W. Z. BAUMGARTNER & ASSOCIATES, INC.
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LETTER OF TRANSMITTAL

TO: Ms. Jaclynne Drummond Compliance Hydrogeologist NC Dept. of Environment & Natural Resources Div. Of Solid Waste Management-Solid Waste Section 1646 Mail Service Center Raleigh, NC 27699-1646	DATE: May 31, 2013 PROJECT NO. 32015 RE: OmniSource Southeast Kernersville, NC

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1	May 2013		Groundwater Monitoring Report (April 10, 2013 Sampling Event)
1	May 2013		Report on CD

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Michael E. Tant, P.E.
Vice President

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ph

OMNISOURCE SOUTHEAST LANDFILL

MONITORING NETWORK IDENTIFICATION

SAMPLED APRIL 10, 2013

Monitoring Network				
Well Location	**Type of Sample**	**Designation**	*** Northing**	*** Easting**
MW-1R	Groundwater	Up-gradient	871133.46357	1673486.66777
MW-12	Groundwater	Down-gradient	872513.56315	1675089.92711
MW-13	Groundwater	Down-gradient	873558.37519	1674779.98119
MW-14	Groundwater	Down-gradient	873544.51254	1674656.37800
SW-1	Surface Water	Up-stream / Background	** North 36° 08' 11.1"	** West 80° 05' 54.2"
SW-2	Surface Water	Down-stream	** North 36° 08' 42.8"	** West 80° 06' 3.7"

** Northing/Easting locations provided by Triad Land Surveying, P.C. based on NCGS monuments "Varco" and "TOOL", Wayne T. Sims, P.L.S., NC #3582*

** Lattitude/Longitude taken with Garmin® Model GPSmap 60CSx

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OMNISOURCE SOUTHEAST LANDFILL

GROUNDWATER ELEVATIONS

MEASURED APRIL 10, 2013

GROUNDWATER ELEVATIONS				
Well Location	**Date/Time**	**Top of Casing (Feet)**	**Static Depth to Water (Feet)**	**Water Elevation (Feet)**
MW-1R	4/10/13 09:20	988.67	36.50	952.17
MW-12	4/10/13 11:10	855.85	8.12	847.73
MW-13	4/10/13 13:25	838.45	5.61	832.84
MW-14	4/10/13 13:08	847.45	12.40	835.05

** Top of casing elevations provided by Triad Land Surveying, P.C. based on NCGS monuments "Varco" and "TOOL", Wayne T. Sims, P.L.S., NC #3582*

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GROUNDWATER MONITORING REPORT

APRIL 10, 2013
SAMPLING EVENT

OMNISOURCE SOUTHEAST LANDFILL
PERMIT: 3417-TP
KERNERSVILLE, NORTH CAROLINA

MAY 2013

W. Z. BAUMGARTNER & ASSOCIATES, INC.
Environmental Engineers & Consultants
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Franklin, TN 37068-0369

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NORTH CAROLINA PROFESSIONAL SEAL 17882 ENGINEER W. Z. BAUMGARTNER, JR.

05/09/13

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GROUNDWATER MONITORING REPORT
OMNISOURCE SOUTHEAST LANDFILL
KERNERSVILLE, NORTH CAROLINA

MAY 2013

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GROUNDWATER MONITORING REPORT
OMNISOURCE SOUTHEAST LANDFILL
KERNERSVILLE, NORTH CAROLINA

I. INTRODUCTION

Groundwater monitoring and surface water samples were collected at the Omnisource Southeast Landfill located in Kernersville, Forsyth County, North Carolina on May 10, 2013 by W.Z. Baumgartner & Associates, Inc. (WZB) personnel. The site location is displayed in **Exhibit 1**. The April sampling event was completed following the North Carolina Department of Environment and Natural Resources (NCDENR) approval of the December 2011 revision of the *Sampling and Analysis Plan for Groundwater Monitoring* submitted by WZB in September of 2011. The April event is the third sampling of the new groundwater monitoring wells and surface water locations. The monitoring network will continue to be sampled on a semiannual basis as well as during landfill closure, and until notification from NCDENR.

According to the NCDENR permitted solid waste facility list, the Omnisource Southeast Landfill (formerly Atlantic Scrap and Processing, LLC) is identified by permit number 3417-TP. This list identifies the permit status as inactive/closed with a waste type of land clearing/inert debris (LCID). The landfill was established in the early 1970's for the disposal of waste generated during the metal shredding process (shredder residue). Shredder residue consists of primarily non-metallic solid material including plastic, broken glass, rubber, foam rubber, soil and fabric.

The groundwater monitoring network originally consisted of four monitoring wells and installed in 1989 identified as MW-1, MW-2, MW-3 and MW-4. Due to possible vertical changes in water quality MW-4D was installed at a deeper screened interval, and sampled in place of MW-4 beginning in 2001. At the same time up-gradient well MW-1 was replaced with MW-1R to facilitate expanding scrap metal processing activities. The current groundwater monitoring network consists of up-gradient well MW-1R and three new wells identified as MW-12, MW-13, MW-14. Monitoring well MW-12 is located near the toe of the landfill, and MW-13 and MW-14

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are down-gradient from the landfill. The Facility map in **Exhibit 2** provides the location of the new monitoring wells as well as the former groundwater monitoring network.

In addition to the groundwater monitoring wells the network contains two surface water sampling locations identified as SW-1 and SW-2, and are upstream and downstream, respectively. **Exhibit 2** displays the location of both surface water sampling points. **Exhibit 5** contains information regarding groundwater monitoring well and surface water designation, location, elevation, and direction relative to the landfill.

II. BACKGROUND OF SITE GEOLOGY AND HYDROGEOLOGY

Information on site geology and hydrogeology has been obtained based on a past study done by S&ME, Inc. of Greensboro, North Carolina in 1992 and a Landfill Evaluation done by WZB in 1997. In addition to these historical reports the boring logs obtained during the construction of the new groundwater monitoring network provide geologic/hydrogeologic information for the site. Information obtained during the new well construction confirms that provided in historical reports.

Soils

The soil survey for Forsyth County, North Carolina shows the three major soil types on the site including the Cecil Series (CcB), the Pacolet Series (Pa), and the Wedowee-Louisburg Complex (We). These series are described as well-drained, gently sloping to strongly sloping soils on uplands with soils forming in residum that weathered granite, gneiss, schist, and other acidic rocks. In general each series consists of grayish-brown to yellowish-red sandy loam to clay loam on red clay. Soils near MW-12, MW-13, and MW-14 have a higher clay content.

Geology and Hydrogeology

Forsyth County is located entirely within the Piedmont area of North Carolina. This region is characterized by gently rolling hills which formed by defferential erosion of rocks due to local variations in resistance to weathering. The site is located in the Milton Litho-Tectonic Belt, which is made up of metamorphic and igneous rocks. Metamorphic rocks consist of biotite gneiss and schist, potassic feldspar and garnet, interlayered with calcsilicate rocks, mica schist, and amphibolite. There is some amount of erosion near MW-12 on the east slope of the landfill.

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Hydrology

The depth to groundwater at most locations encountered can be correlated with topographic position and permeability. Higher water elevations can generally be found beneath ridge lines and slopes. Lower groundwater elevations can usually be found beneath drainage swales. Minimal variations in water levels over time in monitoring wells near the marshy area (MW-3/MW-4) indicate semi-confined conditions. Water levels in this area have been recorded as below the surface elevation; therefore, the assumption can be made that the aquifer is confined.

III. GROUNDWATER ELEVATIONS AND FLOW

All water levels were recorded within a single 24 hour period before purging commenced on each well, and seemed comparable to historical measurements in the former monitoring network. Groundwater elevations at MW-12 and MW-13 were slightly higher to the levels at the October 2012 sampling event. The level in MW-1R increased almost 4 feet whereas the level in MW-13 had increased nearly 1 foot. Groundwater flow is to the Northeast, and **Exhibit 3** displays the groundwater contours for the site. Groundwater elevations found in **Exhibit 5** were calculated from the difference between the static water levels measured at each monitoring well on April 10, 2013 and the top of casing elevations surveyed by Triad Land Surveying on May 3, 2012.

IV. GROUNDWATER SAMPLING

Water quality sampling activities and analysis were completed to conform with specifications within the NCDENR Solid Waste Section Guidelines for Groundwater and Surface Water sampling as well as follow the approved WZB sampling and analysis plan. Documentation of field activities and observations can be found in **Exhibit 6**. All monitoring wells were accessible with an off-road vehicle, found to be in good condition, secured with locks, and permanent identification plates were attached on the new wells. **Table 1** lists those approved parameters of interest for the groundwater and surface water monitoring network.

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Table 1. Sampling Parameters - Groundwater Monitoring Wells and Surface Water Locations

Table 1. Sampling Parameters - Groundwater Monitoring Wells and Surface Water Locations	
Volatile Organic Compounds (VOCs) - Method SW846 8260B	
Benzene	1,1-Dichloroethene
Ethylbenzene	cis-1,2-Dichloroethene
Toluene	trans-1,2-Dichloroethene
Xylenes, total	1,3-Dichloropropane
Acetone	1,2-Dichloropropane
Bromobenzene	2,2-Dichloropropane
Bromochloromethane	cis-1,3-Dichloropropene
Bromodichloromethane	trans-1,3-Dichloropropene
Bromoform	1,1-Dichloropropene
Bromomethane	Hexachlorobutadiene
2-Butanone	2-Hexanone
sec-Butylbenzene	Isopropylbenzene
n-Butylbenzene	p-Isopropyltoluene
Tert-Butylbenzene	Methyl tert-Butyl Ether (MTBE)
Carbon disulfide	Methylene Chloride
Carbon Tetrachloride	4-Methyl-2-pentanone
Chlorobenzene	Napthalene
Chlorodibromomethane	n-Propylbenzene
Chloroethane	Styrene
Chloroform	1,1,1,2-Tetrachloroethane
Chloromethane	1,1,2,2-Tetrachloroethane
2-chlorotoluene	Tetrachloroethene
4-chlorotoluene	1,2,3-Trichlorobenzene
1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene
1,2-Dibromomethane (EDB)	1,1,1-Trichloroethane
Dibromomethane	Trichloroethene
1,4-Dichlorobenzene	1,1,2-Trichloroethane
1,3-Dichlorobenzene	Trichlorfluoromethane
1,2-Dichlorobenzene	1,2,3-Trichloropropane
Dichlorodifluoromethane	1,3,5-Trimethylbenzene
1,1-Dichloroethane	1,2,4-Trimethylbenzene
1,2-Dichloroethane	Vinyl Chloride

Table 1. Sampling Parameters - Groundwater Monitoring Wells and Surface Water Locations		
Field Parameters	**Total Metals - Method SW846 6010C**	
pH *	Lead	Antimony
Temperature *	Nickel	Arsenic
Specific Conductivity *	Selenium	Barium
Turbidity *	Silver	Beryllium
Water Elevations *	Thalium	Cadmium
Color and Sheen *	Vanadium	Chromium
	Zinc	Cobalt
		Copper

* measured prior to sampling

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IV. GROUNDWATER SAMPLING RESULTS

Barium concentrations were detected in each monitoring well and surface water location below the North Carolina standard of 0.7 mg/L with levels similar to those identified at the past two sampling events. The Field Blank was conducted during sampling MW-13 and MW-14. Selenium was detected in these monitoring wells and the Field Blank sample which may indicate some interference during sampling activites. **Table 2** summarizes other parameters detected below the NCDENR standards.

Table 2 Analytical Detection Summary

Parameter	Location	SW846 Method	Unit	GW Quality Standard	Exceeds Standard	Previously Detected
Benzene	SW-2, MW-12	8260B	µg/L	1	No	Yes
Acetone	SW-2	8260B	µg/L	6000	No	Yes
Isopropylbenzene	SW-2	8260B	µg/L	70	No	Yes
MTBE	SW-2, MW-12	8260B	µg/L	20	No	Yes
Styrene	MW-1R	8260B	µg/L	70	No	No
Tetrachloroethene	MW-12	8260B	µg/L	0.7	No	Yes
Chromium	SW-1, SW-2, MW-1R	6010C	mg/L	0.01	No	At MW-1R
Cobalt	MW-12, MW-13, MW-14	6010C	mg/L	Not listed		Yes
Copper	MW-1R	6010C	mg/L	1	No	No
Lead	MW-1R	6010C	mg/L	0.015	No	Yes
Nickel	SW-2, MW-12	6010C	mg/L	0.1	No	Yes
Zinc	SW-2	6010C	mg/L	1	No	Yes

Several results indicate Volatile Organic Compounds (VOCs) and metals were detected in groundwater monitoring well and surface water locations at concentrations above minimum detection limits and below each respective reportable limit; therefore, these concentrations are approximate values. No result exceeded a NC groundwater standard. **Exhibit 4** contains a table of all analytical results from this event as well as previous results.

Turbidity measurements were low at all sampling locations except MW-1R; however, the sample was less turbid than previous sampling events. The pH reading in MW-1R was

W Z B

very basic which is consistent with historical data. Acidic pH readings were recorded in monitoring wells MW-12, MW-13, and MW-14 most likely due to the geology of the site. **Exhibit 6** contains field parameters and results of purging activities. No sheen was present in any groundwater or surface water samples, and other physical characteristics are noted in the field sheets.

The TestAmerica, Inc. (NC Certification 387) analytical report can be found in **Appendix A**. Field Quality Control samples detected parameters of interest mentioned above as well as Chloroform in both the Field blank and Trip Blank. Chloroform was not associated with any Groundwater or Surfacewater samples. An electronic data deliverable (EDD) will be submitted with an electronic copy of this report.

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EXHIBIT 1

SITE LOCATION MAP

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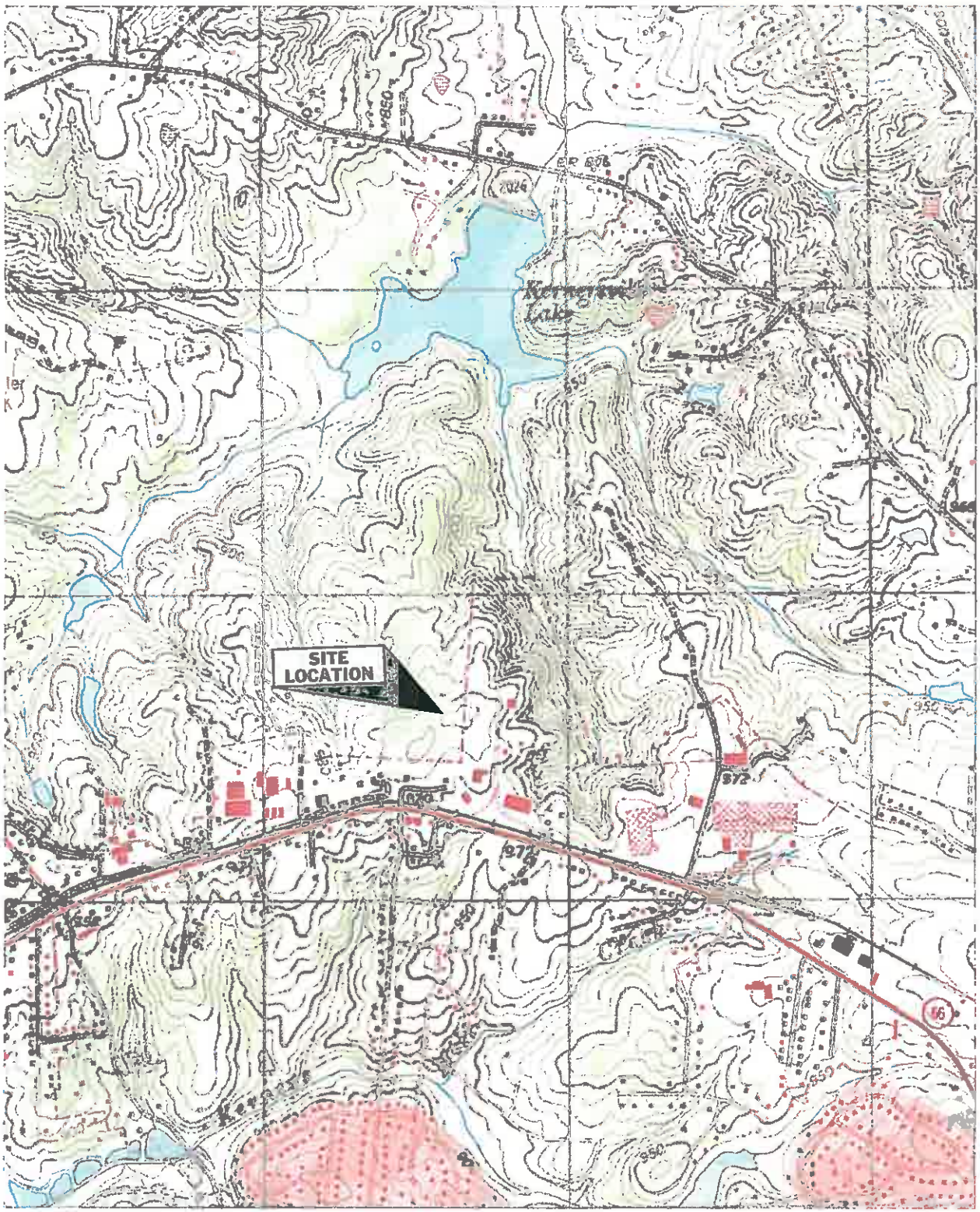

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615-595-0025

SITE LOCATION MAP

OMNI SOURCE SOUTHEAST

KERNERSVILLE, NORTH CAROLINA

N

USGS MAP(S)
KERNERSVILLE, NORTH CAROLINA
BELEW, NORTH CAROLINA

LAT. 36° 08' 18" N
LONG. 80° 06' 08" W
Scale:1"=2000'

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EXHIBIT 2

FACILITY MAP

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SURVEY DATA FOR MW'S WAS TAKEN BY TRIAD LAND SURVEYING,P.C.
SURVEY DATA BASED ON NCGS MONUMENTS "VARCO" & "TOOL".

