December 24, 2014

Ms. Robin Futch
Georgia Department of Natural Resources
Response and Remediation Program
2 Martin Luther King, Jr. Drive
S.E. Suite 1462, East Tower
Atlanta, Georgia 30334-9000

RE: Voluntary Remediation Program Semi-Annual Progress Report #5
Tara Shopping Center
8564 Tara Boulevard, Jonesboro, Clayton County, Georgia
Tax Parcel ID 13242D B001; HSI Site No. 10798

Dear Ms. Futch,

On behalf of Ashland Inc. (Ashland), EHS Support LLC (EHS Support) is submitting this Semi-Annual Progress Report for the project referenced above. The purpose of this progress report is to provide a summary of activities completed under the Voluntary Remediation Program between July 2014 and December 2014. A summary of professional service time is provided as **Attachment A**.

1.0 Source Area Remediation Performance Monitoring

On June 22 and 23, 2014, the first post soil remediation groundwater sampling event was completed approximately eight months after completion of in-situ solidification/stabilization soil treatment activities at the former dry cleaning site (8564 Tara Boulevard). In response to source area remediation of unsaturated and saturated soils, Ashland proposed to implement a semi-annual monitoring event to evaluate the responsiveness of groundwater in the vicinity of treated soil.

Groundwater samples were collected from 14 monitoring wells (MW-3A/3B, MW-8A/8B/8C, MW-9A/9B/9C, MW-10A/10B/10C and MW-11A/11B/11C). These wells are immediately down gradient and cross gradient of the soil treatment area and are screened with the upper (A) and lower (B) residuum, and shallow bedrock (C) zones. Refer to **Figure 1.** Groundwater samples were collected using low flow purging and sampling techniques in accordance with United States Environmental Protection Agency Operating Procedure SESDPRPC-301-R3. Groundwater samples were sent to TestAmerica Savannah and analyzed for volatile organic compounds (VOCs) using USEPA SW846 method 8260B. A copy of the groundwater sampling logs is provided as **Attachment B**. A copy of the analytical laboratory report is provided on a compact disk as **Attachment C**.

A brief summary of results is provided below. A tabulated summary of analytical results is provided on **Table 1** and presented on **Figure 2**.

Residuum Monitoring Wells
Tetrachloroethene and trichloroethene continue to be detected above the Type 1 Risk Reduction Standard of 5 micrograms per liter in upper residuum monitoring wells MW-3A, MW-8A, MW-9A, and MW-10A and lower residuum monitoring wells MW-8B, MW-10B, and MW-11B. Degradation compound cis-1,2-

dichloroethene was detected in monitoring wells with PCE concentrations exceeding 200 micrograms per liter. Vinyl chloride was not detected in monitoring well sampled.

Bedrock Monitoring Wells
No VOCs were detected above the Type 1 RRS in bedrock monitoring wells sampled during performance monitoring. Tetrachloroethene was detected in bedrock monitoring MW-10C at a concentration of 3.2 micrograms per liter below the Type 1 RRS. Monitoring well cluster MW-10A/10B/10C is located immediately down gradient of the soil treatment area. Refer to **Figure 2**.

Performance Discussion
Analytical results indicate that on-site groundwater down gradient of the soil treatment area has yet to demonstrate response to soil remediation. Based on soil conditions (silty clay), slow response in groundwater is anticipated. Three more semi-annual events will be complete to monitor changes in groundwater concentrations near the soil treatment area. The next sampling event is scheduled for January 2015. The results will be presented in the next semi-annual progress report due to the agency by June 28, 2015.

2.0 Environmental Covenant

A copy of the draft Environmental Covenant specifying the Type 5 restricted use area and site-wide groundwater use restrictions proposed for the property (Tara Shopping Center); and, the draft Monitoring and Maintenance Plan is provided as **Attachment D**. The Environmental Covenant has been updated to reflect the current format changes requested by Georgia EPD. Ashland is requesting EPD's feedback on these documents prior to submittal to the property owner for review and signature.

3.0 Off-Site Groundwater Investigation

3.1 Well Installation

Between August 25, 2014 and September 4, 2014, five monitoring wells were installed southeast and southwest of the Tara Shopping Center. The objective of these monitoring wells was to horizontally delineate groundwater impacts suspected to be from the former dry cleaner property and suspected secondary preferential pathways south of the Site (storm sewer). A summary of the activities is provided below.

Flint River Shopping Center (8639 Tara Boulevard)
One bedrock monitoring well (MW-19D) was installed adjacent to existing monitoring well cluster MW-19A/19B/19C. One deep residuum and one bedrock monitoring well (MW-21B and MW-21C) were installed approximately 815 feet west and down gradient of MW-19D. Refer to **Figure 1**.

177 College Street
Two monitoring wells MW-22A and MW-22B were installed within the upper and lower residuum at 177 College Street, approximately 530 feet southeast of monitoring well cluster MW-13A/B/C. Refer to **Figure 1**.

Monitoring wells were installed using Sonic drilling technology. Monitoring wells locations MW-19D, MW-21C, and MW-22B were continuously logged to total depth to record lithology conditions. Each monitoring well is constructed of a two-inch diameter PVC well casing with a 10-foot screen (0.010-inch slot). A permanent 6-inch steel casing was installed at monitoring wells MW-19D and MW-22C to inhibit the potential for vertical migration of constituents of concern during drilling and well installation activities. Each monitoring well is completed with a locking expansion well cap, flush mount cover and was developed to remove fine materials. A summary of well constructions details is provided on **Table 2**. Soil boring and monitoring well construction logs are currently under construction and will provided as a supplement to **Attachment E.** Completed soil boring and well construction logs for monitoring wells MW-18A/B, MW-19A/B/C and MW-20C installed in 2012 will also be provided**.**

3.2 Survey

Newly installed monitoring wells were surveyed by Travis Pruitt & Associates on November 14, 2014. Existing monitoring wells MW-10A/B/C, MW-11A/B/C and MW-17A were also resurveyed. The geologic cross sections were updated with information obtained from new wells. A cross section location map is provided as **Figure 3**. The lithologic cross sections are presented on **Figure 4**.

3.3 Initial Sampling Event

On November 19 and 20, 2014, groundwater samples were collected from the newly installed monitoring wells (MW-19D, MW-21B/21C and MW-22A/22B) and monitoring wells MW-19A/B/C. Groundwater samples were collected using low flow purging and sampling techniques in accordance with United States Environmental Protection Agency Operating Procedure SESDPRPC-301-R3. Groundwater samples were sent to TestAmerica Savannah and analyzed for VOCs using USEPA SW846 method 8260B. A copy of the groundwater sampling logs is provided as **Attachment B**. A copy of the analytical laboratory report is provided on a compact disk as **Attachment C**.

A brief summary of results is provided below. A tabulated summary of analytical results is provided on **Table 3** and presented on **Figure 5**.

<u>Monitoring well cluster MW-22A/MW-22B</u>
No VOCs were detected above the laboratory report limits at monitoring well cluster MW-22A and MW-22B and indicate groundwater impacts within the residuum are not migrating in a southeast direction from impacted monitoring wells MW-13A/13B/13C.

<u>Monitoring wells MW-21B/21C</u>
No VOCs were detected above the laboratory report limits at monitoring wells MW-21B and MW-21C and therefore, indicate groundwater impacts associated with former dry cleaner operations have been delineated to the southwest within the residuum and bedrock water bearing zones.

<u>Monitoring well cluster MW-19A/19B/19C/19D</u>
Dry cleaner related VOCs were not detected above the laboratory report limits at monitoring well MW-19A (shallow residuum). However, gasoline related VOCs (benzene, ethylbenzene, and xylenes) were detected in exceedance of the Type 1 RRS. The presence of these compounds is related to separate release mechanism and are not associated with groundwater delineation activities under the current VRP program subject to the Tara Shopping Center site.

Tetrachlorethene, trichloroethene, and cis-1,2-dichlorothene were identified above the laboratory reporting limits and above the Type 1 RRSs in lower residuum and bedrock monitoring wells MW-19B/19C and 19D. A decreasing vertical concentration gradient is observed. Refer to **Figure 5**.

3.4 Gauging Event

On November 20, 2014, depth to water measurements were recorded from the entire monitoring well network with the exception of monitoring well MW-12A (was not located in the field). Depth to water measurements were recorded to the nearest 0.01-inch and were used to calculate groundwater elevation data. Refer to **Table 2**. Groundwater flow within the residuum is to the west. Groundwater flow within the bedrock is to the west and northwest. Refer to **Figure 6** through **Figure 8**.

Vertical hydraulic gradients were calculated between the residuum and bedrock water bearing zones. In general, a downward vertical flow gradient is observed between the residuum and bedrock water bearing zones (refer to **Figure 9**). In some instance the elevation gradient was near flat or depicted a slight upward gradient at monitoring well clusters MW-5B/5C, MW-9B/9C, and MW-21B/21C. Vertical gradient values are presented on **Table 2**.

4.0 Off-site Access Update

Provided below is the status of access agreements for those properties discussed on the December 16, 2014 conference call with Georgia EPD.

Parcel 13241C G015 (Undeveloped Vacant Parcel due east of Site)
Attempts to reasonably negotiate an access agreement with the property owner for the purposes of collecting groundwater data due east of 8564 Tara Boulevard have been unsuccessful. Negotiations have ceased with the landowner.

Parcel 13241C G001 (Residential property due south of property above)
As an alternate to the parcel noted above, a request for access was submitted to the owner of Parcel 13241C G001 (117 Fayetteville Road). The property owner approved access; however, upon subsequent site reconnaissance, the property is vacant and presents several access issues (i.e., utility right-of-way, overhead clearance). Further contact with the landowner was pending access to the parcel noted below. Ashland/EHS Support will send a letter to the property owner requesting a meeting to review the scope of work and location of well replacement.

Parcel 13242D A016A/A018 (Commercial property due west of Site)
Multiple unsuccessful attempts have been made to gain access to the Parcel 13242D A016A/A018 (8557 Tara Boulevard). The property owner/representative requested additional time to consider Ashland's request for access based on learning the new of potential environmental impacts at the property. Ashland attempted to contact the property representative on December 16, 2014. No response has been received at this time. Ashland is requesting the Georgia EPD's assistance with access.

