5 mL				
600-84456-A-11	BlancoSouth-MW12 -12182013	353.2	T	5 mL	5 mL				
MS 600-84456-A-11	BlancoSouth-MW12 -12182013	353.2	T	5 mL	5 mL	0.005 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.

353.2

Page 1 of 3

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124343 Batch Start Date: 01/03/14 11:21 Batch Analyst: Daniel, Kevin RBatch Method: 353.2 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WETSICCN03 00010	WETSICIN03 00009		
600-84456-A-11 MSD	BlancoSouth-MW12 -12182013	353.2	T	5 mL	5 mL	0.005 mL			
600-84456-A-12	BlancoSouth-EquB lank02-12182013	353.2	T	5 mL	5 mL				
CCV 600-124343/43		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/44		353.2		5 mL	5 mL				
CCV 600-124343/79		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/80		353.2		5 mL	5 mL				
600-84456-A-1 ^100	BlancoSouth-MW13 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-3 ^250	BlancoSouth-MW15 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-6 ^250	BlancoSouth-MW06 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-7 ^100	BlancoSouth-MW30 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-8 ^250	BlancoSouth-MW05 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-11 ^250	BlancoSouth-MW12 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-11 MS ^250	BlancoSouth-MW12 -12182013	353.2	T	5 mL	5 mL	0.005 mL			
CCV 600-124343/91		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/92		353.2		5 mL	5 mL				
600-84456-A-11 MSD ^250	BlancoSouth-MW12 -12182013	353.2	T	5 mL	5 mL	0.005 mL			
CCV 600-124343/94		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/95		353.2		5 mL	5 mL				
CCV 600-124343/96		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/97		353.2		5 mL	5 mL				
600-84456-A-2	BlancoSouth-EquB lank03-12182013	353.2	T	5 mL	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.

353.2

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124343 Batch Start Date: 01/03/14 11:21 Batch Analyst: Daniel, Kevin RBatch Method: 353.2 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WETSICCN03 00010	WETSICIN03 00009		
600-84456-A-2 MS	BlancoSouth-EquB lank03-12182013	353.2	T	5 mL	5 mL	0.005 mL			
600-84456-A-2 MSD	BlancoSouth-EquB lank03-12182013	353.2	T	5 mL	5 mL	0.005 mL			
600-84456-A-5	BlancoSouth-MW08 -12182013	353.2	T	5 mL	5 mL				
600-84456-A-10 ^100	BlancoSouth-MW28 -12182013	353.2	T	5 mL	5 mL				
CCV 600-124343/108		353.2		5 mL	5 mL	0.005 mL			
CCB 600-124343/109		353.2		5 mL	5 mL				

Batch Notes	

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.

353.2

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124016 Batch Start Date: 12/31/13 07:40 Batch Analyst: Boza, Michael JBatch Method: 7.3.4 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Sulfide Std. 00396	WETRCYANID 00029		
MB 600-124016/1		7.3.4, 9012		10 mL	250 mL				
LCS 600-124016/2		7.3.4, 9012		10 mL	250 mL	10 mL	10 mL		
600-84456-H-4	BlancoSouth-IDW- 12182013	7.3.4, 9012	T	10 mL	250 mL				

Batch Notes	

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124067 Batch Start Date: 12/31/13 15:10 Batch Analyst: Daniel, Kevin RBatch Method: 9012 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 600-124016/1-A		9012		5 mL	5 mL				
LCS 600-124016/2-A ^20		9012		5 mL	5 mL				
600-84456-H-4-A	BlancoSouth-IDW- 12182013	9012	T	5 mL	5 mL				

Batch Notes	

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124016 Batch Start Date: 12/31/13 07:40 Batch Analyst: Boza, Michael JBatch Method: 7.3.4 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Sulfide Std. 00396	WETRCYANID 00029		
MB 600-124016/1		7.3.4, 9034		10 mL	250 mL				
LCS 600-124016/2		7.3.4, 9034		10 mL	250 mL	10 mL	10 mL		
600-84456-H-4	BlancoSouth-IDW- 12182013	7.3.4, 9034	T	10 mL	250 mL				

Batch Notes	

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124048 Batch Start Date: 12/31/13 12:00 Batch Analyst: Boza, Michael JBatch Method: 1010 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	WETRPXYLEN 00010					
LCS 600-124048/2		1010		60 mL					
CCV 600-124048/9		1010		60 mL					

Batch Notes	
Barometric Pressure at Time of Analysis	770
ID number of the thermometer	597

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123582 Batch Start Date: 12/23/13 16:12 Batch Analyst: Watson, Don ABatch Method: 300.0 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CCV 00023	ICV/LCS 00026		
ICV 600-123582/1		300.0		5 mL	5 mL		5 mL		
ICB 600-123582/2		300.0		5 mL	5 mL				
MB 600-123582/3		300.0		5 mL	5 mL				
LCS 600-123582/4		300.0		5 mL	5 mL		5 mL		
600-84456-D-4	BlancoSouth-IDW- 12182013	300.0	T	5 mL	5 mL				
CCV 600-123582/13		300.0		5 mL	5 mL	5 mL			
CCB 600-123582/14		300.0		5 mL	5 mL				

Batch Notes	

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.

300.0

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124058 Batch Start Date: 12/24/13 10:15 Batch Analyst: Grimm, Brandon DBatch Method: 300.0 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CCV 00023	ICV/LCS 00026		
ICV 600-124058/1		300.0		5 mL	5 mL		# mL		
ICB 600-124058/2		300.0		5 mL	5 mL				
MB 600-124058/3		300.0		5 mL	5 mL				
LCS 600-124058/4		300.0		5 mL	5 mL		# mL		
600-84456-D-4	BlancoSouth-IDW- 12182013	300.0	T	5 mL	5 mL				
CCV 600-124058/13		300.0		5 mL	5 mL	# mL			
CCB 600-124058/14		300.0		5 mL	5 mL				

Batch Notes	

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.