NO.	REVISIONS	DATE	ENGR
1	ADDED SURVEY INFORMATION FOR MONITORING WELLS	5/8/2012	MET

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

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FRANKLIN, TENNESSEE
615-595-0025

SEAL:

DRAWN BY: DMP
CHECKED BY: MET
ENGINEER: WZB
DATE: 5/6/2013

FACILITY MAP

OMNISOURCE SOUTHEAST
KERNERSVILLE, NORTH CAROLINA

SCALE: NTS
PROJECT NO.: 32015
EXHIBIT NO: 2

EXHIBIT 3

GROUNDWATER CONTOUR MAP

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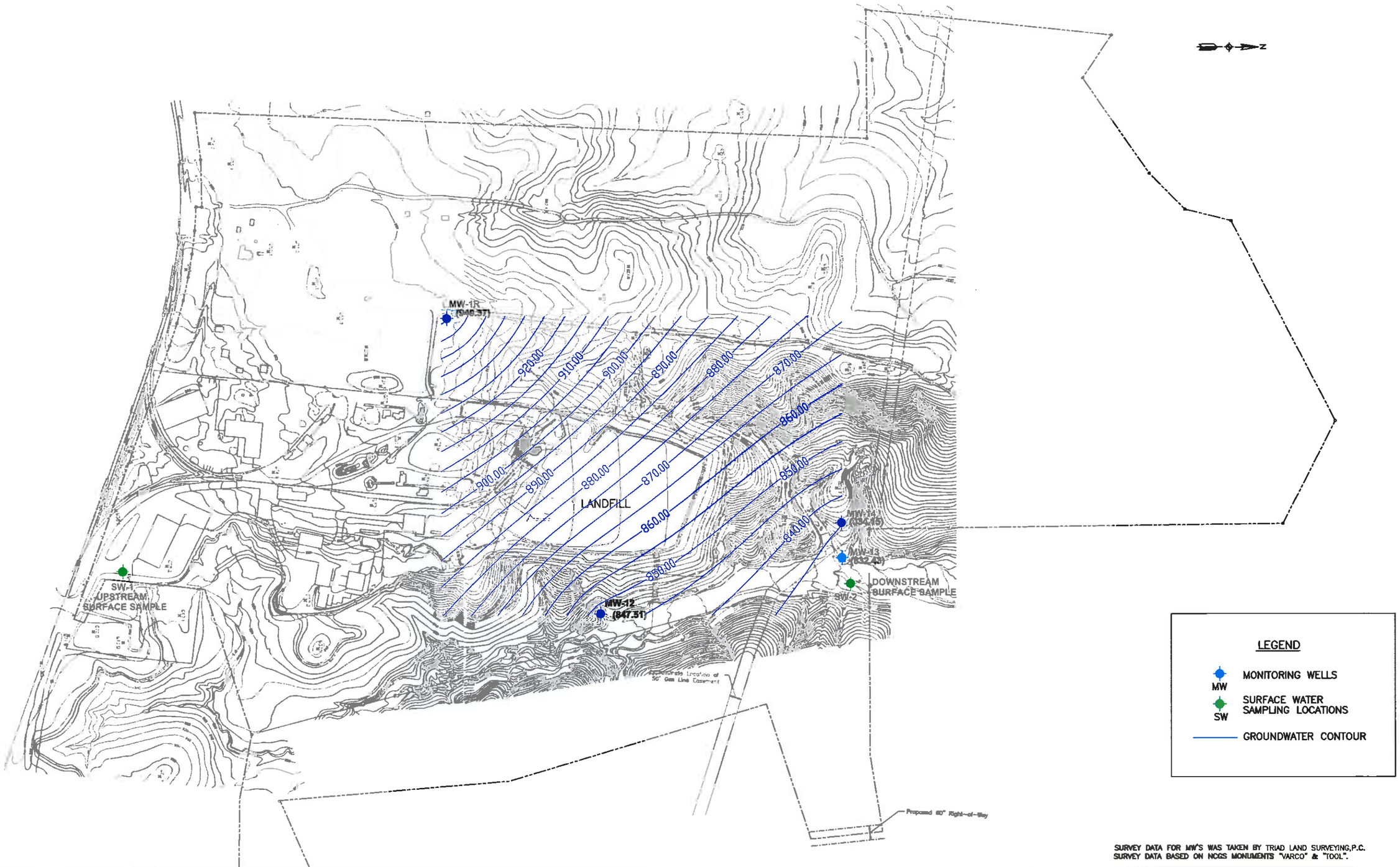

SURVEY DATA FOR MW'S WAS TAKEN BY TRIAD LAND SURVEYING,P.C.
SURVEY DATA BASED ON NCGS MONUMENTS "VARCO" & "TOOL".

NO.		DATE	ENGR
1			

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SEAL:

DRAWN BY: DMP
CHECKED BY: MET
ENGINEER: WZB
DATE: 5/6/13

GROUNDWATER CONTOUR MAP 4/10/2013

OMNISOURCE SOUTHEAST
KERNERSVILLE, NC

SCALE: NTS
PROJECT NO.: 32015
EXHIBIT NO: 3

EXHIBIT 4

GROUNDWATER SAMPLING RESULTS

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GROUND WATER RESULTS TABULATION

OMNISOURCE SOUTHEAST LANDFILL **SAMPLE DATE: APRIL 10, 2013**

MCL - North Carolina Groundwater Standards (January 1, 2010)

Field Parameters	Method	Units	MCL	SW-1	SW-2	MW-1R	MW-12	MW-13	MW-14
Groundwater Elevation		Feet NCGS				952.17	847.73	832.84	835.05
pH		pH Units		7.36	6.24	10.94	5.68	6.08	5.54
Conductivity		µS/cm		63	277	160	213	334	104
Turbidity		NTU		3.42	13.2	30.8	2.63	10.2	4.35
Temperature		^{0}C		20.1	20.5	15.3	13.7	14.4	15.3
Volatile Organic Compounds (VOCs)									
Benzene	SW846 8260B	µg/L	1	ND	0.369	ND	0.365	ND	ND
Ethylbenzene	SW846 8260B	µg/L	600	ND	ND	ND	ND	ND	ND
Toluene	SW846 8260B	µg/L	600	ND	ND	ND	ND	ND	ND
Xylenes, total	SW846 8260B	µg/L	500	ND	ND	ND	ND	ND	ND
Acetone	SW846 8260B	µg/L	6000	ND	8.34	ND	ND	ND	ND
Carbon disulfide	SW846 8260B	µg/L		ND	ND	ND	ND	ND	ND
Chloroform	SW846 8260B	µg/L	70	ND	ND	ND	ND	ND	ND
Isopropylbenzene	SW846 8260B	µg/L	70	ND	0.392	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	SW846 8260B	µg/L	20	ND	1.02	ND	0.359	ND	ND
Napthalene	SW846 8260B	µg/L	6	ND	ND	ND	ND	ND	ND
Styrene	SW846 8260B	µg/L	70	ND	ND	0.515	ND	ND	ND
Tetrachloroethene	SW846 8260B	µg/L	0.7	ND	ND	ND	0.252	ND	ND
METALS									
Antimony	SW846 6010C	mg/L		ND	ND	ND	ND	ND	ND
Arsenic	SW846 6010C	mg/L	0.01	ND	ND	ND	ND	ND	ND
Barium	SW846 6010C	mg/L	0.7	0.0443	0.0842	0.0269	0.166	0.0275	0.0982
Beryllium	SW846 6010C	mg/L		ND	ND	ND	ND	ND	0.0011
Cadmium	SW846 6010C	mg/L	0.002	ND	ND	ND	ND	ND	ND
Chromium	SW846 6010C	mg/L	0.01	0.0016	0.0021	0.0023	ND	ND	ND
Cobalt	SW846 6010C	mg/L		ND	ND	ND	0.0019	0.0028	0.0038
Copper	SW846 6010C	mg/L	1	ND	ND	0.0088	ND	ND	ND
Lead	SW846 6010C	mg/L	0.015	ND	ND	0.0042	ND	ND	ND
Nickel	SW846 6010C	mg/L	0.1	ND	0.0051	ND	0.0029	ND	ND
Selenium	SW846 6010C	mg/L	0.02	ND	ND	ND	ND	0.0062	0.0049
Silver	SW846 6010C	mg/L	0.02	ND	ND	ND	ND	ND	ND
Thalium	SW846 6010C	mg/L		ND	ND	ND	ND	ND	ND
Vanadium	SW846 6010C	mg/L		ND	ND	ND	ND	ND	ND
Zinc	SW846 6010C	mg/L	1	ND	0.0294	ND	ND	ND	ND

ND - Non Detect

SURFACE WATER RESULTS TABULATION SW-1

OMNISOURCE SOUTHEAST LANDFILL

MCL - North Carolina Groundwater Standards (January 1, 2010)

Field Parameters	Method	Units	MCL	4/12/12	10/10/12	4/10/13
Water Elevation		Feet NCGS				
pH		pH Units		6.34	5.8	7.36
Conductivity		µS/cm		77	66	63
Turbidity		NTU		8.54	5.01	3.42
Temperature		^{0}C		15.8	16.7	20.1
Volatile Organic Compounds (VOCs)						
Benzene	SW846 8260B	µg/L	1	ND	ND	ND
Ethylbenzene	SW846 8260B	µg/L	600	ND	ND	ND
Toluene	SW846 8260B	µg/L	600	ND	ND	ND
Xylenes, total	SW846 8260B	µg/L	500	ND	ND	ND
Acetone	SW846 8260B	µg/L	6000	ND	ND	ND
Carbon disulfide	SW846 8260B	µg/L		ND	ND	ND
Chloroform	SW846 8260B	µg/L	70	ND	ND	ND
Isopropylbenzene	SW846 8260B	µg/L	70	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	SW846 8260B	µg/L	20	ND	ND	ND
Napthalene	SW846 8260B	µg/L	6	ND	ND	ND
Styrene	SW846 8260B	µg/L	70	ND	ND	ND
Tetrachloroethene	SW846 8260B	µg/L	0.7	ND	ND	ND
METALS						
Antimony	SW846 6010C	mg/L		ND	ND	ND
Arsenic	SW846 6010C	mg/L	0.01	ND	ND	ND
Barium	SW846 6010C	mg/L	0.7	0.0524	0.0526	0.0443
Beryllium	SW846 6010C	mg/L		ND	ND	ND
Cadmium	SW846 6010C	mg/L	0.002	ND	ND	ND
Chromium	SW846 6010C	mg/L	0.01	ND	ND	0.0016
Cobalt	SW846 6010C	mg/L		ND	ND	ND
Copper	SW846 6010C	mg/L	1	ND	0.0118	ND
Lead	SW846 6010C	mg/L	0.015	ND	ND	ND
Nickel	SW846 6010C	mg/L	0.1	ND	ND	ND
Selenium	SW846 6010C	mg/L	0.02	ND	ND	ND
Silver	SW846 6010C	mg/L	0.02	ND	ND	ND
Thalium	SW846 6010C	mg/L		ND	ND	ND
Vanadium	SW846 6010C	mg/L		ND	ND	ND
Zinc	SW846 6010C	mg/L	1	ND	0.051	ND

ND - Non Detect

SURFACE WATER RESULTS TABULATION SW-2
OMNISOURCE SOUTHEAST LANDFILL
MCL - North Caroline Groundwater Standards (January 1, 2010)

Field Parameters	Method	Units	MCL	4/12/12	10/10/12	4/10/13
Water Elevation		Feet NCGS				
pH		pH Units		6.71	7.8	6.24
Conductivity		µS/cm		366	464	277
Turbidity		NTU		10.2	13.8	13.2
Temperature		^{0}C		16.6	17.5	20.5
Volatile Organic Compounds (VOCs)						
Benzene	SW846 8260B	µg/L	1	ND	0.509	0.369
Ethylbenzene	SW846 8260B	µg/L	600	ND	ND	ND
Toluene	SW846 8260B	µg/L	600	ND	0.257	ND
Xylenes, total	SW846 8260B	µg/L	500	ND	ND	ND
Acetone	SW846 8260B	µg/L	6000	ND	2.88	8.34
Carbon disulfide	SW846 8260B	µg/L		ND	ND	ND
Chloroform	SW846 8260B	µg/L	70	ND	ND	ND
Isopropylbenzene	SW846 8260B	µg/L	70	ND	0.42	0.392
Methyl tert-Butyl Ether (MTBE)	SW846 8260B	µg/L	20	ND	1.29	1.02
Napthalene	SW846 8260B	µg/L	6	ND	ND	ND
Styrene	SW846 8260B	µg/L	70	ND	ND	ND
Tetrachloroethene	SW846 8260B	µg/L	0.7	ND	ND	ND
METALS						
Antimony	SW846 6010C	mg/L		ND	ND	ND
Arsenic	SW846 6010C	mg/L	0.01	ND	0.0069	ND
Barium	SW846 6010C	mg/L	0.7	0.0791	0.0874	0.0842
Beryllium	SW846 6010C	mg/L		ND	ND	ND
Cadmium	SW846 6010C	mg/L	0.002	ND	ND	ND
Chromium	SW846 6010C	mg/L	0.01	ND	ND	0.0021
Cobalt	SW846 6010C	mg/L		ND	0.001	ND
Copper	SW846 6010C	mg/L	1	ND	0.0135	ND
Lead	SW846 6010C	mg/L	0.015	ND	ND	ND
Nickel	SW846 6010C	mg/L	0.1	ND	0.0076	0.0051
Selenium	SW846 6010C	mg/L	0.02	ND	ND	ND
Silver	SW846 6010C	mg/L	0.02	ND	ND	ND
Thalium	SW846 6010C	mg/L		ND	ND	ND
Vanadium	SW846 6010C	mg/L		ND	ND	ND
Zinc	SW846 6010C	mg/L	1	ND	0.0242	0.0294

ND - Non Detect

GROUNDWATER RESULTS TABULATION MW-1R
OMNISOURCE SOUTHEAST LANDFILL
MCL - North Carolina Groundwater Standards (January 1, 2010)