5.0 Qualifying Property Status

Inclusion of additional properties within the VRP is still under evaluation.

6.0 Schedule

The next semi-annual progress report will be submitted on or before June 28, 2015.

In the interim, Ashland will continue its attempt to complete groundwater investigation activities at the locations previously discussed with the Georgia EPD. Based on the schedule outlined in Georgia EPD's VRP acceptance letter dated June 28, 2012 and subsequent discussions on December 16, 2014, Ashland is requesting a six-month extension to complete the remaining groundwater investigation work associated with off-site delineation, as well as; preparation of a groundwater remediation plan (and associated costs) to address groundwater impacts migrating off-site.

If you should have any questions regarding the information presented in this progress report, please contact me at michelle.stayrook@ehs-support.com or 412-807-1494. Alternatively you can contact Kristin VanLandingham at k.vanlandingham@ehs-support.com or 850-251-0582

Sincerely,

Michelle Stayrook

Michelle Stayrook
EHS Support
Project Manager

Attachments

cc: Michael Dever, Ashland (email)
Rich Williams, Esq. Ashland (email)
Eric Nathan, Tara Retail Holdings, Inc.
Amy Magee, King and Spalding
Kristin VanLandingham, P.E. EHS Support (email)

CERTIFICATION

"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Kristin A. VanLandingham, P.E./PE035825
Printed Name and GA PE/PG Number

12/22/14
Date

Signature and Stamp

TABLES

Table 1
Post Soil Remediation Groundwater Sampling Results, July 2014
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-3A	MW-3B	MW-8A	MW-8B	DUP-1	MW-8C	MW-9A	MW-9B	MW-9C
Lab Sample Number		680-103647-1	680-103647-2	680-103647-3	680-103647-4	680-103647-15	680-103647-5	680-103647-6	680-103647-7	680-103647-8
Sampling Date		7/22/2014	7/22/2014	7/23/2014	7/23/2014	7/23/2014	7/23/2014	7/23/2014	7/23/2014	7/23/2014
Matrix		Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor		1	1	10	2	1	1	5	1	1
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GC/MS VOA - 8260B		Low	Low	Low	Low	Low	Low	Low	Low	Low
Constituents of Concern										
Tetrachloroethene	5	60	1 U	550	190	150	1 U	370	1 U	1 U
Trichloroethene	5	1.1	1 U	32	2 U	1 U	1 U	230	1 U	1 U
cis-1,2-Dichloroethene	70	1 U	1 U	12	2 U	1 U	1 U	8.5	1 U	1 U
Vinyl chloride	2	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Other VOC Compounds										
1,1,1-Trichloroethane	200	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.2	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
1,1,2-Trichloroethane	5	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
1,1-Dichloroethane	400	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
1,1-Dichloroethene	7	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
1,2-Dichloroethane	5	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
1,2-Dichloropropane	5	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
2-Butanone (MEK)	200	10 U	10 U	100 U	20 U	10 U	18	50 U	10 U	10 U
2-Hexanone	NP	10 U	10 U	100 U	20 U	10 U	10 U	50 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	200	10 U	10 U	100 U	20 U	10 U	10 U	50 U	10 U	10 U
Acetone	400	25 U	25 U	250 U	50 U	25 U	25 U	130 U	25 U	110
Benzene	5	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Bromoform	80	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Bromomethane	NP	5 U	5 U	50 U	10 U	5 U	5 U	25 U	5 U	5 U
Carbon disulfide	400	2 U	2 U	20 U	4 U	2 U	2.3	10 U	2 U	2 U
Carbon tetrachloride	5	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Chlorobenzene	100	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Chlorodibromomethane	80	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Chloroethane	NP	5 U	5 U	50 U	10 U	5 U	5 U	25 U	5 U	5 U
Chloroform	80	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Chloromethane	NP	1 U	1 U	10 U	2 U	1 U	1.3	5 U	1 U	1 U
cis-1,3-Dichloropropene	NP	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Dichlorobromomethane	80	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Ethylbenzene	700	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Methylene Chloride	3	5 U	5 U	50 U	10 U	5 U	5 U	25 U	5 U	5 U
Styrene	100	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Toluene	1,000	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
trans-1,2-Dichloroethene	100	1 U	1 U	10 U	2 U	1 U	1 U	7.3	1 U	1 U
trans-1,3-Dichloropropene	NP	1 U	1 U	10 U	2 U	1 U	1 U	5 U	1 U	1 U
Xylenes, Total	10,000	2 U	2 U	20 U	4 U	2 U	2 U	10 U	2 U	2 U

QUALIFIERS

µg/L - micrograms per liter

U - value not detected above the laboratory reporting limit.

Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 1
Post Soil Remediation Groundwater Sampling Results, July 2014
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-10A	MW-10B	MW-10C	MW-11A	MW-11B	MW-11C
Lab Sample Number		680-103647-9	680-103647-10	680-103647-11	680-103647-12	680-103647-13	680-103647-14
Sampling Date		7/23/2014	7/23/2014	7/23/2014	7/22/2014	7/22/2014	7/22/2014
Matrix		Water	Water	Water	Water	Water	Water
Dilution Factor		5	1	1	5	1	1
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GC/MS VOA - 8260B		Low	Low	Low	Low	Low	Low
Constituents of Concern							
Tetrachloroethene	5	480	76	3.2	5 U	19	1 U
Trichloroethene	5	82	1.8	1 U	5 U	1.8	1 U
cis-1,2-Dichloroethene	70	41	1.7	1 U	5 U	1 U	1 U
Vinyl chloride	2	5 U	1 U	1 U	5 U	1 U	1 U
Other VOC Compounds							
1,1,1-Trichloroethane	200	5 U	1 U	1 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.2	5 U	1 U	1 U	5 U	1 U	1 U
1,1,2-Trichloroethane	5	5 U	1 U	1 U	5 U	1 U	1 U
1,1-Dichloroethane	400	5 U	1 U	1 U	5 U	1 U	1 U
1,1-Dichloroethene	7	5 U	1 U	1 U	5 U	1 U	1 U
1,2-Dichloroethane	5	5 U	1 U	1 U	5 U	1 U	1 U
1,2-Dichloropropane	5	5 U	1 U	1 U	5 U	1 U	1 U
2-Butanone (MEK)	200	50 U	10 U	10 U	50 U	10 U	10 U
2-Hexanone	NP	50 U	10 U	10 U	50 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	200	50 U	10 U	10 U	50 U	10 U	10 U
Acetone	400	130 U	25 U	25 U	130 U	25 U	25 U
Benzene	5	5 U	1 U	1 U	5 U	1 U	1 U
Bromoform	80	5 U	1 U	1 U	5 U	1 U	1 U
Bromomethane	NP	25 U	5 U	5 U	25 U	5 U	5 U
Carbon disulfide	400	10 U	2 U	2 U	10 U	2 U	2 U
Carbon tetrachloride	5	5 U	1 U	1 U	5 U	1 U	1 U
Chlorobenzene	100	5 U	1 U	1 U	5 U	1 U	1 U
Chlorodibromomethane	80	5 U	1 U	1 U	5 U	1 U	1 U
Chloroethane	NP	25 U	5 U	5 U	25 U	5 U	5 U
Chloroform	80	14	1 U	1 U	5 U	1 U	1 U
Chloromethane	NP	5 U	1 U	1 U	5 U	1 U	1 U
cis-1,3-Dichloropropene	NP	5 U	1 U	1 U	5 U	1 U	1 U
Dichlorobromomethane	80	5 U	1 U	1 U	5 U	1 U	1 U
Ethylbenzene	700	5 U	1 U	1 U	5 U	1 U	1 U
Methylene Chloride	3	25 U	5 U	5 U	25 U	5 U	5 U
Styrene	100	5 U	1 U	1 U	5 U	1 U	1 U
Toluene	1,000	5 U	1 U	1 U	5 U	1 U	1 U
trans-1,2-Dichloroethene	100	5 U	1 U	1 U	5 U	1 U	1 U
trans-1,3-Dichloropropene	NP	5 U	1 U	1 U	5 U	1 U	1 U
Xylenes, Total	10,000	10 U	2 U	2 U	10 U	2 U	2 U

QUALIFIERS

µg/L - micrograms per liter

U - value not detected above the laboratory reporting limit.

Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 2
Summary of Monitoring Well Construction Details
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