300.0

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123560 Batch Start Date: 12/23/13 15:00 Batch Analyst: Boza, Michael JBatch Method: 9040B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	SampleTemp	pHread1	CalcMsg	Buffer pH 13 00001	WETRP7BUF 00020
LCS 600-123560/1		9040B		50 mL	19.2 Celsius	7.02 SU	pH = Read 1		50 mL
600-84456-H-4	BlancoSouth-IDW- 12182013	9040B	T	50 mL	19.1 Celsius	7.05 SU	pH = Read 1		
CCV 600-123560/13		9040B		50 mL	19.4 Celsius	13.02 SU	pH = Read 1	50 mL	

Batch Notes	

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.

9040B

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 124007 Batch Start Date: 12/31/13 08:13 Batch Analyst: Cemer, SejfudinBatch Method: SM 2320B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	Initial pH	BuretStart1	BuretStop1	TitrantVolume1	BuretStart2
MB 600-124007/1		SM 2320B		100 mL	5.72 SU	0 mL	0 mL	0 mL	0 mL
LCS 600-124007/2		SM 2320B		5 mL	10.50 SU	0 mL	0 mL	0 mL	0 mL
600-84456-D-4	BlancoSouth-IDW-12182013	SM 2320B	T	50 mL	7.62 SU	0 mL	0 mL	0 mL	0 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	BuretStop2	TitrantVolume2	CalcMsg	carb	hydr	bCarb
MB 600-124007/1		SM 2320B		0.1 mL	0.1 mL	Case 1	0 mg/L	0 mg/L	0.928535 mg/L
LCS 600-124007/2		SM 2320B		5.2 mL	5.2 mL	Case 1	0 mg/L	0 mg/L	48.28382 mg/L
600-84456-D-4	BlancoSouth-IDW-12182013	SM 2320B	T	33.8 mL	33.8 mL	Case 1	0 mg/L	0 mg/L	313.84483 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	pAlk	tAlk	FinalAmount	WETSNACO3L 00020		
MB 600-124007/1		SM 2320B		0 mg/L	0.928535 mg/L	100 mL			
LCS 600-124007/2		SM 2320B		0 mg/L	48.28382 mg/L	100 mL	5 mL		
600-84456-D-4	BlancoSouth-IDW-12182013	SM 2320B	T	0 mg/L	313.84483 mg/L	100 mL			

Batch Notes	
Nominal Amount Used	100 mL
Normality of first Titrant	0.0185707 N

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.

SM 2320B

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123544 Batch Start Date: 12/23/13 14:41 Batch Analyst: Stephney, Amy YBatch Method: SM 2540C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 600-123544/49		SM 2540C			100 mL	130.5617 g	130.5622 g	130.5622 g	0 g
LCS 600-123544/50		SM 2540C			100 mL	104.1069 g	104.2947 g	104.2947 g	0 g
600-84456-A-4	BlancoSouth-IDW-12182013	SM 2540C	T	9025 umhos/cm	25 mL	131.9257 g	132.1221 g	132.1223 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	Residue	Residue2	FinalAmount	TDSILCS 00069	
MB 600-123544/49		SM 2540C		PASS_D No Unit	0.00050 g	0.00050 g	100 mL		
LCS 600-123544/50		SM 2540C		PASS_D No Unit	0.18780 g	0.18780 g	100 mL	100 mL	
600-84456-A-4	BlancoSouth-IDW-12182013	SM 2540C	T	PASS_D No Unit	0.19640 g	0.19660 g	100 mL		

Batch Notes	
Nominal Amount Used	100 mL

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.

SM 2540C

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-84456-1

SDG No.: _____

Batch Number: 123710 Batch Start Date: 12/26/13 13:39 Batch Analyst: Stephney, Amy YBatch Method: SM 2540C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 600-123710/1		SM 2540C			100 mL	101.7433 g	101.7437 g	101.7437 g	0 g
LCS 600-123710/2		SM 2540C			100 mL	127.4947 g	127.6775 g	127.6775 g	0 g
600-84456-D-4	BlancoSouth-IDW-12182013	SM 2540C	T	9450 umhos/cm	25 mL	131.8756 g	132.0724 g	132.0725 g	0 g
600-84456-D-4 DU	BlancoSouth-IDW-12182013	SM 2540C	T	9450 umhos/cm	25 mL	125.4848 g	125.6802 g	125.6803 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	Residue	Residue2	FinalAmount	TDSILCS 00069	
MB 600-123710/1		SM 2540C		PASS_D No Unit	0.00040 g	0.00040 g	100 mL		
LCS 600-123710/2		SM 2540C		PASS_D No Unit	0.18280 g	0.18280 g	100 mL	100 mL	
600-84456-D-4	BlancoSouth-IDW-12182013	SM 2540C	T	PASS_D No Unit	0.19680 g	0.19690 g	100 mL		
600-84456-D-4 DU	BlancoSouth-IDW-12182013	SM 2540C	T	PASS_D No Unit	0.19540 g	0.19550 g	100 mL		

Batch Notes	
Nominal Amount Used	100 mL

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.

SM 2540C

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Shipping and Receiving Documents

Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

[illegible]

TestAmerica

[illegible]

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-84456-1

Login Number: 84456

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
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	5.8/4.4
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.	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.	True	
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	No analysis requiring residual chlorine check assigned.