Field Parameters	Method	Units	MCL	4/12/12	10/10/12	4/10/13
Water Elevation		Feet NCGS		950.2	948.37	952.17
pH		pH Units		11.33	12.05	10.94
Conductivity		µS/cm		632	314	160
Turbidity		NTU		55.9	69	30.8
Temperature		^{0}C		14.8	17.9	15.3
Volatile Organic Compounds (VOCs)						
Benzene	SW846 8260B	µg/L	1	ND	ND	ND
Ethylbenzene	SW846 8260B	µg/L	600	ND	ND	ND
Toluene	SW846 8260B	µg/L	600	ND	ND	ND
Xylenes, total	SW846 8260B	µg/L	500	ND	ND	ND
Acetone	SW846 8260B	µg/L	6000	ND	12.3	ND
Carbon disulfide	SW846 8260B	µg/L		ND	ND	ND
Chloroform	SW846 8260B	µg/L	70	ND	ND	ND
Isopropylbenzene	SW846 8260B	µg/L	70	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	SW846 8260B	µg/L	20	ND	ND	ND
Napthalene	SW846 8260B	µg/L	6	ND	ND	ND
Styrene	SW846 8260B	µg/L	70	ND	ND	0.515
Tetrachloroethene	SW846 8260B	µg/L	0.7	ND	ND	ND
METALS						
Antimony	SW846 6010C	mg/L		ND	0.0077	ND
Arsenic	SW846 6010C	mg/L	0.01	ND	0.0107	ND
Barium	SW846 6010C	mg/L	0.7	0.0415	0.0376	0.0269
Beryllium	SW846 6010C	mg/L		ND	ND	ND
Cadmium	SW846 6010C	mg/L	0.002	ND	ND	ND
Chromium	SW846 6010C	mg/L	0.01	ND	0.0025	0.0023
Cobalt	SW846 6010C	mg/L		ND	0.0007	ND
Copper	SW846 6010C	mg/L	1	ND	ND	0.0088
Lead	SW846 6010C	mg/L	0.015	ND	0.0049	0.0042
Nickel	SW846 6010C	mg/L	0.1	ND	ND	ND
Selenium	SW846 6010C	mg/L	0.02	ND	ND	ND
Silver	SW846 6010C	mg/L	0.02	ND	ND	ND
Thalium	SW846 6010C	mg/L		ND	ND	ND
Vanadium	SW846 6010C	mg/L		ND	ND	ND
Zinc	SW846 6010C	mg/L	1	ND	0.0273	ND

ND - Non Detect

GROUNDWATER RESULTS TABULATION MW-12

OMNISOURCE SOUTHEAST LANDFILL

MCL - North Carolina Groundwater Standards (January 1, 2010)

Field Parameters	Method	Units	MCL	4/12/12	10/10/12	4/10/13
Water Elevation		Feet NCGS		847.57	847.51	847.73
pH		pH Units		5.19	5.48	5.68
Conductivity		µS/cm		279	261	213
Turbidity		NTU		24.3	2.08	2.63
Temperature		^{0}C		13.4	16	13.7
Volatile Organic Compounds (VOCs)						
Benzene	SW846 8260B	µg/L	1	ND	0.406	0.365
Ethylbenzene	SW846 8260B	µg/L	600	ND	ND	ND
Toluene	SW846 8260B	µg/L	600	ND	ND	ND
Xylenes, total	SW846 8260B	µg/L	500	ND	ND	ND
Acetone	SW846 8260B	µg/L	6000	ND	20.9	ND
Carbon disulfide	SW846 8260B	µg/L		ND	ND	ND
Chloroform	SW846 8260B	µg/L	70	ND	ND	ND
Isopropylbenzene	SW846 8260B	µg/L	70	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	SW846 8260B	µg/L	20	ND	0.394	0.359
Napthalene	SW846 8260B	µg/L	6	ND	ND	ND
Styrene	SW846 8260B	µg/L	70	ND	ND	ND
Tetrachloroethene	SW846 8260B	µg/L	0.7	ND	0.319	0.252
METALS						
Antimony	SW846 6010C	mg/L		ND	ND	ND
Arsenic	SW846 6010C	mg/L	0.01	ND	ND	ND
Barium	SW846 6010C	mg/L	0.7	0.166	0.17	0.166
Beryllium	SW846 6010C	mg/L		ND	ND	ND
Cadmium	SW846 6010C	mg/L	0.002	ND	ND	ND
Chromium	SW846 6010C	mg/L	0.01	ND	ND	ND
Cobalt	SW846 6010C	mg/L		ND	0.0031	0.0019
Copper	SW846 6010C	mg/L	1	ND	ND	ND
Lead	SW846 6010C	mg/L	0.015	ND	ND	ND
Nickel	SW846 6010C	mg/L	0.1	ND	0.0023	0.0029
Selenium	SW846 6010C	mg/L	0.02	ND	ND	ND
Silver	SW846 6010C	mg/L	0.02	ND	ND	ND
Thalium	SW846 6010C	mg/L		ND	ND	ND
Vanadium	SW846 6010C	mg/L		ND	ND	ND
Zinc	SW846 6010C	mg/L	1	ND	ND	ND

ND - Non Detect

GROUNDWATER RESULTS TABULATION MW-13
OMNISOURCE SOUTHEAST LANDFILL
MCL - North Carolina Groundwater Standards (January 1, 2010)

Field Parameters	Method	Units	MCL	4/12/12	10/10/12	4/10/13
Water Elevation		Feet NCGS		829.88	832.43	832.84
pH		pH Units		5.84	5.97	6.08
Conductivity		µS/cm		447	394	334
Turbidity		NTU		93.6	11.28	10.2
Temperature		^{0}C		13.9	17	14.4
Volatile Organic Compounds (VOCs)						
Benzene	SW846 8260B	µg/L	1	ND	0.28	ND
Ethylbenzene	SW846 8260B	µg/L	600	ND	ND	ND
Toluene	SW846 8260B	µg/L	600	ND	ND	ND
Xylenes, total	SW846 8260B	µg/L	500	ND	ND	ND
Acetone	SW846 8260B	µg/L	6000	ND	ND	ND
Carbon disulfide	SW846 8260B	µg/L		ND	ND	ND
Chloroform	SW846 8260B	µg/L	70	ND	ND	ND
Isopropylbenzene	SW846 8260B	µg/L	70	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	SW846 8260B	µg/L	20	ND	ND	ND
Napthalene	SW846 8260B	µg/L	6	ND	ND	ND
Styrene	SW846 8260B	µg/L	70	ND	ND	ND
Tetrachloroethene	SW846 8260B	µg/L	0.7	ND	ND	ND
METALS						
Antimony	SW846 6010C	mg/L		ND	ND	ND
Arsenic	SW846 6010C	mg/L	0.01	ND	0.0034	ND
Barium	SW846 6010C	mg/L	0.7	0.041	0.0269	0.0275
Beryllium	SW846 6010C	mg/L		ND	ND	ND
Cadmium	SW846 6010C	mg/L	0.002	ND	ND	ND
Chromium	SW846 6010C	mg/L	0.01	ND	ND	ND
Cobalt	SW846 6010C	mg/L		ND	0.0039	0.0028
Copper	SW846 6010C	mg/L	1	ND	ND	ND
Lead	SW846 6010C	mg/L	0.015	ND	ND	ND
Nickel	SW846 6010C	mg/L	0.1	ND	ND	ND
Selenium	SW846 6010C	mg/L	0.02	ND	ND	0.0062
Silver	SW846 6010C	mg/L	0.02	ND	ND	ND
Thalium	SW846 6010C	mg/L		ND	ND	ND
Vanadium	SW846 6010C	mg/L		ND	ND	ND
Zinc	SW846 6010C	mg/L	1	ND	ND	ND

ND - Non Detect

GROUNDWATER RESULTS TABULATION MW-14
OMNISOURCE SOUTHEAST LANDFILL
MCL - North Carolina Groundwater Standards (January 1, 2010)

Field Parameters	Method	Units	MCL	4/12/12	10/10/12	4/10/13
Water Elevation		Feet NCGS		834.35	834.15	835.05
pH		pH Units		5.88	5.63	5.54
Conductivity		µS/cm		156	147	104
Turbidity		NTU		184	5.93	4.35
Temperature		^{0}C		15.2	15	15.3
Volatile Organic Compounds (VOCs)						
Benzene	SW846 8260B	µg/L	1	ND	ND	ND
Ethylbenzene	SW846 8260B	µg/L	600	ND	ND	ND
Toluene	SW846 8260B	µg/L	600	ND	ND	ND
Xylenes, total	SW846 8260B	µg/L	500	ND	ND	ND
Acetone	SW846 8260B	µg/L	6000	ND	ND	ND
Carbon disulfide	SW846 8260B	µg/L		ND	1.94	ND
Chloroform	SW846 8260B	µg/L	70	ND	ND	ND
Isopropylbenzene	SW846 8260B	µg/L	70	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	SW846 8260B	µg/L	20	ND	ND	ND
Napthalene	SW846 8260B	µg/L	6	ND	0.741	ND
Styrene	SW846 8260B	µg/L	70	ND	ND	ND
Tetrachloroethene	SW846 8260B	µg/L	0.7	ND	ND	ND
METALS						
Antimony	SW846 6010C	mg/L		ND	ND	ND
Arsenic	SW846 6010C	mg/L	0.01	ND	ND	ND
Barium	SW846 6010C	mg/L	0.7	0.118	0.107	0.0982
Beryllium	SW846 6010C	mg/L		ND	0.0011	0.0011
Cadmium	SW846 6010C	mg/L	0.002	ND	ND	ND
Chromium	SW846 6010C	mg/L	0.01	ND	ND	ND
Cobalt	SW846 6010C	mg/L		ND	0.0057	0.0038
Copper	SW846 6010C	mg/L	1	ND	ND	ND
Lead	SW846 6010C	mg/L	0.015	ND	ND	ND
Nickel	SW846 6010C	mg/L	0.1	ND	0.002	ND
Selenium	SW846 6010C	mg/L	0.02	ND	ND	0.0049
Silver	SW846 6010C	mg/L	0.02	ND	ND	ND
Thalium	SW846 6010C	mg/L		ND	ND	ND
Vanadium	SW846 6010C	mg/L		ND	ND	ND
Zinc	SW846 6010C	mg/L	1	ND	ND	ND

ND - Non Detect

EXHIBIT 5

MONITORING NETWORK IDENTIFICATION AND GROUNDWATER ELEVATIONS

WZB

OMNISOURCE SOUTHEAST LANDFILL

MONITORING NETWORK IDENTIFICATION

SAMPLED APRIL 10, 2013

Monitoring Network				
Well Location	**Type of Sample**	**Designation**	***Northing**	***Easting**
MW-1R	Groundwater	Up-gradient	871133.46357	1673486.66777
MW-12	Groundwater	Down-gradient	872513.56315	1675089.92711
MW-13	Groundwater	Down-gradient	873558.37519	1674779.98119
MW-14	Groundwater	Down-gradient	873544.51254	1674656.37800
SW-1	Surface Water	Up-stream / Background	** North 36° 08' 11.1"	** West 80° 05' 54.2"
SW-2	Surface Water	Down-stream	** North 36° 08' 42.8"	** West 80° 06' 3.7"

** Northing/Easting locations provided by Triad Land Surveying, P.C. based on NCGS monuments "Varco" and "TOOL", Wayne T. Sims, P.L.S., NC #3582*

** Lattitude/Longitude taken with Garmin® Model GPSmap 60CSx

WZB

OMNISOURCE SOUTHEAST LANDFILL

GROUNDWATER ELEVATIONS

MEASURED APRIL 10, 2013

GROUNDWATER ELEVATIONS				
Well Location	**Date/Time**	**Top of Casing (Feet)**	**Static Depth to Water (Feet)**	**Water Elevation (Feet)**
MW-1R	4/10/13 09:20	988.67	36.50	952.17
MW-12	4/10/13 11:10	855.85	8.12	847.73
MW-13	4/10/13 13:25	838.45	5.61	832.84
MW-14	4/10/13 13:08	847.45	12.40	835.05

** Top of casing elevations provided by Triad Land Surveying, P.C. based on NCGS monuments "Varco" and "TOOL", Wayne T. Sims, P.L.S., NC #3582*

WZB

EXHIBIT 6
GROUNDWATER SAMPLING FIELD SHEETS
AND CHAIN OF CUSTODY

WZB

W. Z Baumgartner Associates, Inc.

Environmental Engineers and Consultants
1113 Murfreesboro Rd. Suite 310; Franklin TN; 37064

Groundwater Sampling Log

Site Name:	OMNISOURCE SOUTHEAST LANDFILL	Site Location:	KERNERSVILLE, NC
Well No.	(SURFACE WATER) SW-1	Sample ID	32015 SW-1	Date:	4/10/2013

Purging Data

Well Diameter (Inches):	N/A	Tubing Diameter (Inches):	N/A	Well Screen Interval Depth:	feet to feet	Static Depth to Water (ft):	Purge Pump Type or Bailer:	N/A

Well Volume Purge: 1 Well Volume = (Total Well Depth - Static Depth to Water) X Well Capacity
(only fill out if applicable)

(feet- feet) X gallons/foot gallons

Equipment Volume Purge: 1 Equipment Volume = Pump Volume + (Tubing Capacity X Tubing Length) + Flow Cell Volume
(only fill out if applicable)

gallons + (gallons/foot X feet) + gallons = gallons

Initial Pump or Tubing Depth in Well (ft):		Final Pump or Tubing Depth in Well (ft):		Purging Initiated at:		Purging Ended at:		Total Volume Purged (Gallons):	

Time	Volume Purged (Gallons)	Cumulative Volume Purged (Gallons)	Purge Rate (G/m)	Depth to Water (ft)	pH (Standard Units)	Temp (°C)	Cond (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Color (Describe)	Sheen (Describe)	Odor (Describe)	Notes
N/A	N/A	N/A	N/A	N/A	7.36	20.1	63	N/A	3.42	CLEAR	NONE	NONE	

Well Capacity (Gallons Per Foot): 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02; 6" = 1.47; 12" = 5.88

Tubing Inside Diameter Capacity (Gallons Per Foot): 1/8" = 0.0006, 3/16" = 0.0014; 1/4" = 0.0026, 5/16" = 0.004; 3/8" = 0.006, 1/2" = 0.01; 5/8" = 0.016

Sampling Data

Sampled By (Print) / Affiliation:	Sampler(s) Signatures:	Sampling Initiated at: 11:10:00 AM	Sampling Ended at:
Brandon S. Walsh / Daniel M. Prebonick / WZB			
Pump or Tubing Depth in Well (ft):	Sample Pump Flow Rate (G/m):	Tubing Material Code:	

Field Decontamination	Y	N	Field Filtered	Y	N	Filter Size: µm	Duplicate	Y	N
			Filtration Equipment type:						

Sample Container Specification				Sample Preservation			Intended Analysis and/or Method	Sampling Equipment Code
Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Volume Added in Field (ml)	Final pH		
32015 SW-1	1	PE	250 mL	HNO_3	N/A	7.36	SW 846 6010C	O
32015 SW-1	3	CG	40 mL Vial	HCl	N/A	7.36	SW 846 8260B	O

Remarks

Material Codes: AG = Amber Glass; CG = Clear Glass, PE = Polyethylene; S = Silicone; T = Teflon; O = Other (Specify)

Sampling / Purging: APP = After Peristaltic Pump; B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump; PP = Peristaltic Pump

Equipment Codes: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, O = Other (Specify) - USED NON-PRESERVED BOTTLE

Notes:

1. The above do not constitute all of the information required
2. Stabilization Criteria for Range of Variation of Last Three Consecutive Readings:

pH ± 0.1 Units, Temperature ± 3%; Specific Conductance ± 3%, Dissolved Oxygen ± 0.3 mg/l; Turbidity ± 10%

W. Z Baumgartner Associates, Inc.

Environmental Engineers and Consultants
1113 Murfreesboro Rd. Suite 310; Franklin TN; 37064

Groundwater Sampling Log

Site Name:	OMNISOURCE SOUTHEAST LANDFILL	Site Location:	KERNERSVILLE, NC
Well No:	(SURFACE WATER) SW-2	Sample ID:	32015 SW-2
Date:	4/10/2013		