									11/20/2014			
Well Identification	**Location**	**Water Bearing Unit**	**NORTH**	**EAST**	**Date Installed**	**Screen Interval (ft. bgs)**	**Top of Casing Elevation (ft. above MSL)**	**Ground Surface Elevation (ft. above MSL)**	**Depth to Water (Ft-TOC)**	**Total Depth (Ft-TOC)**	**Groundwater Elevation (ft. above MSL)**	**Vertical Gradient (B Zone to C Zone)**
MW-1A	TSC	Shallow Residuum	1280728.512'	2237033.037'	04/25/06	15.0 - 25.0	898.82	899.14	24.57	24.96	874.25	11.98
MW-1C	TSC	Bedrock	1280733.112'	2237033.284'	04/09/08	83.0 - 98.0	899.01	899.24	36.75	99.45	862.26	
MW-3A	TSC	Shallow Residuum	1280375.587'	2236900.890'	05/03/06	15.0 - 25.0	892.41	892.70	23.06	25.15	869.35	
MW-3B	TSC	Deep Residuum	1280377.249'	2236899.018'	05/03/06	45.0 - 55.0	892.54	892.70	25.13	54.76	867.41	
MW-4A	Prax Air	Shallow Residuum	1280181.203'	2236835.015'	04/28/06	15.0 - 25.0	884.63	884.96	15.69	25.05	868.94	
MW-4B	Prax Air	Deep Residuum	1280181.348'	2236833.013'	04/28/06	50.0 - 60.0	884.67	884.95	16.05	59.05	868.62	
MW-5A	Prax Air	Shallow Residuum	1280100.363'	2236668.589'	05/01/06	15.0 - 25.0	883.48	883.72	15.78	24.85	867.70	
MW-5B	Prax Air	Deep Residuum	1280100.306'	2236671.167'	05/01/06	36.0 - 46.0	883.43	883.72	15.81	45.07	867.62	-0.67
MW-5C	Prax Air	Bedrock	1280104.891'	2236672.327'	04/10/08	75.0 - 90.0	883.64	883.88	15.35	90.00	868.29	
MW-6A	Citgo	Shallow Residuum	1279728.846'	2236671.977'	05/02/06	15.0 - 25.0	881.41	881.70	14.38	25.00	867.03	
MW-6B	Citgo	Deep Residuum	1279731.975'	2236672.424'	05/02/06	57.0 - 67.0	881.54	881.80	14.61	66.98	866.93	
MW-7B	TSC	Deep Residuum	1280715.758'	2236698.942'	07/26/06	23.0 - 33.0	896.93	897.15	28.15	33.03	868.78	5.02
MW-7C	TSC	Bedrock	1280721.991'	2236699.896'	04/10/08	52.0 - 62.0	896.96	897.22	33.21	61.46	863.75	
MW-8A	TSC	Shallow Residuum	1280566.701'	2236692.565'	07/26/06	23.0 - 32.0	895.14	895.27	26.95	31.75	868.19	
MW-8B	TSC	Deep Residuum	1280560.472'	2236691.909'	07/26/06	47.0 - 57.0	895.02	895.26	26.87	56.98	868.15	4.97
MW-8C	TSC	Bedrock	1280563.858'	2236698.191'	04/10/08	71.0 - 85.0	895.04	895.27	31.85	84.83	863.19	
MW-9A	TSC	Shallow Residuum	1280322.572'	2236787.591'	07/25/06	20.0 - 30.0	891.65	892.20	23.09	30.25	868.56	
MW-9B	TSC	Deep Residuum	1280322.327'	2236784.381'	07/25/06	52.0 - 62.0	892.08	892.20	23.65	62.45	868.43	-0.49
MW-9C	TSC	Bedrock	1280324.370'	2236794.105'	04/10/08	85.0 - 100.0	891.92	892.10	23.00	99.63	868.92	
MW-10A	TSC	Shallow Residuum	1280585.085	2236821.807	02/19/08	27.0 - 37.0	896.76	897.09	27.69	37.45	869.07	
MW-10B	TSC	Deep Residuum	1280579.915	2236821.438	02/19/08	40.0 - 50.0	896.55	896.95	27.52	39.78	869.03	4.59
MW-10C	TSC	Bedrock	1280582.817	2236815.571	04/10/08	75.0 - 90.0	896.65	896.99	32.21	88.05	864.44	
MW-11A	L6 Clay	Shallow Residuum	1280466.509	2236756.783	02/20/08	20.0 - 30.0	893.90	894.24	25.31	30.12	868.59	
MW-11B	L6 Clay	Deep Residuum	1280463.558	2236757.917	02/20/08	46.0 - 56.0	893.79	894.18	25.48	56.25	868.31	0.33
MW-11C	L6 Clay	Bedrock	1280472.559	2236756.909	04/10/08	73.0 - 88.0	894.06	894.41	26.08	87.94	867.98	
MW-12A	TSC	Shallow Residuum	1280321.765'	2236875.509'	02/20/08	20.0 - 30.0	891.28	891.30	NM	NM	NM	
MW-13A	Prax Air	Shallow Residuum	1280082.189'	2236795.410'	03/27/08	14.0 - 24.0	881.08	881.35	12.51	24.25	868.57	
MW-13B	Prax Air	Deep Residuum	1280078.396'	2236796.676'	03/27/08	62.0 - 72.0	881.09	881.30	12.78	71.88	868.31	0.11
MW-13C	Prax Air	Bedrock	1280075.012'	2236789.963'	10/15/08	78.0 - 89.0	881.16	881.36	12.95	87.95	868.21	
MW-14A	TSC	Shallow Residuum	1280801.156'	2237045.556'	02/20/08	25.0 - 35.0	899.70	899.86	24.13	33.72	875.57	
MW-15A	ROW	Shallow Residuum	1280328.845'	2236505.020'	09/18/08	27.5 - 37.5	888.05	888.30	23.27	37.48	864.78	
MW-15B	ROW	Deep Residuum	1280326.051'	2236505.009'	09/19/08	38.5 - 48.5	888.09	888.30	24.19	46.19	863.90	
MW-16A	ROW	Shallow Residuum	1280125.982'	2236472.356'	09/18/08	22.0 - 32.0	879.48	879.90	13.00	32.43	866.48	
MW-16B	ROW	Deep Residuum	1280123.708'	2236471.983'	09/19/08	34.0 - 44.0	879.65	879.90	13.63	43.46	866.02	2.48
MW-16C	ROW	Bedrock	1280125.771'	2236466.812'	10/14/08	58.0 - 68.0	878.84	878.97	15.29	68.08	863.55	
MW-17A	L6 Clay	Shallow Residuum	1280465.519	2236771.510	03/30/11	20.0 - 30.0	NS	894.33	25.51	29.55	NS	
MW-18A	Al Karim	Shallow Residuum	1280203.854'	2236773.758'	11/27/12	20.0 - 30.0	888.29	888.63	18.55	30.09	869.74	
MW-18B	Al Karim	Deep Residuum	1280203.918'	2236766.192'	11/27/12	47.0 - 57.0	888.23	888.60	19.59	56.59	868.64	

Table 2
Summary of Monitoring Well Construction Details
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

Well Identification	Location	Water Bearing Unit	NORTH	EAST	Date Installed	Screen Interval (ft. bgs)	Top of Casing Elevation (ft. above MSL)	Ground Surface Elevation (ft. above MSL)	Depth to Water (Ft-TOC)	Total Depth (Ft-TOC)	Groundwater Elevation (ft. above MSL)	Vertical Gradient (B Zone to C Zone)
MW-19A	FRSC	Shallow Residuum	1279961.327'	2236383.957'	12/05/12	25.0 - 35.0	879.94	880.10	14.87	34.21	865.07	
MW-19B	FRSC	Deep Residuum	1279956.697'	2236394.100'	12/05/12	50.0 - 60.0	880.17	880.32	15.11	60.16	865.06	0.41
MW-19C	FRSC	Bedrock**	1279959.255'	2236388.719'	12/04/12	75.0 - 85.0	880.01	880.21	14.86	84.96	865.15	
MW-19D	FRSC	Bedrock	1279953.241	2236386.749	09/02/14	95.5 105.5	880.08	880.35	15.43	98.46	864.65	
MW-20C	FRSC	Bedrock	1280248.661'	2236113.374'	12/04/12	35.0 - 45.0	875.44	875.75	19.51	44.97	855.93	
MW-21B	FRSC	Deep Residuum	1279878.704	2235996.082	08/29/14	29.5 39.5	871.40	871.74	14.93	39.45	856.47	-0.46
MW-21C	FRSC	Bedrock	1279873.218	2235995.793	08/29/14	64.5 74.5	871.41	871.76	14.48	72.19	856.93	
MW-22A	ADC	Shallow Residuum	1279884.097	2236968.133	09/03/14	20.0 30.0	883.00	883.54	14.69	30.00	868.31	
MW-22B	ADC	Deep Residuum	1279883.763	2236973.609	09/03/14	67.0 77.0	883.29	883.61	14.64	75.99	868.65	
STREAM GUAGE	SG	NA	1280380.947'	2236135.807'	07/24/13	NA NA	854.74	851.39	2.83	NA	851.91	

Notes:
ft. bgs = feet below ground surface
MSL = Mean Sea Level
NA = Not Applicable
NM = Not Measured
NS = Not Surveyed
* Well TOC not surveyed - not accessible.
** Well reclassifed as Bedrock well

Notes (Cont'd)
TSC = Tara Shopping Center - 8564 Tara Shopping Center
Al Karim = Commerical Parcel
Ctigo = Gas Station
L6 Clay = Vacant Commerical Parcel
ROW = County/City Right of Way
Prax Air = Commerical Parcel
FRSC = Flint River Shopping Center
ADC = What A Day - Adult Day Care

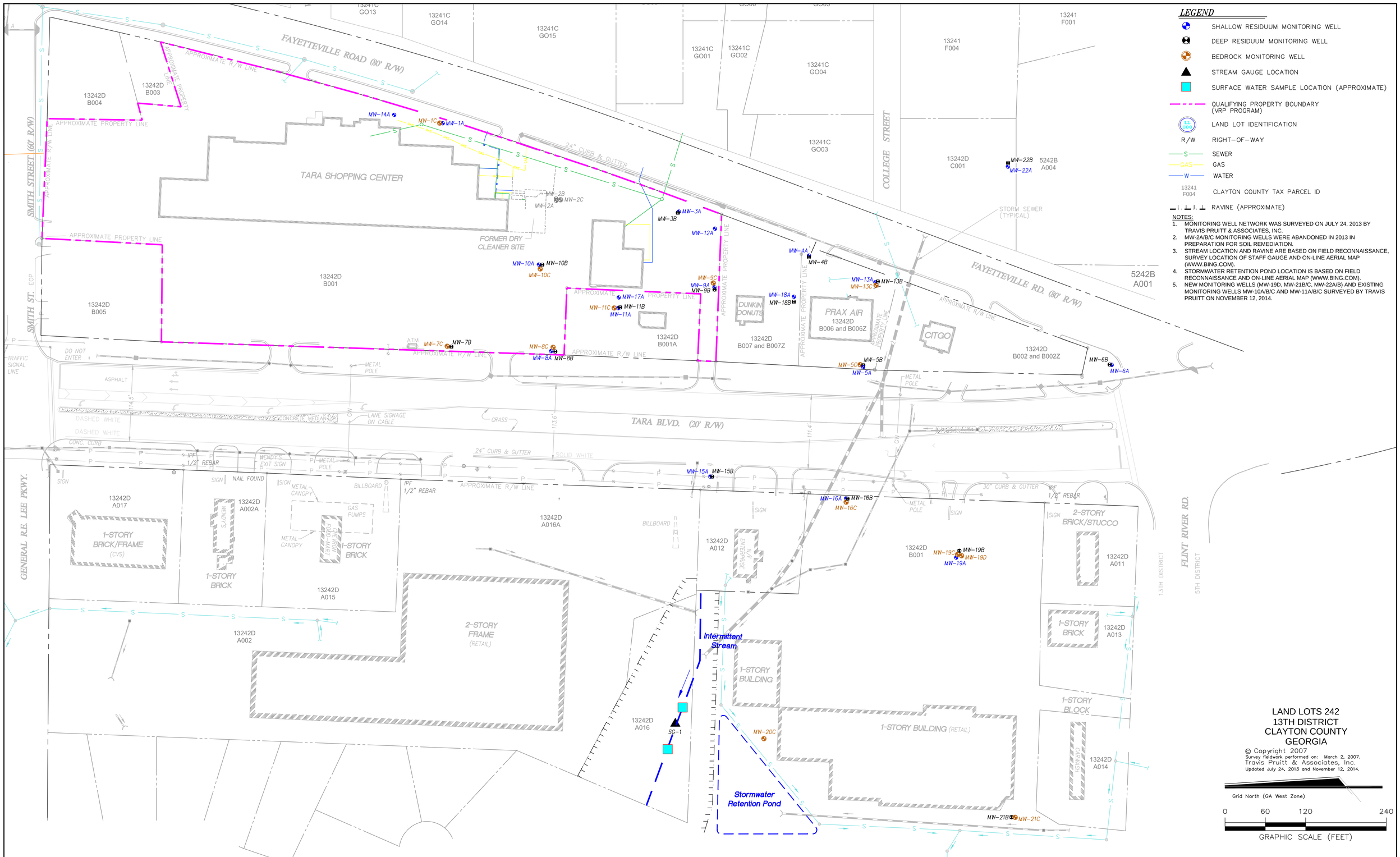
Table 3
Groundwater Analytical Results - New Wells, November 2014
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-19A	MW-19B	MW-19C	MW-19D	MW-21B	Dup-1	MW-21C	MW-22A	MW-22B
Lab Sample Number		680-107535-6	680-107535-9	680-107535-8	680-107535-7	680-107535-5	680-107535-10	680-107535-4	680-107535-2	680-107535-3
Sampling Date		11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014
Matrix		Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor		5	5	2	1	1	1	1	1	1
Units		ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GC/MS VOA - 8260B		Low	Low	Low	Low	Low	Low	Low	Low	Low
Constituents of Concern										
Tetrachloroethene	5	5 U	870	290	94	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5 U	67	18	7.1	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	5 U	100	33	13	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Other VOC Compounds										
1,1,1-Trichloroethane	200	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.2	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	400	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	86	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	200	50 U	50 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	NP	50 U	50 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	200	50 U	50 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	400	50 U	50 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5	1600 D	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	NP	25 U	25 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	400	10 U	10 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	5	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	NP	25 U	25 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	5 U	5 U	2 U	11	1 U	1 U	2.3	1 U	23
Chloromethane	NP	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	NP	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorobromomethane	80	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	6.7
Ethylbenzene	700	87	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	3	25 U	25 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	100	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1,000	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	NP	5 U	5 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	10,000	180	10 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U

QUALIFIERS

µg/L - micrograms per liter
D - Diluted Value
U - value not detected above the laboratory reporting limit.
Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

FIGURES



LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- STREAM GAUGE LOCATION
- SURFACE WATER SAMPLE LOCATION (APPROXIMATE)
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID
- RAVINE (APPROXIMATE)

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. STREAM LOCATION AND RAVINE ARE BASED ON FIELD RECONNAISSANCE, SURVEY LOCATION OF STAFF GAUGE AND ON-LINE AERIAL MAP (WWW.BING.COM).
4. STORMWATER RETENTION POND LOCATION IS BASED ON FIELD RECONNAISSANCE AND ON-LINE AERIAL MAP (WWW.BING.COM).
5. NEW MONITORING WELLS (MW-19D, MW-21B/C, MW-22A/B) AND EXISTING MONITORING WELLS MW-10A/B/C AND MW-11A/B/C SURVEYED BY TRAVIS PRUITT ON NOVEMBER 12, 2014.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013 and November 12, 2014.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

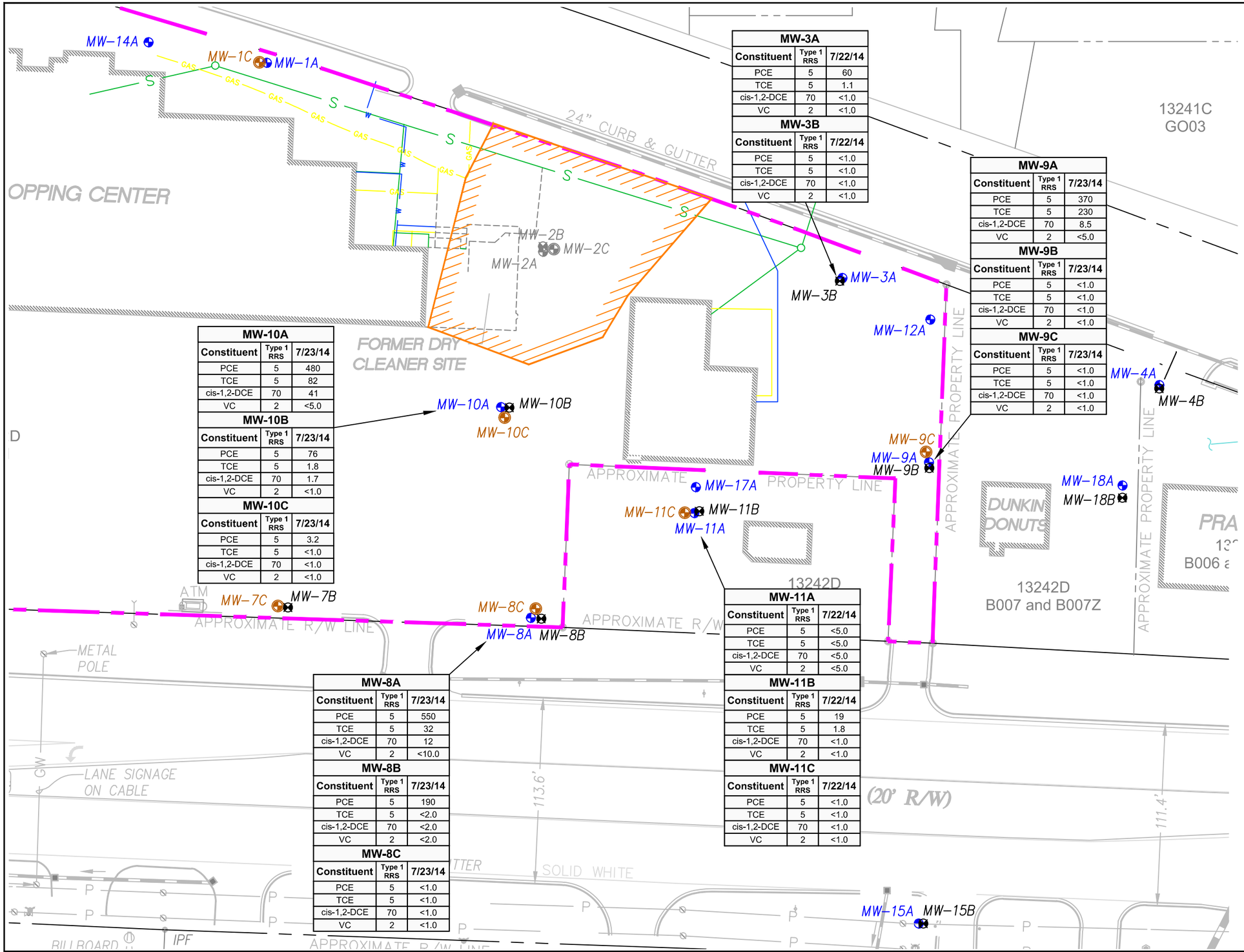
EHS Support consider it done

REVISIONS					
Rev.	1	By: MDO	Disc.: Stream gauge and ravine details added (approximate)	Date:	03/2014
Rev.	2	By: MDO	Disc.: Add MW-19D, MW-21 and MW-22 Clusters. Update designation for MW-19B and MW-19C.	Date:	12/2014
Rev.		By:	Disc.:	Date:	

TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 1
MONITORING WELL NETWORK

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 120'	Plot Date:	12/2014
Project Number.:	C00342		



MW-3A		
Constituent	Type 1 RRS	7/22/14
PCE	5	60
TCE	5	1.1
cis-1,2-DCE	70	<1.0
VC	2	<1.0
MW-3B		
Constituent	Type 1 RRS	7/22/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-9A		
Constituent	Type 1 RRS	7/23/14
PCE	5	370
TCE	5	230
cis-1,2-DCE	70	8.5
VC	2	<5.0
MW-9B		
Constituent	Type 1 RRS	7/23/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0
MW-9C		
Constituent	Type 1 RRS	7/23/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-10A		
Constituent	Type 1 RRS	7/23/14
PCE	5	480
TCE	5	82
cis-1,2-DCE	70	41
VC	2	<5.0
MW-10B		
Constituent	Type 1 RRS	7/23/14
PCE	5	76
TCE	5	1.8
cis-1,2-DCE	70	1.7
VC	2	<1.0
MW-10C		
Constituent	Type 1 RRS	7/23/14
PCE	5	3.2
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-11A		
Constituent	Type 1 RRS	7/22/14
PCE	5	<5.0
TCE	5	<5.0
cis-1,2-DCE	70	<5.0
VC	2	<5.0
MW-11B		
Constituent	Type 1 RRS	7/22/14
PCE	5	19
TCE	5	1.8
cis-1,2-DCE	70	<1.0
VC	2	<1.0
MW-11C		
Constituent	Type 1 RRS	7/22/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-8A		
Constituent	Type 1 RRS	7/23/14
PCE	5	550
TCE	5	32
cis-1,2-DCE	70	12
VC	2	<10.0
MW-8B		
Constituent	Type 1 RRS	7/23/14
PCE	5	190
TCE	5	<2.0
cis-1,2-DCE	70	<2.0
VC	2	<2.0
MW-8C		
Constituent	Type 1 RRS	7/23/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- PCE — TETRACHLOROETHENE
- TCE — TRICHLOROETHENE
- cis-1,2-DCE — cis-1,2-DICHLOROETHENE
- VC — VINYL CHLORIDE
- TYPE 1 RRS — TYPE 1 RISK REDUCTION STANDARDS
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- ISS TREATMENT AREA
- LL 000 — LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. LESS THAN VALUE (<5.0) REPRESENTS THE LABORATORY REPORTING LIMIT.
2. ALL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/l).