Purging Data

Well Diameter (Inches)	N/A	Tubing Diameter (Inches)	N/A	Well Screen Interval Depth	feet to	feet	Static Depth to Water (ft)	Purge Pump Type or Bailer:	N/A

Well Volume Purge. 1 Well Volume = (Total Well Depth - Static Depth to Water) X Well Capacity
(only fill out if applicable)

= (feet- feet) X gallons / foot gallons

Equipment Volume Purge 1 Equipment Volume = Pump Volume + (Tubing Capacity X Tubing Length) + Flow Cell Volume
(only fill out if applicable)

= gallons + (gallons / foot X feet) + gallons = gallons

Initial Pump or Tubing Depth in Well (ft).		Final Pump or Tubing Depth in Well (ft):		Purging Initiated at:		Purging Ended at:		Total Volume Purged (Gallons):	

Time	Volume Purged (Gallons)	Cumulative Volume Purged (Gallons)	Purge Rate (G/m)	Depth to Water (ft)	pH (Standard Units)	Temp (°C)	Cond (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Color (Describe)	Sheen (Describe)	Odor (Describe)	Notes
N/A	N/A	N/A	N/A	N/A	6.24	20.5	277	N/A	13.20	Lt Yellow	NONE	NONE	

Well Capacity (Gallons Per Foot) 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 2" = 0.16; 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47; 12" = 5.88

Tubing Inside Diameter Capacity (Gallons Per Foot): 1/8" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.006, 1/2" = 0.01, 5/8" = 0.016

Sampling Data

Sampled By (Print) / Affiliation. Brandon S. Walsh / Daniel M. Prebonick / WZB	Sampler(s) Signatures	Sampling Initiated at: 12:30:00 PM	Sampling Ended at:
Pump or Tubing Depth in Well (ft).	Sample Pump Flow Rate (G/m)	Tubing Material Code:	
Field Decontamination Y N	Field Filtered Y N / Filtration Equipment type:	Filter Size: µm	Duplicate Y N

Sample Container Specification				Sample Preservation			Intended Analysis and or Method	Sampling Equipment Code
Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Volume Added in Field (ml)	Final pH		
32015 SW-2	1	PE	250 mL	HNO_3	N/A	6.24	SW 846 6010C	O
32015 SW-2	3	CG	40 mL Vial	HCl	N/A	6.24	SW 846 8260B	O

Remarks

Material Codes AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, S = Silicone, T = Teflon, O = Other (Specify)

Sampling / Purging APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump

Equipment Codes RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap, O = Other (Specify) - USED NON-PRESERVED BOTTLE

Notes

1. The above do not constitute all of the information required
2. Stabilization Criteria for Range of Variation of Last Three Consecutive Readings:

pH ± 0.1 Units Temperature ± 3%, Specific Conductance, ± 3%; Dissolved Oxygen, ± 0.3 mg/l, Turbidity, ± 10%

W. Z Baumgartner Associates, Inc.

Environmental Engineers and Consultants
1113 Murfreesboro Rd. Suite 310; Franklin TN; 37064

Groundwater Sampling Log

Site Name:	OMNISOURCE SOUTHEAST LANDFILL	Site Location:	KERNERSVILLE, NC
Well No:	MW-1R	Sample ID: 32015 MW-1R	Date: 4/10/2013

Purging Data

Well Diameter (Inches):	2	Tubing Diameter (Inches):	0.5	Well Screen Interval Depth:	82 feet to 102 feet	Static Depth to Water (ft):	36.50	Purge Pump Type or Bailer:	ESP

Well Volume Purge: 1 Well Volume = (Total Well Depth - Static Depth to Water) X Well Capacity
(only fill out if applicable)

= (102 feet - 36.5 feet) X 0.16 gallons / foot 10.48 gallons

Equipment Volume Purge: 1 Equipment Volume = Pump Volume + (Tubing Capacity X Tubing Length) + Flow Cell Volume
(only fill out if applicable)

= gallons + (gallons / foot X feet) + gallons = gallons

Initial Pump or Tubing Depth in Well (ft):	97	Final Pump or Tubing Depth in Well (ft):	97	Purging Initiated at:	9.11:00 AM	Purging Ended at	9.18.00 AM	Total Volume Purged (Gallons)	11

Time	Volume Purged (Gallons)	Cumulative Volume Purged (Gallons)	Purge Rate (G/m)	Depth to Water (ft)	pH (Standard Units)	Temp (°C)	Cond (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Color (Describe)	Sheen (Describe)	Odor (Describe)	Notes
9:18:00 AM	11	11	1.57	Unkown	10.94	15.3	160	N/A	30.80	Clear	None	Sulfur	
INSUFFICIENT RECHARGE													

Well Capacity (Gallons Per Foot): 0.75" - 0.02, 1" - 0.04; 1.25" - 0.06; 2" - 0.16, 3" - 0.37, 4" - 0.65, 5" - 1.02; 6" - 1.47; 12" - 5.88

Tubing Inside Diameter Capacity (Gallons Per Foot): 1/8" - 0.0006; 3/16" - 0.0014; 1/4" - 0.0026, 5/16" - 0.004; 3/8" - 0.006, 1/2" - 0.01; 5/8" - 0.016

Sampling Data

Sampled By (Print) - Affiliation:	Sampler(s) Signatures:	Sampling Initiated at: 9:20:00 AM	Sampling Ended at:
Brandon S. Walsh / Daniel M. Preboruck / WZB			
Pump or Tubing Depth in Well (ft): 97	Sample Pump Flow Rate (G/m): 1.57	Tubing Material Code: PE	
Field Decontamination: Y / N	Field Filtered: Y / N; Filtration Equipment type:	Filter Size: µm	Duplicate: Y / N

Sample Container Specification				Sample Preservation			Intended Analysis and/or Method	Sampling Equipment Code
Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Volume Added in Field (ml)	Final pH		
32015 MW-1R	1	PE	250 mL	HNO_3	N/A	10.94	SW 846 6010C	ESP
32015 MW-1R	3	CG	40 mL Vial	HCl	N/A	10.94	SW 846 8260B	ESP

Remarks: GROUNDWATER ELEVATION = 952.17 FEET (NCGS)

Material Codes: AG - Amber Glass, CG - Clear Glass, PE - Polyethylene; S - Silicone, T - Teflon, O - Other (Specify)

Sampling / Purging: APP - After Peristaltic Pump, B - Bailer, BP - Bladder Pump, ESP - Electric Submersible Pump; PP - Peristaltic Pump

Equipment Codes: RFPP - Reverse Flow Peristaltic Pump, SM - Straw Method (Tubing Gravity Drain), VT - Vacuum Trap, O - Other (Specify)

Notes:

1. The above do not constitute all of the information required
2. Stabilization Criteria for Range of Variation of Last Three Consecutive Readings:

pH: ± 0.1 Units; Temperature: ± 3%, Specific Conductance: ± 3%, Dissolved Oxygen: ± 0.3 mg/l, Turbidity: ± 10%

W. Z Baumgartner Associates, Inc.

Environmental Engineers and Consultants
1113 Murfreesboro Rd. Suite 310; Franklin TN; 37064

Groundwater Sampling Log

Site Name:	OMNISOURCE SOUTHEAST LANDFILL	Site Location:	KERNERSVILLE, NC
Well No.	MW-12	Sample ID:	32015 MW-12
Date	4/10/2013		

Purging Data

Well Diameter (Inches):	2	Tubing Diameter (Inches):	0.5	Well Screen Interval Depth:	13.50 feet to	28.50 feet	Static Depth to Water (ft):	8.12	Purge Pump Type or Bailer: ESP

Well Volume Purge: 1 Well Volume = (Total Well Depth - Static Depth to Water) X Well Capacity
(only fill out if applicable)

= (28.5 feet- 8.12 feet) X 0.16 gallons / foot 3.26 gallons

Equipment Volume Purge: 1 Equipment Volume = Pump Volume + (Tubing Capacity X Tubing Length) + Flow Cell Volume
(only fill out if applicable)

= gallons + (gallons / foot X feet) + gallons gallons

Initial Pump or Tubing Depth in Well (ft):	23	Final Pump or Tubing Depth in Well (ft):	23	Purging Initiated at:	10:00:00 AM	Purging Ended at:	11:07:00 AM	Total Volume Purged (Gallons)	10.5

Time	Volume Purged (Gallons)	Cumulative Volume Purged (Gallons)	Purge Rate (G/m)	Depth to Water (ft)	pH (Standard Units)	Temp (°C)	Cond (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Color (Describe)	Sheen (Describe)	Odor (Describe)	Notes
10:28:00 AM	3.5	3.5	0.13	9.39	5.63	14.1	213	N/A	17.10	Clear	None	None	
10:47:00 AM	3.5	7	0.18	9.41	5.68	13.6	212	N/A	5.43	Clear	None	None	
11:07:00 AM	3.5	10.5	0.18	9.41	5.68	13.7	213	N/A	2.63	Clear	None	None	

Well Capacity (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.88

Tubing Inside Diameter Capacity (Gallons Per Foot): 1/8" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.006, 1/2" = 0.01, 5/8" = 0.016

Sampling Data

Sampled By (Print) / Affiliation: Brandon S. Walsh / Daniel M. Prebonick / WZB	Sampler(s) Signatures:	Sampling Initiated at: 11:10:00 AM	Sampling Ended at:
Pump or Tubing Depth in Well (ft): 23	Sample Pump Flow Rate (G/m): 0.18	Tubing Material Code: PE	
Field Decontamination: Y / N	Field Filtered: Y / N; Filtration Equipment type:	Filter Size: µm	Duplicate: Y / N

Sample Container Specification				Sample Preservation			Intended Analysis and/or Method	Sampling Equipment Code
Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Volume Added in Field (ml)	Final pH		
32015 MW-12	1	PE	250 mL	HNO_3	N/A	5.68	SW 846 6010C	ESP
32015 MW-12	3	CG	40 mL Vial	HCl	N/A	5.68	SW 846 8260B	ESP

Remarks: GROUNDWATER ELEVATION = 847.73 FEET (NCGS)

Material Codes: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, S = Silicone, T = Teflon, O = Other (Specify)

Sampling / Purging: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump

Equipment Codes: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, O = Other (Specify)

Notes:

1. The above do not constitute all of the information required
2. Stabilization Criteria for Range of Variation of Last Three Consecutive Readings:

pH: ± 0.1 Units, Temperature: ± 3%, Specific Conductance: ± 3%; Dissolved Oxygen: ± 0.3 mg/l; Turbidity: ± 10%

W. Z Baumgartner Associates, Inc.

Environmental Engineers and Consultants
1113 Murfreesboro Rd. Suite 310; Franklin TN; 37064

Groundwater Sampling Log

Site Name:	OMNISOURCE SOUTHEAST LANDFILL	Site Location:	KERNERSVILLE, NC
Well No:	MW-13	Sample ID:	32015 MW-13
Date:	4/10/2013		

Purging Data

Well Diameter (Inches):	2	Tubing Diameter (Inches):	0.5	Well Screen Interval Depth:	17.00	feet to	27.00	feet	Static Depth to Water (ft):	5.61	Purge Pump Type or Bailer: ESP

Well Volume Purge: 1 Well Volume = (Total Well Depth - Static Depth to Water) X Well Capacity
(only fill out if applicable)

= (27 feet- 5.61 feet) X 0.16 gallons / foot 3.42 gallons

Equipment Volume Purge: 1 Equipment Volume = Pump Volume + (Tubing Capacity X Tubing Length) + Flow Cell Volume
(only fill out if applicable)

= gallons + (gallons / foot X feet) + gallons = gallons

Initial Pump or Tubing Depth in Well (ft)	22	Final Pump or Tubing Depth in Well (ft)	22	Purging Initiated at:	12:21:00 PM	Purging Ended at	1:20:00 PM	Total Volume Purged (Gallons):	10.5		

Time	Volume Purged (Gallons)	Cumulative Volume Purged (Gallons)	Purge Rate (G/m)	Depth to Water (ft)	pH (Standard Units)	Temp (°C)	Cond (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Color (Describe)	Sheen (Describe)	Odor (Describe)	Notes
12:47:00 PM	3.5	3.5	0.13	8.01	6.06	14.1	339	N/A	33.90	Clear	None	None	
1:02:00 PM	3.5	7	0.23	8.21	6.08	14.1	332	N/A	15.50	Clear	None	None	
1:20:00 PM	3.5	20	0.19	8.16	6.08	14.4	334	N/A	10.20	Clear	None	None	

Well Capacity (Gallons Per Foot): 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02; 6" = 1.47; 12" = 5.88

Tubing Inside Diameter Capacity (Gallons Per Foot): 1/8" = 0.0006; 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.006, 1/2" = 0.01, 5/8" = 0.016

Sampling Data

Sampled By (Print) / Affiliation: Brandon S. Walsh / Daniel M. Prebonick / WZB	Sampler(s) Signatures:	Sampling Initiated at: 1:25:00 PM	Sampling Ended at:
Pump or Tubing Depth in Well (ft): 22	Sample Pump Flow Rate (G/m): 0.19	Tubing Material Code: PE	
Field Decontamination: Y N	Field Filtered: Y N; Filtration Equipment type:	Filter Size: µm	Duplicate: Y N

Sample Container Specification				Sample Preservation			Intended Analysis and/or Method	Sampling Equipment Code
Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Volume Added in Field (ml)	Final pH		
32015 MW-13	1	PE	250 mL	HNO_3	N/A	6.08	SW 846 6010C	ESP
32015 MW-13	3	CG	40 mL Vial	HCl	N/A	6.08	SW 846 8260B	ESP

Remarks: GROUNDWATER ELEVATION = 832.84 FEET (NCGS)

Material Codes: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene; S = Silicone; T = Teflon; O = Other (Specify)

Sampling / Purging: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump

Equipment Codes: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes:

1. The above do not constitute all of the information required
2. Stabilization Criteria for Range of Variation of Last Three Consecutive Readings

pH ± 0.1 Units, Temperature ± 3%, Specific Conductance ± 3%, Dissolved Oxygen ± 0.3 mg/l, Turbidity ± 10%

W. Z Baumgartner Associates, Inc.

Environmental Engineers and Consultants
1113 Murfreesboro Rd. Suite 310; Franklin TN; 37064

Groundwater Sampling Log

Site Name:	OMNISOURCE SOUTHEAST LANDFILL	Site Location:	KERNERSVILLE, NC
Well No:	MW-14	Sample ID:	32015 MW-14
Date:	4/10/2013		

Purging Data

Well Diameter (Inches):	2	Tubing Diameter (Inches):	0.5	Well Screen Interval Depth:	18.50	feet to	33.50	feet	Static Depth to Water (ft):	12.40	Purge Pump Type or Bailer: ESP

Well Volume Purge: 1 Well Volume = (Total Well Depth - Static Depth to Water) X Well Capacity
(only fill out if applicable)

= (33.5 feet- 12.4 feet) X 0.16 gallons / foot 3.38 gallons

Equipment Volume Purge: 1 Equipment Volume = Pump Volume + (Tubing Capacity X Tubing Length) + Flow Cell Volume
(only fill out if applicable)

= gallons + (gallons / foot X feet) + gallons = gallons

Initial Pump or Tubing Depth in Well (ft):	28	Final Pump or Tubing Depth in Well (ft):	28	Purging Initiated at:	12:18:00 PM	Purging Ended at:	1:05:00 PM	Total Volume Purged (Gallons):	10.5

Time	Volume Purged (Gallons)	Cumulative Volume Purged (Gallons)	Purge Rate (G/m)	Depth to Water (ft)	pH (Standard Units)	Temp (°C)	Cond (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Color (Describe)	Sheen (Describe)	Odor (Describe)	Notes
12:35:00 PM	3.5	3.5	0.21	13.71	5.75	15.7	111	N/A	29.40	Clear	None	None	
12:52:00 PM	3.5	7	0.21	14.41	5.53	15.0	106	N/A	10.10	Clear	None	None	
1:05:00 PM	3.5	10.5	0.27	14.46	5.54	15.3	104	N/A	4.35	Clear	None	None	

Well Capacity (Gallons Per Foot): 0.75" = 0.02, 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47; 12" = 5.88

Tubing Inside Diameter Capacity (Gallons Per Foot): 1/8" = 0.0006, 3/16" = 0.0014; 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.006, 1/2" = 0.01, 5/8" = 0.016

Sampling Data

Sampled By (Print) / Affiliation: Brandon S. Walsh / Daniel M. Prebonick / WZB	Sampler(s) Signatures:	Sampling Initiated at: 1:08:00 PM	Sampling Ended at:
Pump or Tubing Depth in Well (ft): 28	Sample Pump Flow Rate (G/m): 0.27	Tubing Material Code: PE	

Field Decontamination	Y	N	Field Filtered	Y	N	Filter Size: µm	Duplicate: Y N
			Filtration Equipment type:				

Sample Container Specification				Sample Preservation			Intended Analysis and/or Method	Sampling Equipment Code
Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Total Volume Added in Field (ml)	Final pH		
32015 MW-14	1	PE	250 mL	HNO_3	N/A	5.54	SW 846 6010C	ESP
32015 MW-14	3	CG	40 mL Vial	HCl	N/A	5.54	SW 846 8260B	ESP

Remarks: GROUNDWATER ELEVATION = 835.05 FEET (NCGS)

Material Codes: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, S = Silicone; T = Teflon, O = Other (Specify)

Sampling / Purging: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump, PP = Peristaltic Pump

Equipment Codes: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap, O = Other (Specify)

Note:

1. The above do not constitute all of the information required
2. Stabilization Criteria for Range of Variation of Last Three Consecutive Readings:

pH = ± 0.1 Units, Temperature = ± 3%, Specific Conductance = ± 3%, Dissolved Oxygen = ± 0.3 mg/l, Turbidity = ± 10%

W. Z Baumgartner & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
1113 MURFREESBORO ROAD · SUITE 310 · FRANKLIN, TN 37064
P. O. BOX 680369 (37068-0369) · 615-595-0025 · FAX: 615-595-1595
E-MAIL: WZB1@AOL.COM

CHAIN OF CUSTODY

PART I - Client: OMNISOURCE SOUTHEAST LANDFILL | Event ID:

Proj. No: | City: | ST. | Sampling Point:

PART II - Container Information

	Preservative						Plastic Containers							Glass Containers							
Code	A	B	C	D	E	F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Quantity of Sample Containers Shipped	H_2SO_4	HNO_3	HCL	$Na_2S_2O_3$	NaOH	Unpreserved	125 ml HDPE	250 ml HDPE	500 ml HDPE	1L HDPE	1gal HDPE	Poly Bag	5 gal. Bucket	40 ml Vial	4 oz Jar	9 oz Jar	16 oz Jar	1L Clear	1L Amber	Trip Blank	Notes
24			✓											✓							
8		✓						✓													

Preservative Added: ☑ By Contract Laboratory ☐ By WZB Laboratory ☐ In Field

PART III - Sample Information

Sample Matrix Codes

DW	Drinking Water	OL	Oil
WW	Waste Water	SL	Sludge
GW	Ground Water	SO	Soil
SW	Storm Water	SR	Shredder Residue
SU	Surface Water	EC	Eddy Current

Requested Analysis

Sample I. D.	Date	Time	Matrix	Comp.	Grab.	Preserv./Container Code: C 8	B 2											Total No. of Containers
MW-1R	4/10/13	0920	GW		✓	3	1											4
MW-12	4/10/13	1110	GW		✓	3	1											4
MW-13	4/10/13	1325	GW		✓	3	1											4
MW-14	4/10/13	1308	GW		✓	3	1											4
SW-1	4/10/13	1110	SU		✓	3	1											4
SW-2	4/10/13	1230	SU		✓	3	1											4
FIELD BLANK	4/10/13	1250				3	1											4
TRIP BLANK	4/10/13	0920				3	1											4

Sampler's Name (Print): D. PREBONICK / B. WALSH

PART IV - Chain of Custody

	Relinquished By: (Signature)	Date	Time	Received By: (Signature)
1	[signature]	4/12/13		
2				
3				
4				

Received for Laboratory By: (Signature)

Custody Seals Intact: ☐ Yes ☐ No Temperature: (°C)

EXHIBIT 7
ENVIRONMENTAL MONITORING REPORTING FORM

WZB

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

W.Z. BAUMGARTNER & ASSOCIATES, INC. / TESTAMERICA, INC.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: DANIEL PREBONICK Phone: (615) 595-0025 EXT. 156

E-mail: DMP@WZBINC.COM

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
OMNISOURCE SOUTHEAST	1426 WEST MOUNTAIN STREET KERNERSVILLE, NC 27284	3417-TP	.0500	APRIL 10, 2013

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☒ No. No groundwater or surface water standards were exceeded.
☐ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

WILLIAM Z. BAUMGARTNER, JR. PRESIDENT (615) 595-0025

Facility Representative Name (Print) Title (Area Code) Telephone Number

Signature 05/09/13 Date

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 17862 ENGINEER W. Z. BAUMGARTNER, JR.

05/09/13

PO BOX 680369 FRANKLIN, TN 37068-0369

Facility Representative Address

C-2883

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

APPENDIX A

TESTAMERICA, INC.
ANALYTICAL REPORT

WZB

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-24123-1
TestAmerica Sample Delivery Group: 32015
Client Project/Site: 32015

For:
W.Z. Baumgartner & Associates
1113 Murfreesboro Road
Suite 310
Franklin, Tennessee 37064

Attn: Brandon Walsh - Rpt

Authorized for release by:
4/24/2013 12:18:34 PM

Ken Hayes
Project Manager I
ken.hayes@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-24123-1	32015 MW-1R	Water	04/10/13 09:20	04/12/13 13:58
490-24123-2	32015 MW-12	Water	04/10/13 11:10	04/12/13 13:58
490-24123-3	32015 MW-13	Water	04/10/13 13:25	04/12/13 13:58
490-24123-4	32015 MW-14	Water	04/10/13 13:08	04/12/13 13:58
490-24123-5	32015 SW-1	Water	04/10/13 11:10	04/12/13 13:58
490-24123-6	32015 SW-2	Water	04/10/13 12:30	04/12/13 13:58
490-24123-7	32015 TRIP BLANK	QC Water (Blank Sample)	04/10/13 09:20	04/12/13 13:58
490-24123-8	32015 FIELD BLANK	QC Water (Blank Sample)	04/10/13 12:50	04/12/13 13:58

Job ID: 490-24123-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-24123-1

Comments
No additional comments.

Receipt
The samples were received on 4/12/2013 11:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 72658 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 72658 exceeded control limits for the following analyte: Dichlorodifluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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)
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)
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)

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-1R
Date Collected: 04/10/13 09:20
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 17:21	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 17:21	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 17:21	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 17:21	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 17:21	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 17:21	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 17:21	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 17:21	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 17:21	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 17:21	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 17:21	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 17:21	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 17:21	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 17:21	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 17:21	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 17:21	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 17:21	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 17:21	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 17:21	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 17:21	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 17:21	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 17:21	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 17:21	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 17:21	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 17:21	1
Benzene	ND		1.00	0.200	ug/L			04/16/13 17:21	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 17:21	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 17:21	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 17:21	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 17:21	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 17:21	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 17:21	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 17:21	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 17:21	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 17:21	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 17:21	1
Chloroform	ND		1.00	0.230	ug/L			04/16/13 17:21	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 17:21	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 17:21	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 17:21	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 17:21	1
Dichlorodifluoromethane	ND		1.00	0.440	ug/L			04/16/13 17:21	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 17:21	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 17:21	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
Methyl tert-butyl ether	ND		1.00	0.120	ug/L			04/16/13 17:21	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 17:21	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-1R
Date Collected: 04/10/13 09:20
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 17:21	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 17:21	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
Styrene	**0.515**	J	1.00	0.200	ug/L			04/16/13 17:21	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 17:21	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 17:21	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 17:21	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 17:21	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 17:21	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 17:21	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 17:21	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*04/16/13 17:21*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*04/16/13 17:21*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*04/16/13 17:21*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/16/13 17:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 22:38	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:38	1
Barium	**0.0269**		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 22:38	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 22:38	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 22:38	1
Chromium	**0.00230**	J	0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 22:38	1
Cobalt	ND		0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 22:38	1
Copper	**0.00880**	J	0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 22:38	1
Lead	**0.00420**	J	0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 22:38	1
Nickel	ND		0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 22:38	1
Selenium	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:38	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 22:38	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 22:38	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 22:38	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 22:38	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-12
Date Collected: 04/10/13 11:10
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 17:49	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 17:49	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 17:49	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 17:49	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 17:49	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 17:49	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 17:49	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 17:49	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 17:49	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 17:49	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 17:49	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 17:49	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 17:49	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 17:49	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 17:49	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 17:49	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 17:49	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 17:49	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 17:49	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 17:49	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 17:49	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 17:49	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 17:49	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 17:49	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 17:49	1
Benzene	**0.365**	**J**	1.00	0.200	ug/L			04/16/13 17:49	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 17:49	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 17:49	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 17:49	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 17:49	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 17:49	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 17:49	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 17:49	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 17:49	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 17:49	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 17:49	1
Chloroform	ND		1.00	0.230	ug/L			04/16/13 17:49	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 17:49	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 17:49	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 17:49	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 17:49	1
Dichlorodifluoromethane	ND	*	1.00	0.440	ug/L			04/16/13 17:49	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 17:49	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 17:49	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
Methyl tert-butyl ether	**0.359**	**J**	1.00	0.120	ug/L			04/16/13 17:49	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 17:49	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-12

Date Collected: 04/10/13 11:10
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 17:49	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 17:49	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 17:49	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
Tetrachloroethene	**0.252**	J	1.00	0.250	ug/L			04/16/13 17:49	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 17:49	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 17:49	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 17:49	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 17:49	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 17:49	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 17:49	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*04/16/13 17:49*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*04/16/13 17:49*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*04/16/13 17:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/16/13 17:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 22:34	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:34	1
Barium	**0.166**		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 22:34	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 22:34	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 22:34	1
Chromium	ND		0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 22:34	1
Cobalt	**0.00190**	J	0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 22:34	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 22:34	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 22:34	1
Nickel	**0.00290**	J	0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 22:34	1
Selenium	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:34	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 22:34	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 22:34	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 22:34	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 22:34	1

Client Sample ID: 32015 MW-13
Date Collected: 04/10/13 13:25
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 18:16	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 18:16	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 18:16	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 18:16	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 18:16	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 18:16	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 18:16	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 18:16	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 18:16	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 18:16	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 18:16	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 18:16	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 18:16	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 18:16	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 18:16	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 18:16	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 18:16	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 18:16	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 18:16	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 18:16	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 18:16	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 18:16	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 18:16	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 18:16	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 18:16	1
Benzene	ND		1.00	0.200	ug/L			04/16/13 18:16	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 18:16	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 18:16	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 18:16	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 18:16	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 18:16	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 18:16	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 18:16	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 18:16	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 18:16	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 18:16	1
Chloroform	ND		1.00	0.230	ug/L			04/16/13 18:16	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 18:16	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 18:16	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 18:16	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 18:16	1
Dichlorodifluoromethane	ND	*	1.00	0.440	ug/L			04/16/13 18:16	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 18:16	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 18:16	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
Methyl tert-butyl ether	ND		1.00	0.120	ug/L			04/16/13 18:16	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 18:16	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-13

Date Collected: 04/10/13 13:25
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 18:16	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 18:16	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 18:16	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 18:16	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 18:16	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 18:16	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 18:16	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 18:16	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 18:16	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 18:16	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*04/16/13 18:16*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/16/13 18:16*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*04/16/13 18:16*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/16/13 18:16*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 23:08	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:08	1
Barium	**0.0275**		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 23:08	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 23:08	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 23:08	1
Chromium	ND		0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 23:08	1
Cobalt	**0.00280**	J	0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 23:08	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 23:08	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 23:08	1
Nickel	ND		0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 23:08	1
Selenium	**0.00620**	J	0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:08	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 23:08	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 23:08	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 23:08	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 23:08	1

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-14
Date Collected: 04/10/13 13:08
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 18:44	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 18:44	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 18:44	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 18:44	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 18:44	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 18:44	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 18:44	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 18:44	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 18:44	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 18:44	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 18:44	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 18:44	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 18:44	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 18:44	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 18:44	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 18:44	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 18:44	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 18:44	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 18:44	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 18:44	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 18:44	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 18:44	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 18:44	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 18:44	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 18:44	1
Benzene	ND		1.00	0.200	ug/L			04/16/13 18:44	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 18:44	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 18:44	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 18:44	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 18:44	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 18:44	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 18:44	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 18:44	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 18:44	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 18:44	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 18:44	1
Chloroform	ND		1.00	0.230	ug/L			04/16/13 18:44	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 18:44	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 18:44	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 18:44	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 18:44	1
Dichlorodifluoromethane	ND		1.00	0.440	ug/L			04/16/13 18:44	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 18:44	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 18:44	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
Methyl tert-butyl ether	ND		1.00	0.120	ug/L			04/16/13 18:44	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 18:44	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-14

Lab Sample ID: 490-24123-4

Date Collected: 04/10/13 13:08
Matrix: Water
Date Received: 04/12/13 13:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 18:44	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 18:44	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 18:44	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 18:44	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 18:44	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 18:44	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 18:44	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 18:44	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 18:44	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 18:44	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*04/16/13 18:44*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*04/16/13 18:44*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*04/16/13 18:44*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/16/13 18:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 22:57	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:57	1
Barium	**0.0982**		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 22:57	1
Beryllium	**0.00110**	J	0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 22:57	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 22:57	1
Chromium	ND		0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 22:57	1
Cobalt	**0.00380**	J	0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 22:57	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 22:57	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 22:57	1
Nickel	ND		0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 22:57	1
Selenium	**0.00490**	J	0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:57	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 22:57	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 22:57	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 22:57	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 22:57	1

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 SW-1
Date Collected: 04/10/13 11:10
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 19:12	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 19:12	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 19:12	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 19:12	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 19:12	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 19:12	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 19:12	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 19:12	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 19:12	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 19:12	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 19:12	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 19:12	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 19:12	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 19:12	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 19:12	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 19:12	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 19:12	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 19:12	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 19:12	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 19:12	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 19:12	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 19:12	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 19:12	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 19:12	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 19:12	1
Benzene	ND		1.00	0.200	ug/L			04/16/13 19:12	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 19:12	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 19:12	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 19:12	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 19:12	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 19:12	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 19:12	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 19:12	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 19:12	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 19:12	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 19:12	1
Chloroform	ND		1.00	0.230	ug/L			04/16/13 19:12	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 19:12	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 19:12	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 19:12	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 19:12	1
Dichlorodifluoromethane	ND	*	1.00	0.440	ug/L			04/16/13 19:12	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 19:12	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 19:12	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
Methyl tert-butyl ether	ND		1.00	0.120	ug/L			04/16/13 19:12	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 19:12	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 SW-1
Date Collected: 04/10/13 11:10
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 19:12	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 19:12	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 19:12	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 19:12	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 19:12	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 19:12	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 19:12	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 19:12	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 19:12	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 19:12	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*		*04/16/13 19:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/16/13 19:12*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*04/16/13 19:12*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/16/13 19:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 22:54	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:54	1
Barium	**0.0443**		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 22:54	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 22:54	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 22:54	1
Chromium	**0.00160**	J	0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 22:54	1
Cobalt	ND		0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 22:54	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 22:54	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 22:54	1
Nickel	ND		0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 22:54	1
Selenium	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:54	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 22:54	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 22:54	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 22:54	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 22:54	1