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013 and November 12, 2014.

Grid North (GA West Zone)

0 60 120

SCALE IN FEET

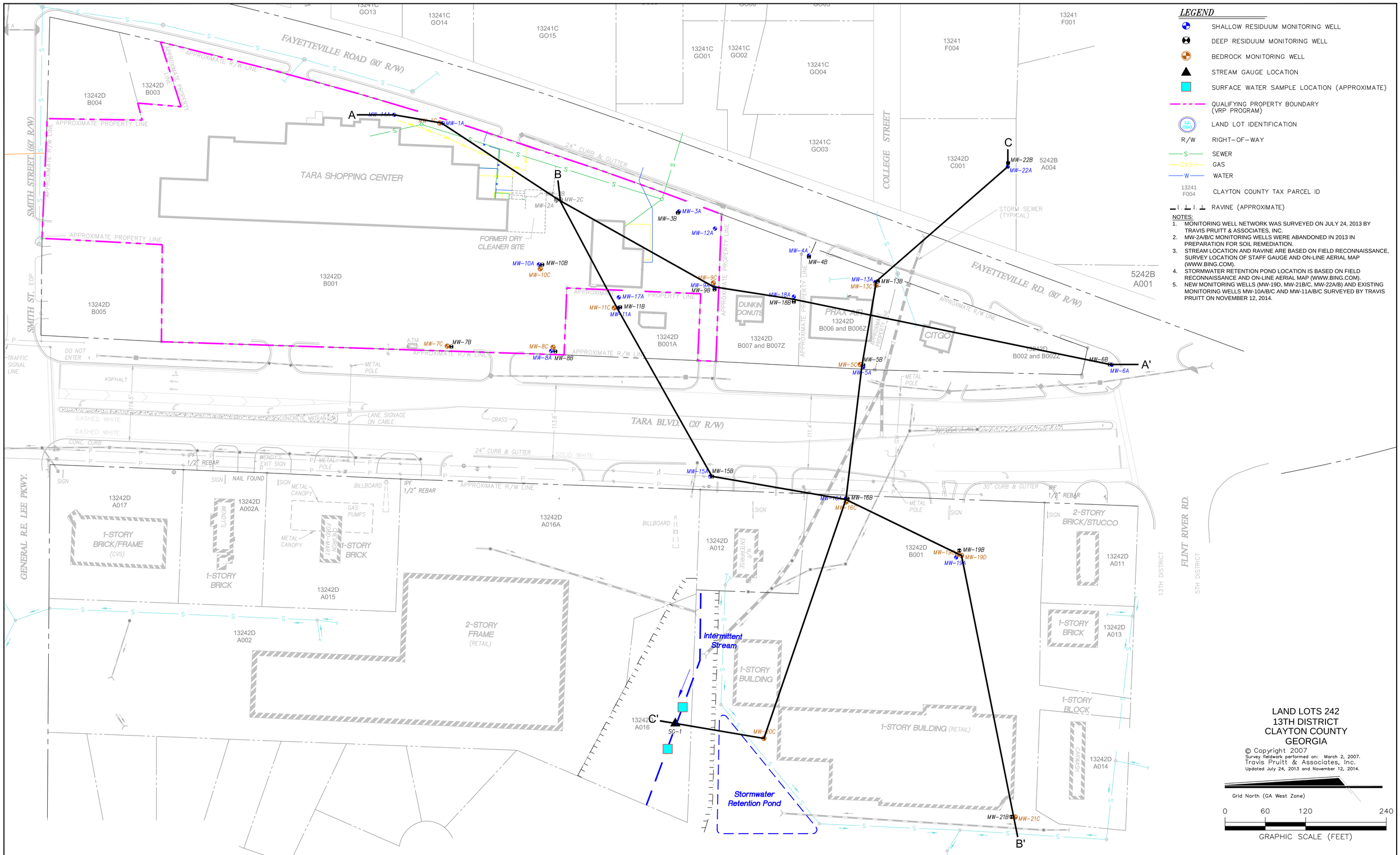
EHS Support consider it done

REVISIONS				
Rev.	By:	Disc.:	Date:	
Rev.	By:	Disc.:	Date:	
Rev.	By:	Disc.:	Date:	
Rev.	By:	Disc.:	Date:	

TARA SHOPPING CENTER
8564 Tara Boulevard
Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001;
HSI Site No. 10798

FIGURE 2
SOURCE AREA REMEDIATION PERFORMANCE MONITORING
GROUNDWATER ANALYTICAL RESULTS (JULY 2014)

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 60'	Plot Date:	12/2014
Project Number.:	C00342		



LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- STREAM GAUGE LOCATION
- SURFACE WATER SAMPLE LOCATION (APPROXIMATE)
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- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID
- RAVINE (APPROXIMATE)

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. STREAM LOCATION AND RAVINE ARE BASED ON FIELD RECONNAISSANCE, SURVEY LOCATION OF STAFF GAUGE AND ON-LINE AERIAL MAP (WWW.BING.COM).
4. STORMWATER RETENTION POND LOCATION IS BASED ON FIELD RECONNAISSANCE AND ON-LINE AERIAL MAP (WWW.BING.COM).
5. NEW MONITORING WELLS (MW-19D, MW-21B/C, MW-22A/B) AND EXISTING MONITORING WELLS MW-10A/B/C AND MW-11A/B/C SURVEYED BY TRAVIS PRUITT ON NOVEMBER 12, 2014.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013 and November 12, 2014.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

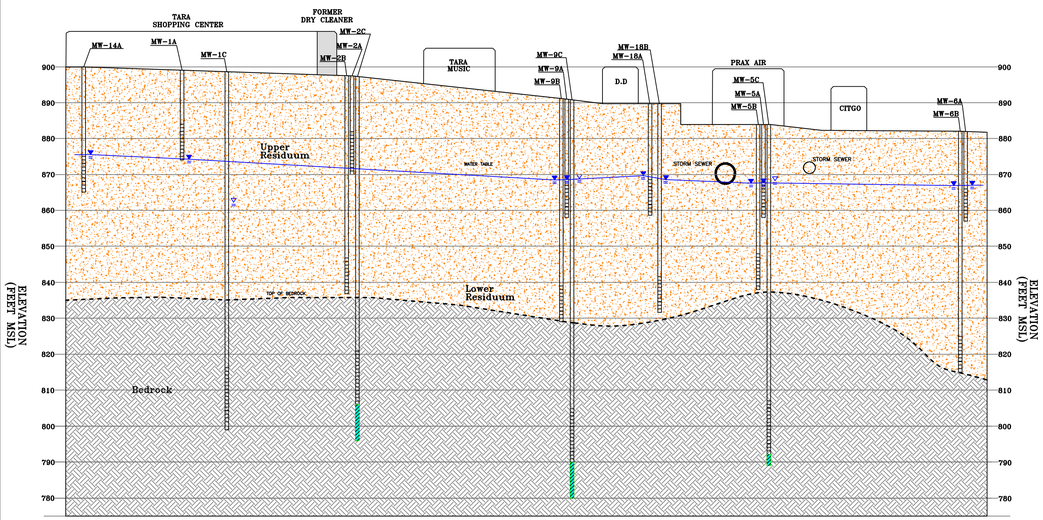
TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 3
CROSS SECTION LOCATION MAP

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 120'	Plot Date:	12/2014
Project Number.:	C00342		

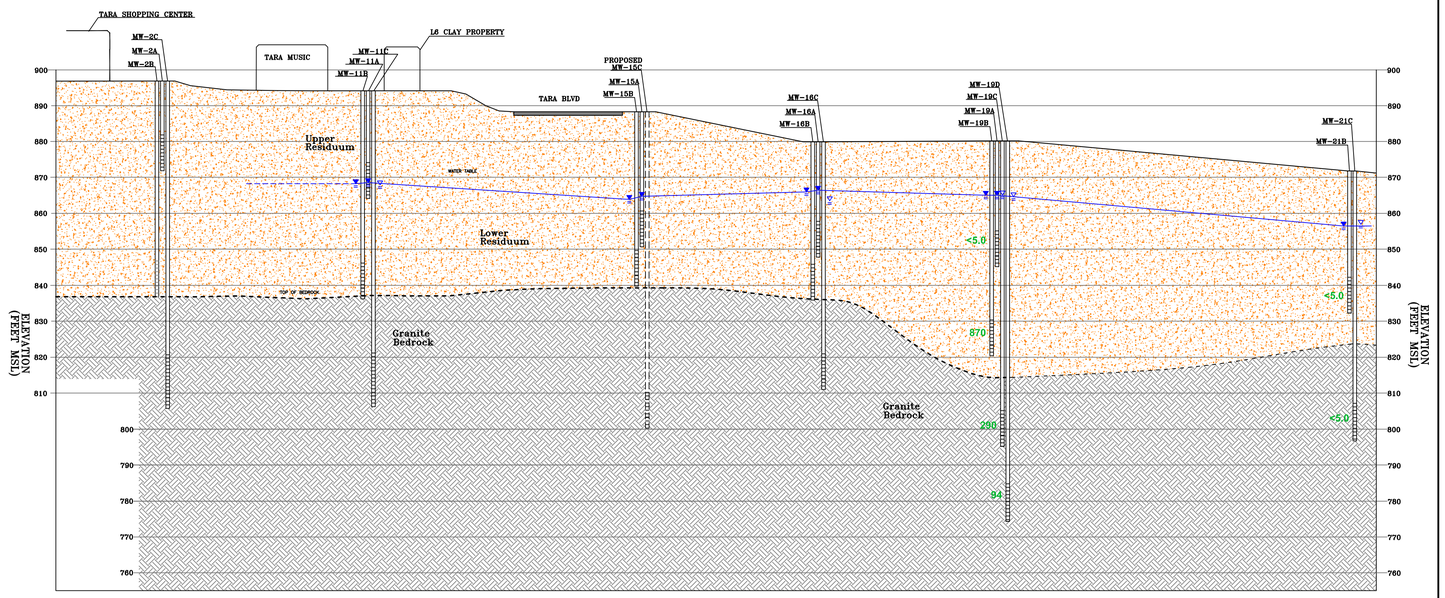
NORTHEAST
A

SOUTHWEST
A'



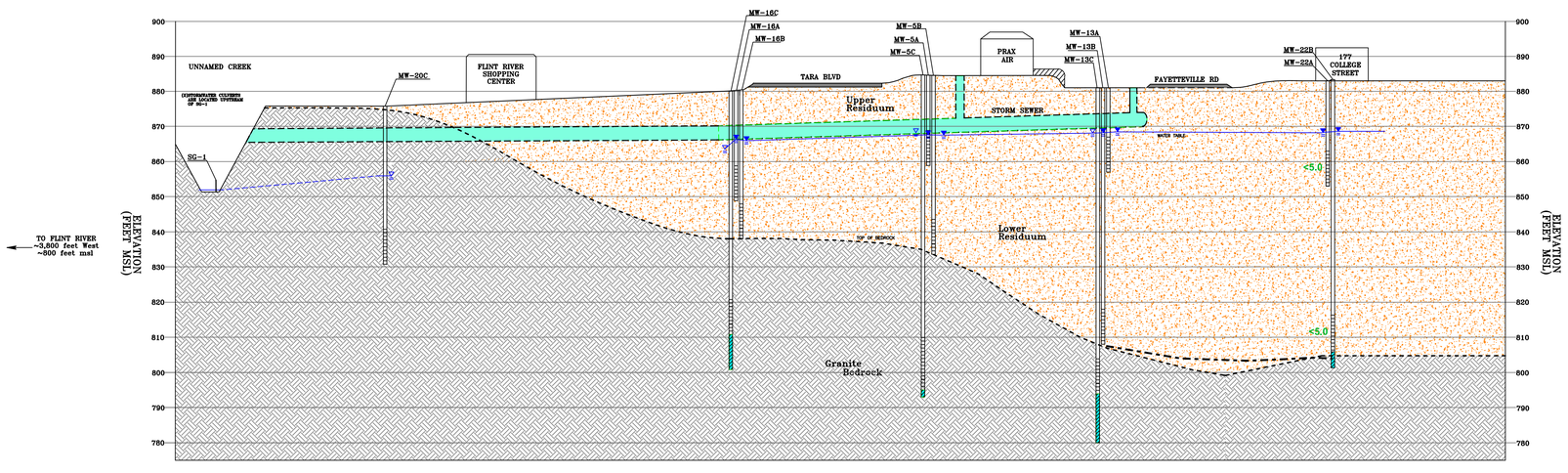
EAST
B

WEST
B'



WEST
C'

EAST
C



LEGEND

- UPPER RESIDUUM / LOWER RESIDUUM (Clayey Silt)
- BEDROCK
- = SCREEN INTERVAL
- = BENTONITE
- MW = MONITORING WELL
- = WATER TABLE (Elevation recorded on November 20, 2014)
- **300** = TETRACHLOROETHENE CONCENTRATION (November 19, 2014, Select Wells Sampled)

Notes:

1. Staff Gauge installed into unnamed creek in July 2013. Piece of steel rebar set into ground and painted orange.
2. Original cross section prepared by URS Corporation. Location of sub-grade sewer line has not been verified and is based on historic drawing previously prepared by URS Corporation, Groundwater Corrective Action Plan, March 20, 2009 and Groundwater Corrective Action Plan Addendum, September 28, 2009.
3. Storm water culverts identified in the field and are depicted on site plans. Both culverts drain in upgradient section of ravine.

References:

- **URS Corporation, Groundwater Corrective Action Plan, March 20, 2009.**
- **Groundwater Corrective Action Plan Addendum, September 28, 2009.**
- **Travis Pruitt Survey Report completed on, July 31, 2013. Updated February 3, 2014, July 24, 2014 and November 12, 2014 (New Wells).**

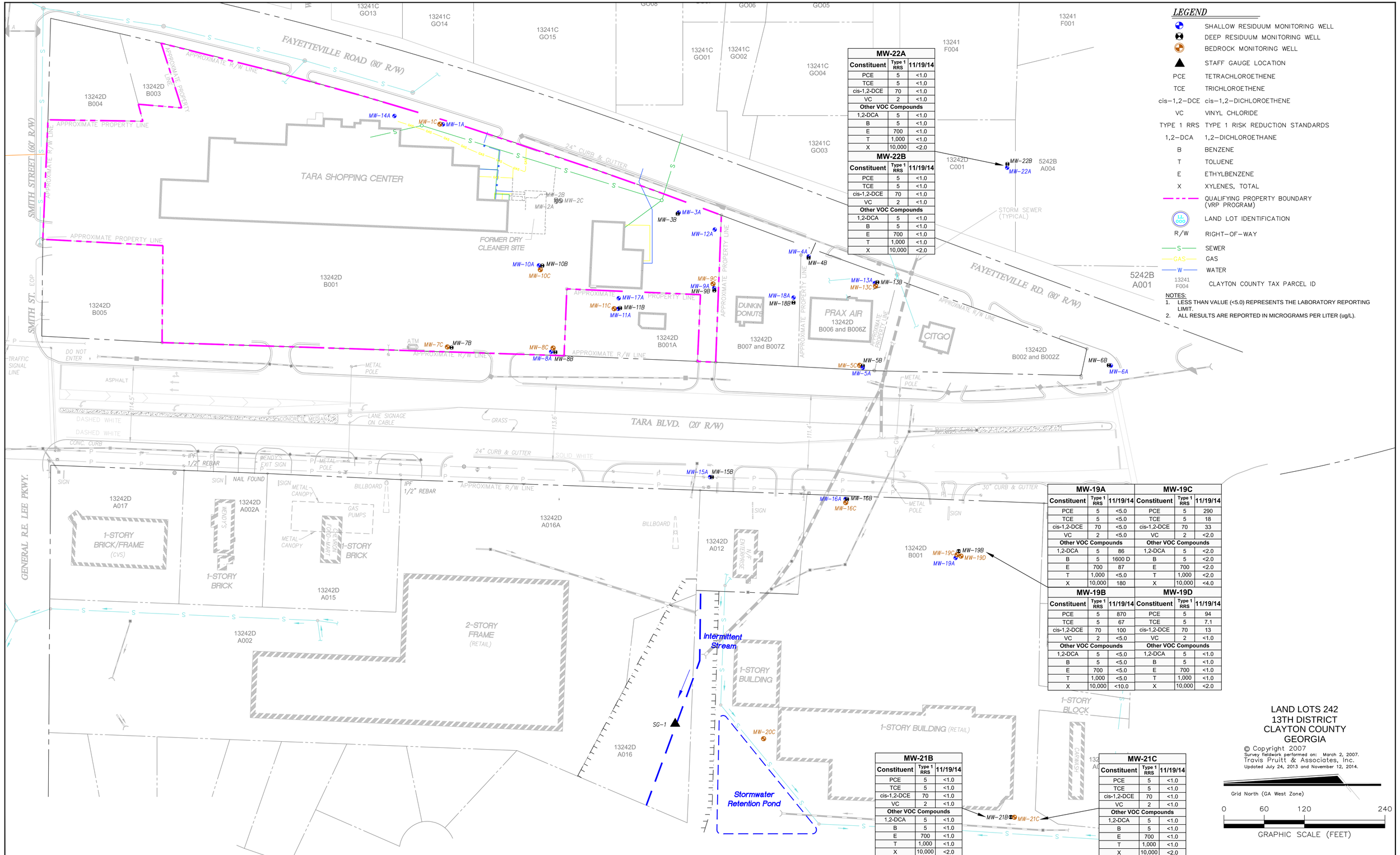
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 4
CROSS SECTIONS A-A', B-B' AND C-C'

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	AS SHOWN	Plot Date:	12/2014
Project Number.:	C00342		



MW-22A		
Constituent	Type 1 RRS	11/19/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0
Other VOC Compounds		
1,2-DCA	5	<1.0
B	5	<1.0
E	700	<1.0
T	1,000	<1.0
X	10,000	<2.0

MW-22B		
Constituent	Type 1 RRS	11/19/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0
Other VOC Compounds		
1,2-DCA	5	<1.0
B	5	<1.0
E	700	<1.0
T	1,000	<1.0
X	10,000	<2.0

MW-19A		
Constituent	Type 1 RRS	11/19/14
PCE	5	<5.0
TCE	5	<5.0
cis-1,2-DCE	70	<5.0
VC	2	<5.0
Other VOC Compounds		
1,2-DCA	5	86
B	5	1600 D
E	700	87
T	1,000	<5.0
X	10,000	180

MW-19C		
Constituent	Type 1 RRS	11/19/14
PCE	5	290
TCE	5	18
cis-1,2-DCE	70	33
VC	2	<2.0
Other VOC Compounds		
1,2-DCA	5	<2.0
B	5	<2.0
E	700	<2.0
T	1,000	<2.0
X	10,000	<4.0

MW-19B		
Constituent	Type 1 RRS	11/19/14
PCE	5	870
TCE	5	67
cis-1,2-DCE	70	100
VC	2	<5.0
Other VOC Compounds		
1,2-DCA	5	<5.0
B	5	<5.0
E	700	<5.0
T	1,000	<5.0
X	10,000	<10.0

MW-19D		
Constituent	Type 1 RRS	11/19/14
PCE	5	94
TCE	5	7.1
cis-1,2-DCE	70	13
VC	2	<1.0
Other VOC Compounds		
1,2-DCA	5	<1.0
B	5	<1.0
E	700	<1.0
T	1,000	<1.0
X	10,000	<2.0

MW-21B		
Constituent	Type 1 RRS	11/19/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0
Other VOC Compounds		
1,2-DCA	5	<1.0
B	5	<1.0
E	700	<1.0
T	1,000	<1.0
X	10,000	<2.0

MW-21C		
Constituent	Type 1 RRS	11/19/14
PCE	5	<1.0
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0
Other VOC Compounds		
1,2-DCA	5	<1.0
B	5	<1.0
E	700	<1.0
T	1,000	<1.0
X	10,000	<2.0

LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- STAFF GAUGE LOCATION
- PCE — TETRACHLOROETHENE
- TCE — TRICHLOROETHENE
- cis-1,2-DCE — cis-1,2-DICHLOROETHENE
- VC — VINYL CHLORIDE
- TYPE 1 RRS — TYPE 1 RISK REDUCTION STANDARDS
- 1,2-DCA — 1,2-DICHLOROETHANE
- B — BENZENE
- T — TOLUENE
- E — ETHYLBENZENE
- X — XYLENES, TOTAL
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. LESS THAN VALUE (<5.0) REPRESENTS THE LABORATORY REPORTING LIMIT.
2. ALL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/L).