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 SW-2
Date Collected: 04/10/13 12:30
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 19:39	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 19:39	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 19:39	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 19:39	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 19:39	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 19:39	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 19:39	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 19:39	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 19:39	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 19:39	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:39	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 19:39	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 19:39	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 19:39	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 19:39	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 19:39	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 19:39	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 19:39	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 19:39	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 19:39	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 19:39	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 19:39	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 19:39	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 19:39	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 19:39	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 19:39	1
Acetone	**8.34**	**J**	50.0	2.66	ug/L			04/16/13 19:39	1
Benzene	**0.369**	**J**	1.00	0.200	ug/L			04/16/13 19:39	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 19:39	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 19:39	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 19:39	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 19:39	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 19:39	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 19:39	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 19:39	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 19:39	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 19:39	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 19:39	1
Chloroform	ND		1.00	0.230	ug/L			04/16/13 19:39	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 19:39	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 19:39	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 19:39	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 19:39	1
Dichlorodifluoromethane	ND	*	1.00	0.440	ug/L			04/16/13 19:39	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 19:39	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 19:39	1
Isopropylbenzene	**0.392**	**J**	1.00	0.170	ug/L			04/16/13 19:39	1
Methyl tert-butyl ether	**1.02**		1.00	0.120	ug/L			04/16/13 19:39	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 19:39	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 SW-2
Date Collected: 04/10/13 12:30
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 19:39	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 19:39	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:39	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 19:39	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:39	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 19:39	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 19:39	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 19:39	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 19:39	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 19:39	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 19:39	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 19:39	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 19:39	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 19:39	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*04/16/13 19:39*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/16/13 19:39*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*04/16/13 19:39*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/16/13 19:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 23:12	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:12	1
Barium	**0.0842**		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 23:12	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 23:12	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 23:12	1
Chromium	**0.00210**	J	0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 23:12	1
Cobalt	ND		0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 23:12	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 23:12	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 23:12	1
Nickel	**0.00510**	J	0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 23:12	1
Selenium	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:12	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 23:12	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 23:12	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 23:12	1
Zinc	**0.0294**	J	0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 23:12	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 TRIP BLANK

Date Collected: 04/10/13 09:20
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-7
Matrix: QC Water (Blank Sample)

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 16:27	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 16:27	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 16:27	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 16:27	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 16:27	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 16:27	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 16:27	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 16:27	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 16:27	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 16:27	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 16:27	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 16:27	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 16:27	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 16:27	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 16:27	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 16:27	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 16:27	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 16:27	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 16:27	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 16:27	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 16:27	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 16:27	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 16:27	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 16:27	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 16:27	1
Benzene	ND		1.00	0.200	ug/L			04/16/13 16:27	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 16:27	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 16:27	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 16:27	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 16:27	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 16:27	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 16:27	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 16:27	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 16:27	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 16:27	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 16:27	1
Chloroform	**0.489**	**J**	1.00	0.230	ug/L			04/16/13 16:27	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 16:27	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 16:27	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 16:27	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 16:27	1
Dichlorodifluoromethane	ND	*	1.00	0.440	ug/L			04/16/13 16:27	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 16:27	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 16:27	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
Methyl tert-butyl ether	ND		1.00	0.120	ug/L			04/16/13 16:27	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 16:27	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 TRIP BLANK
Date Collected: 04/10/13 09:20
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-7
Matrix: QC Water (Blank Sample)

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 16:27	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 16:27	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 16:27	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 16:27	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 16:27	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 16:27	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 16:27	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 16:27	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 16:27	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 16:27	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*04/16/13 16:27*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*04/16/13 16:27*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*04/16/13 16:27*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/16/13 16:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 23:05	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:05	1
Barium	ND		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 23:05	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 23:05	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 23:05	1
Chromium	ND		0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 23:05	1
Cobalt	ND		0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 23:05	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 23:05	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 23:05	1
Nickel	ND		0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 23:05	1
Selenium	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:05	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 23:05	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 23:05	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 23:05	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 23:05	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 FIELD BLANK
Date Collected: 04/10/13 12:50
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-8
Matrix: QC Water (Blank Sample)

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 16:54	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 16:54	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 16:54	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 16:54	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 16:54	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 16:54	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 16:54	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 16:54	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 16:54	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 16:54	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 16:54	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 16:54	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 16:54	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 16:54	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 16:54	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 16:54	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 16:54	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 16:54	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 16:54	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 16:54	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 16:54	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 16:54	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 16:54	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 16:54	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 16:54	1
Benzene	ND		1.00	0.200	ug/L			04/16/13 16:54	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 16:54	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 16:54	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 16:54	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 16:54	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 16:54	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 16:54	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 16:54	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 16:54	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 16:54	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 16:54	1
Chloroform	**0.583**	J	1.00	0.230	ug/L			04/16/13 16:54	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 16:54	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 16:54	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 16:54	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 16:54	1
Dichlorodifluoromethane	ND		1.00	0.440	ug/L			04/16/13 16:54	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 16:54	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 16:54	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
Methyl tert-butyl ether	ND		1.00	0.120	ug/L			04/16/13 16:54	1
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 16:54	1

Client Sample Results

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 FIELD BLANK
Date Collected: 04/10/13 12:50
Date Received: 04/12/13 13:58

Lab Sample ID: 490-24123-8
Matrix: QC Water (Blank Sample)

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 16:54	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 16:54	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 16:54	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 16:54	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 16:54	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 16:54	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 16:54	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 16:54	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 16:54	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 16:54	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*04/16/13 16:54*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*04/16/13 16:54*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*04/16/13 16:54*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/16/13 16:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 23:01	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:01	1
Barium	ND		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 23:01	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 23:01	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 23:01	1
Chromium	ND		0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 23:01	1
Cobalt	ND		0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 23:01	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 23:01	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 23:01	1
Nickel	ND		0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 23:01	1
Selenium	**0.00420**	**J**	0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 23:01	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 23:01	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 23:01	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 23:01	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 23:01	1

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

Lab Sample ID: MB 490-72658/7
Matrix: Water
Analysis Batch: 72658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			04/16/13 12:53	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 12:53	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/16/13 12:53	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/16/13 12:53	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/16/13 12:53	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/16/13 12:53	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/16/13 12:53	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/16/13 12:53	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/16/13 12:53	1
1,2,4-Trichlorobenzene	ND		1.00	0.150	ug/L			04/16/13 12:53	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
1,2-Dibromo-3-Chloropropane	ND		10.0	4.21	ug/L			04/16/13 12:53	1
1,2-Dibromoethane (EDB)	ND		1.00	0.140	ug/L			04/16/13 12:53	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/16/13 12:53	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/16/13 12:53	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/16/13 12:53	1
1,3,5-Trimethylbenzene	ND		1.00	0.150	ug/L			04/16/13 12:53	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/16/13 12:53	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/16/13 12:53	1
1,4-Dichlorobenzene	ND		1.00	0.130	ug/L			04/16/13 12:53	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/16/13 12:53	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/16/13 12:53	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/16/13 12:53	1
2-Hexanone	ND		10.0	1.28	ug/L			04/16/13 12:53	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/16/13 12:53	1
Acetone	ND		50.0	2.66	ug/L			04/16/13 12:53	1
Benzene	ND		1.00	0.200	ug/L			04/16/13 12:53	1
Bromobenzene	ND		1.00	0.210	ug/L			04/16/13 12:53	1
Bromochloromethane	ND		1.00	0.330	ug/L			04/16/13 12:53	1
Bromodichloromethane	ND		1.00	0.110	ug/L			04/16/13 12:53	1
Bromoform	ND		1.00	0.290	ug/L			04/16/13 12:53	1
Bromomethane	ND		1.00	0.350	ug/L			04/16/13 12:53	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/16/13 12:53	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/16/13 12:53	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/16/13 12:53	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/16/13 12:53	1
Chloroethane	ND		1.00	0.360	ug/L			04/16/13 12:53	1
Chloroform	ND		1.00	0.230	ug/L			04/16/13 12:53	1
Chloromethane	ND		1.00	0.300	ug/L			04/16/13 12:53	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/16/13 12:53	1
cis-1,3-Dichloropropene	ND		1.00	0.120	ug/L			04/16/13 12:53	1
Dibromomethane	ND		1.00	0.310	ug/L			04/16/13 12:53	1
Dichlorodifluoromethane	ND		1.00	0.440	ug/L			04/16/13 12:53	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/16/13 12:53	1
Hexachlorobutadiene	ND		2.00	0.210	ug/L			04/16/13 12:53	1
Isopropylbenzene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
Methyl tert-butyl ether	ND		1.00	0.120	ug/L			04/16/13 12:53	1

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

Lab Sample ID: MB 490-72658/7
Matrix: Water
Analysis Batch: 72658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.00	0.160	ug/L			04/16/13 12:53	1
Naphthalene	ND		5.00	0.210	ug/L			04/16/13 12:53	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/16/13 12:53	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
Styrene	ND		1.00	0.200	ug/L			04/16/13 12:53	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
Tetrachloroethene	ND		1.00	0.250	ug/L			04/16/13 12:53	1
Toluene	ND		1.00	0.170	ug/L			04/16/13 12:53	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/16/13 12:53	1
trans-1,3-Dichloropropene	ND		1.00	0.110	ug/L			04/16/13 12:53	1
Trichloroethene	ND		1.00	0.200	ug/L			04/16/13 12:53	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/16/13 12:53	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/16/13 12:53	1
Xylenes, Total	ND		3.00	0.180	ug/L			04/16/13 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*04/16/13 12:53*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*04/16/13 12:53*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*04/16/13 12:53*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/16/13 12:53*	*1*

Lab Sample ID: LCS 490-72658/3
Matrix: Water
Analysis Batch: 72658

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	53.86		ug/L		108	74 - 135
1,1,1-Trichloroethane	50.0	56.14		ug/L		112	78 - 135
1,1,2,2-Tetrachloroethane	50.0	57.02		ug/L		114	69 - 131
1,1,2-Trichloroethane	50.0	52.54		ug/L		105	80 - 124
1,1-Dichloroethane	50.0	52.62		ug/L		105	78 - 125
1,1-Dichloroethene	50.0	59.95		ug/L		120	79 - 124
1,1-Dichloropropene	50.0	52.58		ug/L		105	80 - 122
1,2,3-Trichlorobenzene	50.0	60.52		ug/L		121	62 - 133
1,2,3-Trichloropropane	50.0	61.46		ug/L		123	70 - 131
1,2,4-Trichlorobenzene	50.0	58.28		ug/L		117	63 - 133
1,2,4-Trimethylbenzene	50.0	54.29		ug/L		109	77 - 126
1,2-Dibromo-3-Chloropropane	50.0	60.20		ug/L		120	54 - 125
1,2-Dibromoethane (EDB)	50.0	56.92		ug/L		114	80 - 129
1,2-Dichlorobenzene	50.0	53.98		ug/L		108	80 - 121
1,2-Dichloroethane	50.0	57.20		ug/L		114	77 - 121
1,2-Dichloropropane	50.0	47.74		ug/L		95	75 - 120
1,3,5-Trimethylbenzene	50.0	55.45		ug/L		111	77 - 127
1,3-Dichlorobenzene	50.0	53.69		ug/L		107	80 - 122
1,3-Dichloropropane	50.0	54.50		ug/L		109	80 - 125
1,4-Dichlorobenzene	50.0	54.18		ug/L		108	80 - 120

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

Lab Sample ID: LCS 490-72658/3
Matrix: Water
Analysis Batch: 72658

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	58.55		ug/L		117	43 - 161
2-Butanone (MEK)	250	279.4		ug/L		112	62 - 133
2-Chlorotoluene	50.0	53.19		ug/L		106	75 - 126
2-Hexanone	250	268.7		ug/L		107	60 - 142
4-Chlorotoluene	50.0	54.55		ug/L		109	75 - 130
4-Methyl-2-pentanone (MIBK)	250	268.3		ug/L		107	60 - 137
Acetone	250	278.3		ug/L		111	54 - 145
Benzene	50.0	50.61		ug/L		101	80 - 121
Bromobenzene	50.0	56.53		ug/L		113	68 - 130
Bromochloromethane	50.0	54.92		ug/L		110	78 - 129
Bromodichloromethane	50.0	58.84		ug/L		118	75 - 129
Bromoform	50.0	60.45		ug/L		121	46 - 145
Bromomethane	50.0	55.00		ug/L		110	41 - 150
Carbon disulfide	50.0	47.90		ug/L		96	77 - 126
Carbon tetrachloride	50.0	58.57		ug/L		117	64 - 147
Chlorobenzene	50.0	52.69		ug/L		105	80 - 120
Chlorodibromomethane	50.0	60.26		ug/L		121	69 - 133
Chloroethane	50.0	46.65		ug/L		93	72 - 120
Chloroform	50.0	51.94		ug/L		104	73 - 129
Chloromethane	50.0	42.93		ug/L		86	12 - 150
cis-1,2-Dichloroethene	50.0	52.11		ug/L		104	76 - 125
cis-1,3-Dichloropropene	50.0	54.55		ug/L		109	74 - 140
Dibromomethane	50.0	57.59		ug/L		115	71 - 125
Dichlorodifluoromethane	50.0	65.10	*	ug/L		130	37 - 127
Ethylbenzene	50.0	53.16		ug/L		106	80 - 130
Hexachlorobutadiene	50.0	46.89		ug/L		94	49 - 146
Isopropylbenzene	50.0	54.32		ug/L		109	80 - 141
Methyl tert-butyl ether	50.0	56.84		ug/L		114	72 - 133
Methylene Chloride	50.0	51.70		ug/L		103	79 - 123
Naphthalene	50.0	66.13		ug/L		132	62 - 138
n-Butylbenzene	50.0	56.89		ug/L		114	68 - 132
N-Propylbenzene	50.0	53.26		ug/L		107	75 - 129
p-Isopropyltoluene	50.0	55.14		ug/L		110	75 - 128
sec-Butylbenzene	50.0	55.21		ug/L		110	76 - 128
Styrene	50.0	55.79		ug/L		112	80 - 127
tert-Butylbenzene	50.0	54.45		ug/L		109	76 - 126
Tetrachloroethene	50.0	51.53		ug/L		103	80 - 126
Toluene	50.0	51.90		ug/L		104	80 - 126
trans-1,2-Dichloroethene	50.0	54.61		ug/L		109	79 - 126
trans-1,3-Dichloropropene	50.0	57.06		ug/L		114	63 - 134
Trichloroethene	50.0	51.99		ug/L		104	80 - 123
Trichlorofluoromethane	50.0	50.79		ug/L		102	65 - 124
Vinyl chloride	50.0	48.15		ug/L		96	68 - 120
Xylenes, Total	150	160.4		ug/L		107	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: LCS 490-72658/3
Matrix: Water
Analysis Batch: 72658

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 490-72658/4
Matrix: Water
Analysis Batch: 72658