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013 and November 12, 2014.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

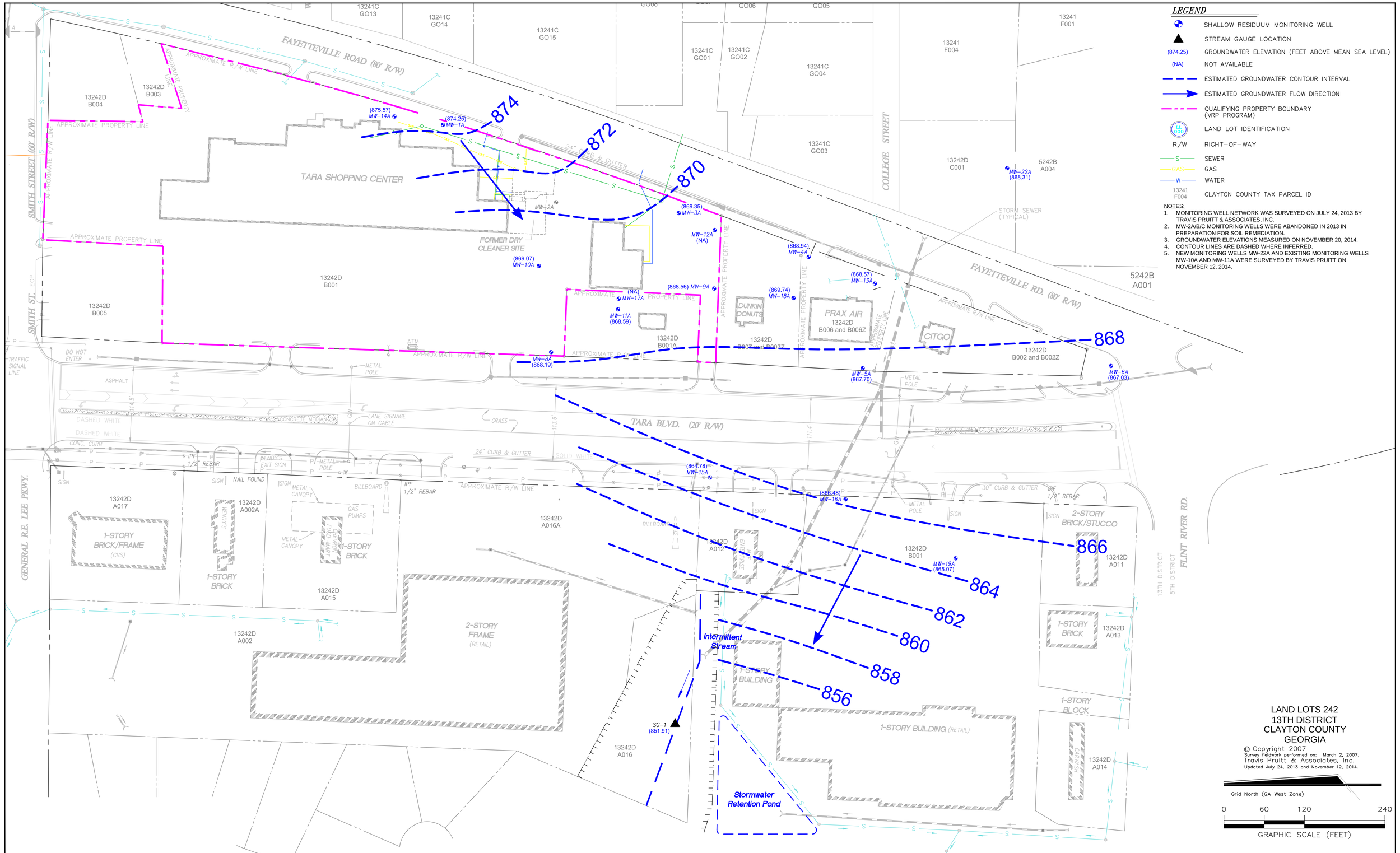
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 5
GROUNDWATER ANALYTICAL RESULTS NEW OFF-SITE WELLS
NOVEMBER 20, 2014

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 120'	Plot Date:	12/2014
Project Number.:	C00342		



EHS Support consider it done

REVISIONS				
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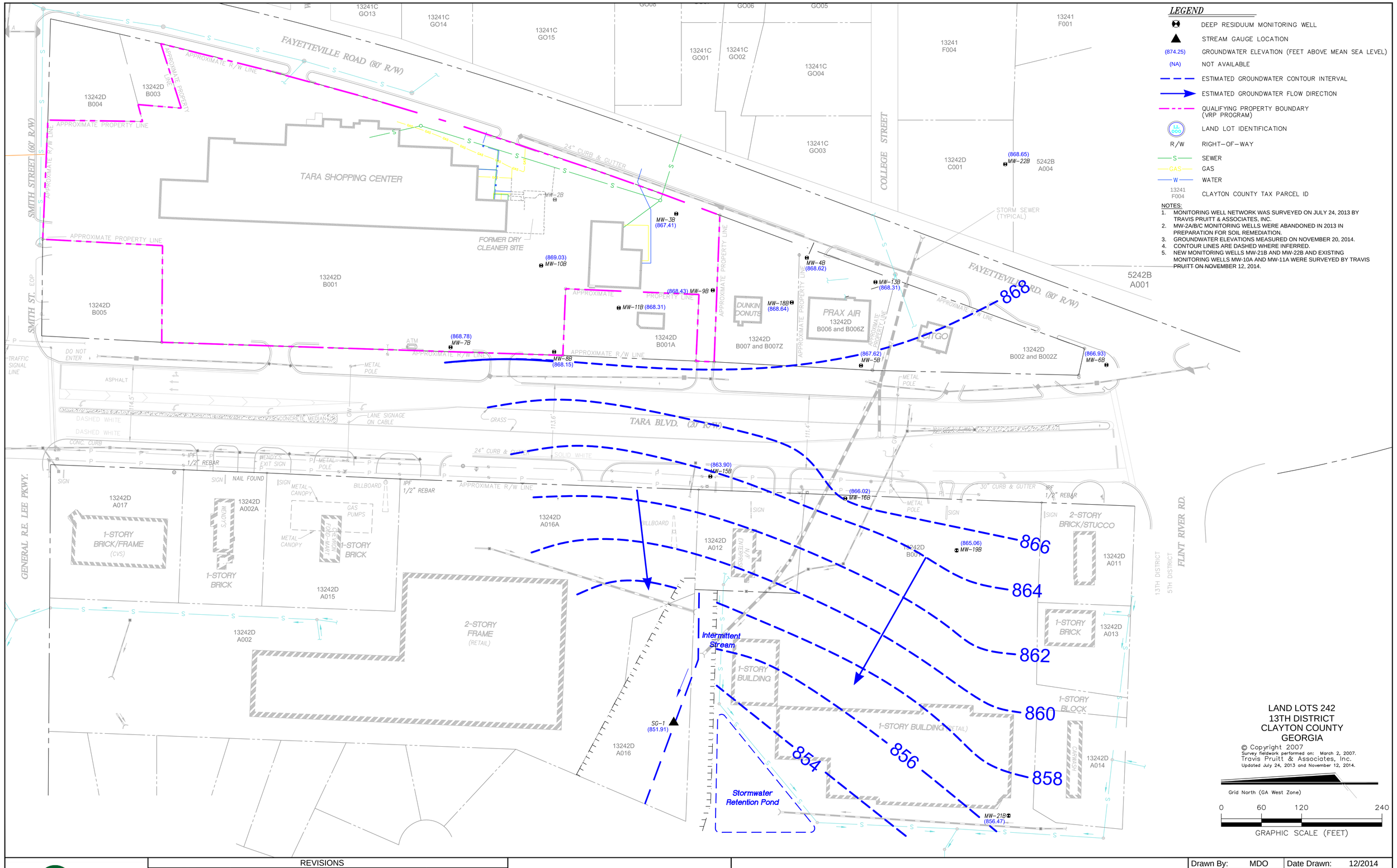
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 6
UPPER RESIDUUM POTENTIOMETRIC SURFACE CONTOUR: NOVEMBER 20, 2014

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 120'	Plot Date:	12/2014
Project Number.:	C00342		



LEGEND

- DEEP RESIDUUM MONITORING WELL
- STREAM GAUGE LOCATION
- (874.25) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NA) NOT AVAILABLE
- ESTIMATED GROUNDWATER CONTOUR INTERVAL
- ESTIMATED GROUNDWATER FLOW DIRECTION
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W RIGHT-OF-WAY
- S SEWER
- GAS GAS
- W WATER
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER 20, 2014.
4. CONTOUR LINES ARE DASHED WHERE INFERRED.
5. NEW MONITORING WELLS MW-21B AND MW-22B AND EXISTING MONITORING WELLS MW-10A AND MW-11A WERE SURVEYED BY TRAVIS PRUITT ON NOVEMBER 12, 2014.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013 and November 12, 2014.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