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	53.29		ug/L		107	74 - 135	1	16
1,1,1-Trichloroethane	50.0	55.27		ug/L		111	78 - 135	2	17
1,1,2,2-Tetrachloroethane	50.0	56.91		ug/L		114	69 - 131	0	20
1,1,2-Trichloroethane	50.0	51.49		ug/L		103	80 - 124	2	15
1,1-Dichloroethane	50.0	52.14		ug/L		104	78 - 125	1	17
1,1-Dichloroethene	50.0	59.87		ug/L		120	79 - 124	0	17
1,1-Dichloropropene	50.0	51.95		ug/L		104	80 - 122	1	17
1,2,3-Trichlorobenzene	50.0	61.98		ug/L		124	62 - 133	2	25
1,2,3-Trichloropropane	50.0	61.85		ug/L		124	70 - 131	1	19
1,2,4-Trichlorobenzene	50.0	59.64		ug/L		119	63 - 133	2	19
1,2,4-Trimethylbenzene	50.0	53.44		ug/L		107	77 - 126	2	16
1,2-Dibromo-3-Chloropropane	50.0	60.87		ug/L		122	54 - 125	1	24
1,2-Dibromoethane (EDB)	50.0	55.56		ug/L		111	80 - 129	2	15
1,2-Dichlorobenzene	50.0	54.91		ug/L		110	80 - 121	2	15
1,2-Dichloroethane	50.0	55.96		ug/L		112	77 - 121	2	17
1,2-Dichloropropane	50.0	46.86		ug/L		94	75 - 120	2	17
1,3,5-Trimethylbenzene	50.0	54.46		ug/L		109	77 - 127	2	17
1,3-Dichlorobenzene	50.0	53.00		ug/L		106	80 - 122	1	15
1,3-Dichloropropane	50.0	52.46		ug/L		105	80 - 125	4	14
1,4-Dichlorobenzene	50.0	53.50		ug/L		107	80 - 120	1	15
2,2-Dichloropropane	50.0	57.56		ug/L		115	43 - 161	2	18
2-Butanone (MEK)	250	279.5		ug/L		112	62 - 133	0	19
2-Chlorotoluene	50.0	52.64		ug/L		105	75 - 126	1	17
2-Hexanone	250	260.8		ug/L		104	60 - 142	3	15
4-Chlorotoluene	50.0	54.01		ug/L		108	75 - 130	1	18
4-Methyl-2-pentanone (MIBK)	250	261.8		ug/L		105	60 - 137	2	17
Acetone	250	260.2		ug/L		104	54 - 145	7	21
Benzene	50.0	50.15		ug/L		100	80 - 121	1	17
Bromobenzene	50.0	56.17		ug/L		112	68 - 130	1	20
Bromochloromethane	50.0	53.00		ug/L		106	78 - 129	4	17
Bromodichloromethane	50.0	57.99		ug/L		116	75 - 129	1	18
Bromoform	50.0	57.97		ug/L		116	46 - 145	4	16
Bromomethane	50.0	54.65		ug/L		109	41 - 150	1	50
Carbon disulfide	50.0	47.13		ug/L		94	77 - 126	2	21
Carbon tetrachloride	50.0	56.23		ug/L		112	64 - 147	4	19
Chlorobenzene	50.0	51.71		ug/L		103	80 - 120	2	14
Chlorodibromomethane	50.0	58.83		ug/L		118	69 - 133	2	15
Chloroethane	50.0	46.10		ug/L		92	72 - 120	1	20
Chloroform	50.0	50.81		ug/L		102	73 - 129	2	18
Chloromethane	50.0	41.51		ug/L		83	12 - 150	3	31

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

Lab Sample ID: LCSD 490-72658/4
Matrix: Water
Analysis Batch: 72658

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	50.0	50.94		ug/L		102	76 - 125	2	17
cis-1,3-Dichloropropene	50.0	53.85		ug/L		108	74 - 140	1	15
Dibromomethane	50.0	55.87		ug/L		112	71 - 125	3	16
Dichlorodifluoromethane	50.0	63.32		ug/L		127	37 - 127	3	18
Ethylbenzene	50.0	52.43		ug/L		105	80 - 130	1	15
Hexachlorobutadiene	50.0	48.57		ug/L		97	49 - 146	4	23
Isopropylbenzene	50.0	53.42		ug/L		107	80 - 141	2	16
Methyl tert-butyl ether	50.0	56.44		ug/L		113	72 - 133	1	16
Methylene Chloride	50.0	50.80		ug/L		102	79 - 123	2	17
Naphthalene	50.0	66.88		ug/L		134	62 - 138	1	26
n-Butylbenzene	50.0	58.62		ug/L		117	68 - 132	3	18
N-Propylbenzene	50.0	52.36		ug/L		105	75 - 129	2	17
p-Isopropyltoluene	50.0	54.37		ug/L		109	75 - 128	1	16
sec-Butylbenzene	50.0	54.83		ug/L		110	76 - 128	1	16
Styrene	50.0	54.44		ug/L		109	80 - 127	2	24
tert-Butylbenzene	50.0	54.17		ug/L		108	76 - 126	1	16
Tetrachloroethene	50.0	50.90		ug/L		102	80 - 126	1	16
Toluene	50.0	51.24		ug/L		102	80 - 126	1	15
trans-1,2-Dichloroethene	50.0	53.91		ug/L		108	79 - 126	1	16
trans-1,3-Dichloropropene	50.0	55.86		ug/L		112	63 - 134	2	14
Trichloroethene	50.0	50.67		ug/L		101	80 - 123	3	17
Trichlorofluoromethane	50.0	52.86		ug/L		106	65 - 124	4	18
Vinyl chloride	50.0	46.47		ug/L		93	68 - 120	4	17
Xylenes, Total	150	157.4		ug/L		105	80 - 132	2	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 490-24123-1 MS
Matrix: Water
Analysis Batch: 72658

Client Sample ID: 32015 MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		50.0	56.34		ug/L		113	73 - 141
1,1,1-Trichloroethane	ND		50.0	60.39		ug/L		121	76 - 149
1,1,2,2-Tetrachloroethane	ND		50.0	67.64		ug/L		135	56 - 143
1,1,2-Trichloroethane	ND		50.0	56.98		ug/L		114	74 - 134
1,1-Dichloroethane	ND		50.0	60.81		ug/L		122	71 - 139
1,1-Dichloroethene	ND		50.0	69.26		ug/L		139	70 - 142
1,1-Dichloropropene	ND		50.0	61.30		ug/L		123	76 - 139
1,2,3-Trichlorobenzene	ND		50.0	62.77		ug/L		126	55 - 138
1,2,3-Trichloropropane	ND		50.0	69.03		ug/L		138	53 - 144
1,2,4-Trichlorobenzene	ND		50.0	63.23		ug/L		126	60 - 136
1,2,4-Trimethylbenzene	ND		50.0	64.37		ug/L		129	69 - 136
1,2-Dibromo-3-Chloropropane	ND		50.0	66.13	F	ug/L		132	52 - 126

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

Lab Sample ID: 490-24123-1 MS
Matrix: Water
Analysis Batch: 72658

Client Sample ID: 32015 MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	ND		50.0	61.13		ug/L		122	75 - 137
1,2-Dichlorobenzene	ND		50.0	59.83		ug/L		120	79 - 128
1,2-Dichloroethane	ND		50.0	56.74		ug/L		113	64 - 136
1,2-Dichloropropane	ND		50.0	54.40		ug/L		109	67 - 131
1,3,5-Trimethylbenzene	ND		50.0	65.22		ug/L		130	69 - 139
1,3-Dichlorobenzene	ND		50.0	61.13		ug/L		122	77 - 131
1,3-Dichloropropane	ND		50.0	57.27		ug/L		115	72 - 134
1,4-Dichlorobenzene	ND		50.0	60.69		ug/L		121	78 - 126
2,2-Dichloropropane	ND		50.0	60.68		ug/L		121	37 - 175
2-Butanone (MEK)	ND		250	301.2		ug/L		120	50 - 138
2-Chlorotoluene	ND		50.0	63.98		ug/L		128	67 - 138
2-Hexanone	ND		250	306.7		ug/L		123	50 - 150
4-Chlorotoluene	ND		50.0	63.58		ug/L		127	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		250	306.5		ug/L		123	50 - 147
Acetone	ND		250	281.3		ug/L		113	45 - 141
Benzene	ND		50.0	59.10		ug/L		118	75 - 133
Bromobenzene	ND		50.0	67.23		ug/L		134	60 - 138
Bromochloromethane	ND		50.0	60.26		ug/L		121	67 - 139
Bromodichloromethane	ND		50.0	61.86		ug/L		124	70 - 140
Bromoform	ND		50.0	58.34		ug/L		117	42 - 147
Bromomethane	ND		50.0	54.15		ug/L		108	16 - 163
Carbon disulfide	ND		50.0	54.12		ug/L		108	48 - 152
Carbon tetrachloride	ND		50.0	59.97		ug/L		120	62 - 164
Chlorobenzene	ND		50.0	57.74		ug/L		115	80 - 129
Chlorodibromomethane	ND		50.0	60.12		ug/L		120	66 - 140
Chloroethane	ND		50.0	54.85		ug/L		110	58 - 137
Chloroform	ND		50.0	56.86		ug/L		114	66 - 138
Chloromethane	ND		50.0	45.08		ug/L		90	10 - 169
cis-1,2-Dichloroethene	ND		50.0	58.38		ug/L		117	68 - 138
cis-1,3-Dichloropropene	ND		50.0	58.82		ug/L		118	71 - 141
Dibromomethane	ND		50.0	61.18		ug/L		122	58 - 140
Dichlorodifluoromethane	ND	*	50.0	57.22		ug/L		114	40 - 127
Ethylbenzene	ND		50.0	60.70		ug/L		121	79 - 139
Hexachlorobutadiene	ND		50.0	46.98		ug/L		94	45 - 155
Isopropylbenzene	ND		50.0	61.01		ug/L		122	80 - 153
Methyl tert-butyl ether	ND		50.0	61.17		ug/L		122	66 - 141
Methylene Chloride	ND		50.0	57.86		ug/L		116	64 - 139
Naphthalene	ND		50.0	80.00	F	ug/L		160	55 - 140
n-Butylbenzene	ND		50.0	66.41		ug/L		133	66 - 141
N-Propylbenzene	ND		50.0	64.38		ug/L		129	69 - 142
p-Isopropyltoluene	ND		50.0	64.00		ug/L		128	71 - 137
sec-Butylbenzene	ND		50.0	66.14		ug/L		132	73 - 138
Styrene	0.515	J	50.0	60.97		ug/L		121	61 - 148
tert-Butylbenzene	ND		50.0	65.35		ug/L		131	70 - 138
Tetrachloroethene	ND		50.0	57.61		ug/L		115	72 - 145
Toluene	ND		50.0	59.06		ug/L		118	75 - 136
trans-1,2-Dichloroethene	ND		50.0	62.17		ug/L		124	66 - 143
trans-1,3-Dichloropropene	ND		50.0	58.57		ug/L		117	59 - 135

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

Lab Sample ID: 490-24123-1 MS
Matrix: Water
Analysis Batch: 72658

Client Sample ID: 32015 MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		50.0	60.43		ug/L		121	73 - 144
Trichlorofluoromethane	ND		50.0	53.82		ug/L		108	58 - 139
Vinyl chloride	ND		50.0	52.91		ug/L		106	56 - 129
Xylenes, Total	ND		150	176.9		ug/L		118	74 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-24123-1 MSD
Matrix: Water
Analysis Batch: 72658

Client Sample ID: 32015 MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	59.33		ug/L		119	73 - 141	5	16
1,1,1-Trichloroethane	ND		50.0	63.15		ug/L		126	76 - 149	4	17
1,1,2,2-Tetrachloroethane	ND		50.0	68.42		ug/L		137	56 - 143	1	20
1,1,2-Trichloroethane	ND		50.0	59.88		ug/L		120	74 - 134	5	15
1,1-Dichloroethane	ND		50.0	62.09		ug/L		124	71 - 139	2	17
1,1-Dichloroethene	ND		50.0	71.95	F	ug/L		144	70 - 142	4	17
1,1-Dichloropropene	ND		50.0	63.10		ug/L		126	76 - 139	3	17
1,2,3-Trichlorobenzene	ND		50.0	69.12		ug/L		138	55 - 138	10	25
1,2,3-Trichloropropane	ND		50.0	69.80		ug/L		140	53 - 144	1	19
1,2,4-Trichlorobenzene	ND		50.0	68.48	F	ug/L		137	60 - 136	8	19
1,2,4-Trimethylbenzene	ND		50.0	65.15		ug/L		130	69 - 136	1	16
1,2-Dibromo-3-Chloropropane	ND		50.0	70.38	F	ug/L		141	52 - 126	6	24
1,2-Dibromoethane (EDB)	ND		50.0	64.20		ug/L		128	75 - 137	5	15
1,2-Dichlorobenzene	ND		50.0	62.02		ug/L		124	79 - 128	4	15
1,2-Dichloroethane	ND		50.0	58.38		ug/L		117	64 - 136	3	17
1,2-Dichloropropane	ND		50.0	56.32		ug/L		113	67 - 131	3	17
1,3,5-Trimethylbenzene	ND		50.0	66.62		ug/L		133	69 - 139	2	17
1,3-Dichlorobenzene	ND		50.0	62.04		ug/L		124	77 - 131	1	15
1,3-Dichloropropane	ND		50.0	60.79		ug/L		122	72 - 134	6	14
1,4-Dichlorobenzene	ND		50.0	61.74		ug/L		123	78 - 126	2	15
2,2-Dichloropropane	ND		50.0	61.89		ug/L		124	37 - 175	2	18
2-Butanone (MEK)	ND		250	314.6		ug/L		126	50 - 138	4	19
2-Chlorotoluene	ND		50.0	64.83		ug/L		130	67 - 138	1	17
2-Hexanone	ND		250	321.5		ug/L		129	50 - 150	5	15
4-Chlorotoluene	ND		50.0	64.82		ug/L		130	69 - 138	2	18
4-Methyl-2-pentanone (MIBK)	ND		250	319.8		ug/L		128	50 - 147	4	17
Acetone	ND		250	278.9		ug/L		112	45 - 141	1	21
Benzene	ND		50.0	60.86		ug/L		122	75 - 133	3	17
Bromobenzene	ND		50.0	68.62		ug/L		137	60 - 138	2	20
Bromochloromethane	ND		50.0	61.14		ug/L		122	67 - 139	1	17
Bromodichloromethane	ND		50.0	64.15		ug/L		128	70 - 140	4	18
Bromoform	ND		50.0	61.89		ug/L		124	42 - 147	6	16

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

Lab Sample ID: 490-24123-1 MSD
Matrix: Water
Analysis Batch: 72658

Client Sample ID: 32015 MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		50.0	63.26		ug/L		127	16 - 163	16	50
Carbon disulfide	ND		50.0	56.35		ug/L		113	48 - 152	4	21
Carbon tetrachloride	ND		50.0	61.95		ug/L		124	62 - 164	3	19
Chlorobenzene	ND		50.0	60.89		ug/L		122	80 - 129	5	14
Chlorodibromomethane	ND		50.0	63.35		ug/L		127	66 - 140	5	15
Chloroethane	ND		50.0	56.69		ug/L		113	58 - 137	3	20
Chloroform	ND		50.0	58.72		ug/L		117	66 - 138	3	18
Chloromethane	ND		50.0	45.96		ug/L		92	10 - 169	2	31
cis-1,2-Dichloroethene	ND		50.0	58.97		ug/L		118	68 - 138	1	17
cis-1,3-Dichloropropene	ND		50.0	61.90		ug/L		124	71 - 141	5	15
Dibromomethane	ND		50.0	62.54		ug/L		125	58 - 140	2	16
Dichlorodifluoromethane	ND	*	50.0	59.18		ug/L		118	40 - 127	3	18
Ethylbenzene	ND		50.0	63.11		ug/L		126	79 - 139	4	15
Hexachlorobutadiene	ND		50.0	52.31		ug/L		105	45 - 155	11	23
Isopropylbenzene	ND		50.0	63.41		ug/L		127	80 - 153	4	16
Methyl tert-butyl ether	ND		50.0	62.54		ug/L		125	66 - 141	2	16
Methylene Chloride	ND		50.0	59.07		ug/L		118	64 - 139	2	17
Naphthalene	ND		50.0	80.14	F	ug/L		160	55 - 140	0	26
n-Butylbenzene	ND		50.0	68.48		ug/L		137	66 - 141	3	18
N-Propylbenzene	ND		50.0	65.98		ug/L		132	69 - 142	2	17
p-Isopropyltoluene	ND		50.0	65.38		ug/L		131	71 - 137	2	16
sec-Butylbenzene	ND		50.0	67.65		ug/L		135	73 - 138	2	16
Styrene	0.515	J	50.0	63.92		ug/L		127	61 - 148	5	24
tert-Butylbenzene	ND		50.0	66.94		ug/L		134	70 - 138	2	16
Tetrachloroethene	ND		50.0	60.80		ug/L		122	72 - 145	5	16
Toluene	ND		50.0	61.77		ug/L		124	75 - 136	4	15
trans-1,2-Dichloroethene	ND		50.0	64.33		ug/L		129	66 - 143	3	16
trans-1,3-Dichloropropene	ND		50.0	60.96		ug/L		122	59 - 135	4	14
Trichloroethene	ND		50.0	61.99		ug/L		124	73 - 144	3	17
Trichlorofluoromethane	ND		50.0	53.00		ug/L		106	58 - 139	2	18
Vinyl chloride	ND		50.0	55.28		ug/L		111	56 - 129	4	17
Xylenes, Total	ND		150	183.0		ug/L		122	74 - 141	3	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 490-72627/1-A
Matrix: Water
Analysis Batch: 72903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00600	0.00270	mg/L		04/16/13 08:26	04/16/13 22:05	1
Arsenic	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:05	1

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

Lab Sample ID: MB 490-72627/1-A
Matrix: Water
Analysis Batch: 72903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0100	0.00700	mg/L		04/16/13 08:26	04/16/13 22:05	1
Beryllium	ND		0.00400	0.000400	mg/L		04/16/13 08:26	04/16/13 22:05	1
Cadmium	ND		0.00100	0.000300	mg/L		04/16/13 08:26	04/16/13 22:05	1
Chromium	ND		0.00500	0.00150	mg/L		04/16/13 08:26	04/16/13 22:05	1
Cobalt	ND		0.0200	0.000500	mg/L		04/16/13 08:26	04/16/13 22:05	1
Copper	ND		0.0100	0.00600	mg/L		04/16/13 08:26	04/16/13 22:05	1
Lead	ND		0.00500	0.00200	mg/L		04/16/13 08:26	04/16/13 22:05	1
Nickel	ND		0.0100	0.00200	mg/L		04/16/13 08:26	04/16/13 22:05	1
Selenium	ND		0.0100	0.00400	mg/L		04/16/13 08:26	04/16/13 22:05	1
Silver	ND		0.00500	0.00250	mg/L		04/16/13 08:26	04/16/13 22:05	1
Thallium	ND		0.00500	0.00330	mg/L		04/16/13 08:26	04/16/13 22:05	1
Vanadium	ND		0.0200	0.00940	mg/L		04/16/13 08:26	04/16/13 22:05	1
Zinc	ND		0.0500	0.0170	mg/L		04/16/13 08:26	04/16/13 22:05	1

Lab Sample ID: LCS 490-72627/2-A
Matrix: Water
Analysis Batch: 72903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.100	0.08490		mg/L		85	80 - 120
Arsenic	0.0500	0.04510		mg/L		90	80 - 120
Barium	2.00	1.973		mg/L		99	80 - 120
Beryllium	0.0500	0.04960		mg/L		99	80 - 120
Cadmium	0.0500	0.05070		mg/L		101	80 - 120
Chromium	0.200	0.2012		mg/L		101	80 - 120
Cobalt	0.500	0.4743		mg/L		95	80 - 120
Copper	0.250	0.2332		mg/L		93	80 - 120
Lead	0.0500	0.04750		mg/L		95	80 - 120
Nickel	0.500	0.4933		mg/L		99	80 - 120
Selenium	0.0500	0.05430		mg/L		109	80 - 120
Silver	0.0500	0.04850		mg/L		97	80 - 120
Thallium	0.0500	0.04850		mg/L		97	80 - 120
Vanadium	0.500	0.4934		mg/L		99	80 - 120
Zinc	0.500	0.4940		mg/L		99	80 - 120

Lab Sample ID: LCSD 490-72627/3-A
Matrix: Water
Analysis Batch: 72903

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72627

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.100	0.09410		mg/L		94	80 - 120	10	20
Arsenic	0.0500	0.04680		mg/L		94	80 - 120	4	20
Barium	2.00	2.050		mg/L		103	80 - 120	4	20
Beryllium	0.0500	0.05140		mg/L		103	80 - 120	4	20
Cadmium	0.0500	0.05250		mg/L		105	80 - 120	3	20
Chromium	0.200	0.2074		mg/L		104	80 - 120	3	20
Cobalt	0.500	0.4945		mg/L		99	80 - 120	4	20
Copper	0.250	0.2507		mg/L		100	80 - 120	7	20
Lead	0.0500	0.04970		mg/L		99	80 - 120	5	20

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

Lab Sample ID: LCSD 490-72627/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 72903 — **Prep Batch: 72627**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	0.500	0.5130		mg/L		103	80 - 120	4	20
Selenium	0.0500	0.05510		mg/L		110	80 - 120	1	20
Silver	0.0500	0.05130		mg/L		103	80 - 120	6	20
Thallium	0.0500	0.05210		mg/L		104	80 - 120	7	20
Vanadium	0.500	0.5138		mg/L		103	80 - 120	4	20
Zinc	0.500	0.5107		mg/L		102	80 - 120	3	20

Lab Sample ID: 490-24159-D-3-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 72903 — **Prep Batch: 72627**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		0.100	0.1000		mg/L		100	75 - 125
Arsenic	ND		0.0500	0.05060		mg/L		101	75 - 125
Barium	0.112		2.00	2.133		mg/L		101	75 - 125
Beryllium	ND		0.0500	0.05230		mg/L		105	75 - 125
Cadmium	ND		0.0500	0.04780		mg/L		96	75 - 125
Chromium	ND		0.200	0.1989		mg/L		99	75 - 125
Cobalt	ND		0.500	0.4928		mg/L		99	75 - 125
Copper	ND		0.250	0.2468		mg/L		99	75 - 125
Lead	ND		0.0500	0.05090		mg/L		102	75 - 125
Nickel	ND		0.500	0.5026		mg/L		101	75 - 125
Selenium	0.00440	J	0.0500	0.05610		mg/L		103	75 - 125
Silver	ND		0.0500	0.05310		mg/L		106	75 - 125
Thallium	ND		0.0500	0.05570		mg/L		111	75 - 125
Vanadium	ND		0.500	0.5202		mg/L		104	75 - 125
Zinc	0.0206	J	0.500	0.4951		mg/L		95	75 - 125

Lab Sample ID: 490-24159-D-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 72903 — **Prep Batch: 72627**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		0.100	0.09760		mg/L		98	75 - 125	2	20
Arsenic	ND		0.0500	0.05200		mg/L		104	75 - 125	3	20
Barium	0.112		2.00	2.204		mg/L		105	75 - 125	3	20
Beryllium	ND		0.0500	0.05390		mg/L		108	75 - 125	3	20
Cadmium	ND		0.0500	0.04910		mg/L		98	75 - 125	3	20
Chromium	ND		0.200	0.2058		mg/L		103	75 - 125	3	20
Cobalt	ND		0.500	0.5090		mg/L		102	75 - 125	3	20
Copper	ND		0.250	0.2575		mg/L		103	75 - 125	4	20
Lead	ND		0.0500	0.05300		mg/L		106	75 - 125	4	20
Nickel	ND		0.500	0.5200		mg/L		104	75 - 125	3	20
Selenium	0.00440	J	0.0500	0.05540		mg/L		102	75 - 125	1	20
Silver	ND		0.0500	0.05400		mg/L		108	75 - 125	2	20
Thallium	ND		0.0500	0.05440		mg/L		109	75 - 125	2	20
Vanadium	ND		0.500	0.5420		mg/L		108	75 - 125	4	20
Zinc	0.0206	J	0.500	0.5163		mg/L		99	75 - 125	4	20

GC/MS VOA

Analysis Batch: 72658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24123-1	32015 MW-1R	Total/NA	Water	8260B	
490-24123-1 MS	32015 MW-1R	Total/NA	Water	8260B	
490-24123-1 MSD	32015 MW-1R	Total/NA	Water	8260B	
490-24123-2	32015 MW-12	Total/NA	Water	8260B	
490-24123-3	32015 MW-13	Total/NA	Water	8260B	
490-24123-4	32015 MW-14	Total/NA	Water	8260B	
490-24123-5	32015 SW-1	Total/NA	Water	8260B	
490-24123-6	32015 SW-2	Total/NA	Water	8260B	
490-24123-7	32015 TRIP BLANK	Total/NA	QC Water (Blank Sample)	8260B	
490-24123-8	32015 FIELD BLANK	Total/NA	QC Water (Blank Sample)	8260B	
LCS 490-72658/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-72658/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-72658/7	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 72627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24123-1	32015 MW-1R	Total/NA	Water	3010A	
490-24123-2	32015 MW-12	Total/NA	Water	3010A	
490-24123-3	32015 MW-13	Total/NA	Water	3010A	
490-24123-4	32015 MW-14	Total/NA	Water	3010A	
490-24123-5	32015 SW-1	Total/NA	Water	3010A	
490-24123-6	32015 SW-2	Total/NA	Water	3010A	
490-24123-7	32015 TRIP BLANK	Total/NA	QC Water (Blank Sample)	3010A	
490-24123-8	32015 FIELD BLANK	Total/NA	QC Water (Blank Sample)	3010A	
490-24159-D-3-B MS	Matrix Spike	Total/NA	Water	3010A	
490-24159-D-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
LCS 490-72627/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-72627/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 490-72627/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 72903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24123-1	32015 MW-1R	Total/NA	Water	6010C	72627
490-24123-2	32015 MW-12	Total/NA	Water	6010C	72627
490-24123-3	32015 MW-13	Total/NA	Water	6010C	72627
490-24123-4	32015 MW-14	Total/NA	Water	6010C	72627
490-24123-5	32015 SW-1	Total/NA	Water	6010C	72627
490-24123-6	32015 SW-2	Total/NA	Water	6010C	72627
490-24123-7	32015 TRIP BLANK	Total/NA	QC Water (Blank Sample)	6010C	72627
490-24123-8	32015 FIELD BLANK	Total/NA	QC Water (Blank Sample)	6010C	72627
490-24159-D-3-B MS	Matrix Spike	Total/NA	Water	6010C	72627
490-24159-D-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	72627
LCS 490-72627/2-A	Lab Control Sample	Total/NA	Water	6010C	72627
LCSD 490-72627/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	72627

Metals (Continued)

Analysis Batch: 72903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-72627/1-A	Method Blank	Total/NA	Water	6010C	72627

Lab Chronicle

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 MW-1R

Lab Sample ID: 490-24123-1
Matrix: Water

Date Collected: 04/10/13 09:20
Date Received: 04/12/13 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 17:21	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 22:38	BB	TAL NSH

Client Sample ID: 32015 MW-12

Lab Sample ID: 490-24123-2
Matrix: Water

Date Collected: 04/10/13 11:10
Date Received: 04/12/13 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 17 49	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 22:34	BB	TAL NSH

Client Sample ID: 32015 MW-13

Lab Sample ID: 490-24123-3
Matrix: Water

Date Collected: 04/10/13 13:25
Date Received: 04/12/13 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 18:16	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 23:08	BB	TAL NSH

Client Sample ID: 32015 MW-14

Lab Sample ID: 490-24123-4
Matrix: Water

Date Collected: 04/10/13 13:08
Date Received: 04/12/13 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 18:44	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 22:57	BB	TAL NSH

Client Sample ID: 32015 SW-1

Lab Sample ID: 490-24123-5
Matrix: Water

Date Collected: 04/10/13 11:10
Date Received: 04/12/13 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 19:12	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 22:54	BB	TAL NSH

Lab Chronicle

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Client Sample ID: 32015 SW-2

Lab Sample ID: 490-24123-6

Date Collected: 04/10/13 12:30
Date Received: 04/12/13 13:58

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 19:39	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 23:12	BB	TAL NSH

Client Sample ID: 32015 TRIP BLANK

Lab Sample ID: 490-24123-7

Date Collected: 04/10/13 09:20
Date Received: 04/12/13 13:58

Matrix: QC Water (Blank Sample)

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 16:27	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 23:05	BB	TAL NSH

Client Sample ID: 32015 FIELD BLANK

Lab Sample ID: 490-24123-8

Date Collected: 04/10/13 12:50
Date Received: 04/12/13 13:58

Matrix: QC Water (Blank Sample)

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72658	04/16/13 16:54	BM	TAL NSH
Total/NA	Prep	3010A			72627	04/16/13 08:26	NLI	TAL NSH
Total/NA	Analysis	6010C		1	72903	04/16/13 23:01	BB	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
6010C	Metals (ICP)	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: W.Z. Baumgartner & Associates
Project/Site: 32015

TestAmerica Job ID: 490-24123-1
SDG: 32015

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-24123 Chain of Custody

Cooler Received/Opened On 4/12/13 @ 1195

1. Tracking # n/a (last 4 digits, FedEx)

Courier: Lab Courier IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 47 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO..NA

If yes, how many and where:

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Intial) _____

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (Intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Intial) _____

I certify that I attached a label with the unique LIMS number to each container (Intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1

Revised 11/28/12
4/24/2013

Loc: 490
24123

4/24/2013

Test America

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

Client Name/Account #: W. Z. Baumgartner and Associates, Inc. (4016)
Address: P.O. Box 680369
City/State/Zip: Franklin, TN 37068-0369
Project Manager:
Telephone Number: (615) 595-0025 Fax No.: (615) 595-1595
Sampler Name: (Print)
Sampler Signature:

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring? Yes ____ No ____
Enforcement Action? Yes ____ No ____
Site State: NC
PO#:
TA Quote #:
Project ID:
Project #: 32015

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify): DI H_2O	Analyze For: SEE ATTACHED									RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
MW-11	4/10/13	0920	4	X			X	1	3						X						X										X		X
MW-12	4/10/13	1110	4	X			X	1	3						X						X										X		X
MW-13	4/10/13	1325	4	X			X	1	3						X						X										X		X
MW-14	4/10/13	1308	4	X			X	1	3						X						X										X		X
SW-1	4/10/13	1110	4	X			X	1	3						X						X										X		X
SW-2	4/10/13	1230	4	X			X	1	3						X						X										X		X
TRIP BLANK	4/10/13	0920	4				X	1	3											X	X										X		X
FIELD BLANK	4/10/13	1250	4				X	1	3											X	X										X		X

Special Instructions: NEEDS TO MEET NC SWSL, REPORT QC SEPARATE IN EDD

Date Needed if RUSH:
Method of Shipment:

Laboratory Comments:
Temperature Upon Receipt: 4°C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	4/12/13		[signature]	4/12/13	1145
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

Loc: 490
24123
#1
B

4/24/2013

Test America

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

Client Name/Account #: W. Z. Baumgartner and Associates, Inc. (4016)
Address: P.O. Box 680369
City/State/Zip: Franklin, TN 67066-0369
Project Manager:
Telephone Number: (615) 595-0025 Fax No.: (615) 595-1595
Sampler Name: (Print)
Sampler Signature:

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring? Yes ____ No ____
Enforcement Action? Yes ____ No ____

Site State: NC
PO#:
TA Quote #:
Project ID:
Project #: 32015

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	Preservative: HNO_3 (Red Label)	Preservative: HCl (Blue Label)	Preservative: NaOH (Orange Label)	Preservative: H_2SO_4 Plastic (Yellow Label)	Preservative: H_2SO_4 Glass (Yellow Label)	Preservative: None (Black Label)	Preservative: Other (Specify)	Matrix: Groundwater	Matrix: Wastewater	Matrix: Drinking Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: See Attached List	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
MW-1R	4/10/13		4	X			X	1	3						X						X		X		X
MW-12	4/10/13		4	X			X	1	3						X						X		X		X
MW-13	4/10/13		4	X			X	1	3						X						X		X		X
MW-14	4/10/13		4	X			X	1	3						X						X		X		X
SW-1	4/10/13		4	X			X	1	3						X						X		X		X
SW-2	4/10/13		4	X			X	1	3						X						X		X		X
Field Blank	4/10/13		4	X			X	1	3												X		X		X
Trip Blank	4/10/13		4	X			X	1	3												X		X		X

Special Instructions: All MDLs must meet NC SWSL
QC - report separately in EDD

Date Needed if RUSH:
Method of Shipment:

Laboratory Comments:
Temperature Upon Receipt: 4.7c
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]			[signature]	4-12-13	930
Relinquished by: [signature]	Date 4.12.13	Time 930 1145	Received by TestAmerica: [signature]	Date 4-12-13	Time 1145

Parameter List For Project 32015

Loc: 490
24123
#1
A

Metals:

- Antimony
- Arsenic
- Beryllium
- Barium
- cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Nickel
- Selenium
- Silver
- Thallium
- Vanadium
- Zinc

VOCs:

- SW-846-8260B

All MDLs must meet NC SWSL
QC must be reported separately in the EDD

Login Sample Receipt Checklist

Client: W.Z. Baumgartner & Associates

Job Number: 490-24123-1
SDG Number: 32015

Login Number: 24123
List Number: 1
Creator: Hayes, Ken

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	