EHS Support consider it done

REVISIONS				
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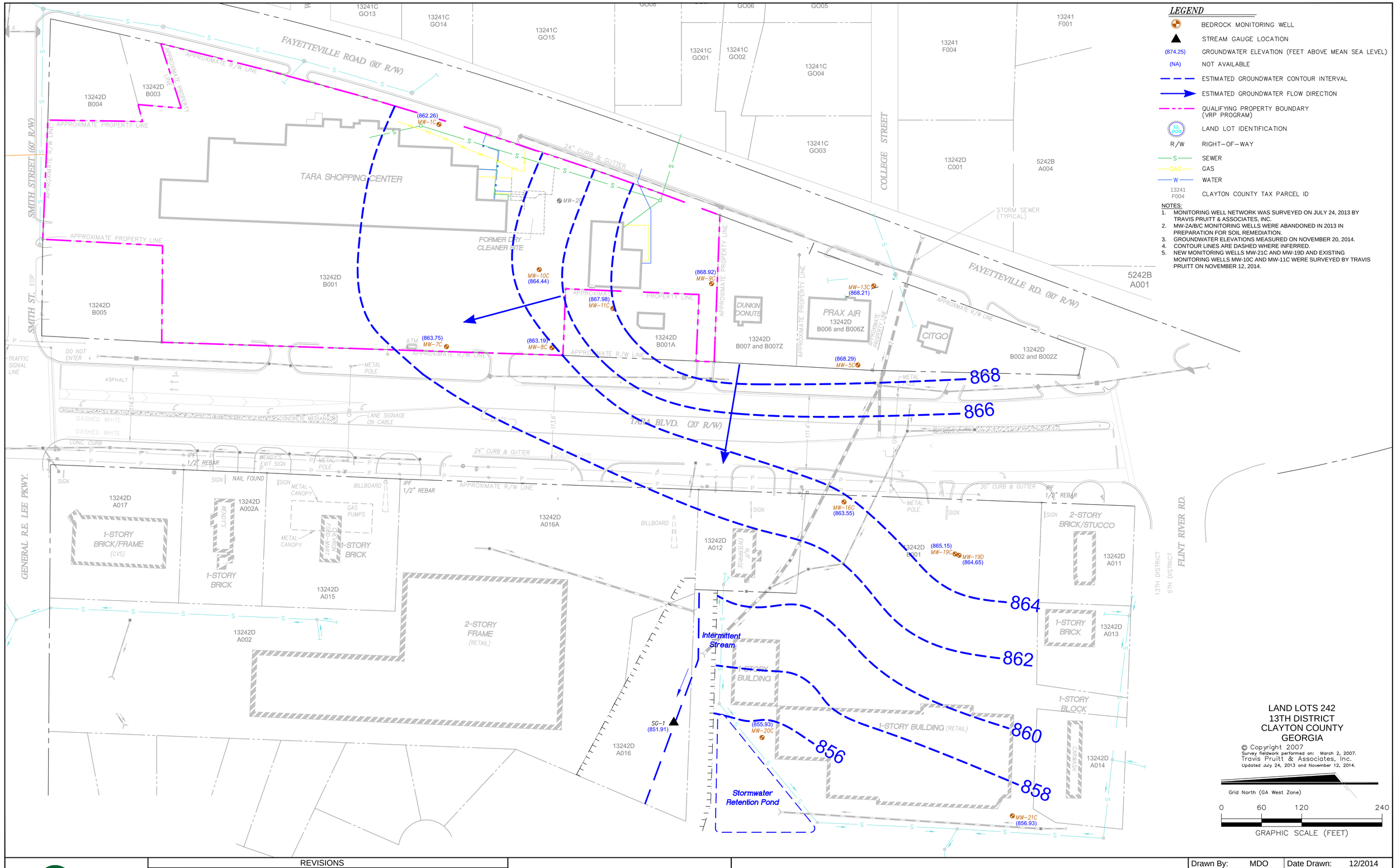
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 7
LOWER RESIDUUM POTENTIOMETRIC SURFACE CONTOUR: NOVEMBER 20, 2014

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 120'	Plot Date:	12/2014
Project Number.:	C00342		



LEGEND

- BEDROCK MONITORING WELL
- STREAM GAUGE LOCATION
- (874.25) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NA) NOT AVAILABLE
- ESTIMATED GROUNDWATER CONTOUR INTERVAL
- ESTIMATED GROUNDWATER FLOW DIRECTION
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LAND LOT IDENTIFICATION
- R/W RIGHT-OF-WAY
- S SEWER
- GAS GAS
- W WATER
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER 20, 2014.
4. CONTOUR LINES ARE DASHED WHERE INFERRED.
5. NEW MONITORING WELLS MW-21C AND MW-19D AND EXISTING MONITORING WELLS MW-10C AND MW-11C WERE SURVEYED BY TRAVIS PRUITT ON NOVEMBER 12, 2014.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013 and November 12, 2014.

Grid North (GA West Zone)

0 60 120 240
GRAPHIC SCALE (FEET)

EHS Support consider it done

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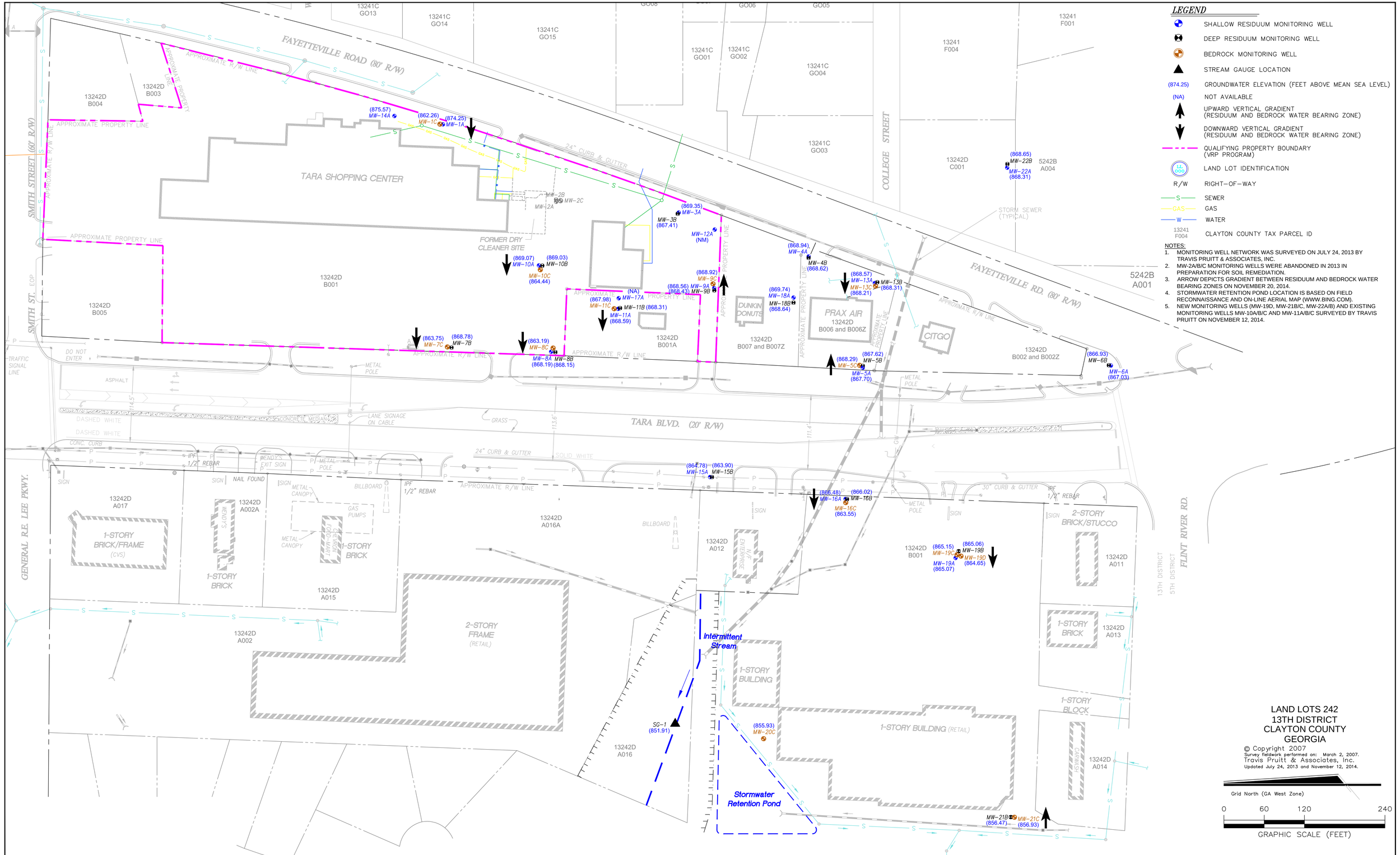
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 8
BEDROCK POTENTIOMETRIC SURFACE CONTOUR: NOVEMBER 20, 2014

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 120'	Plot Date:	12/2014
Project Number.:	C00342		



LEGEND

- SHALLOW RESIDUUM MONITORING WELL
- DEEP RESIDUUM MONITORING WELL
- BEDROCK MONITORING WELL
- STREAM GAUGE LOCATION
- (874.25) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NA) NOT AVAILABLE
- UPWARD VERTICAL GRADIENT (RESIDUUM AND BEDROCK WATER BEARING ZONE)
- DOWNWARD VERTICAL GRADIENT (RESIDUUM AND BEDROCK WATER BEARING ZONE)
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13 / 200 LAND LOT IDENTIFICATION
- R/W RIGHT-OF-WAY
- S SEWER
- GAS GAS
- W WATER
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:

1. MONITORING WELL NETWORK WAS SURVEYED ON JULY 24, 2013 BY TRAVIS PRUITT & ASSOCIATES, INC.
2. MW-2A/B/C MONITORING WELLS WERE ABANDONED IN 2013 IN PREPARATION FOR SOIL REMEDIATION.
3. ARROW DEPICTS GRADIENT BETWEEN RESIDUUM AND BEDROCK WATER BEARING ZONES ON NOVEMBER 20, 2014.
4. STORMWATER RETENTION POND LOCATION IS BASED ON FIELD RECONNAISSANCE AND ON-LINE AERIAL IMAGE (WWW.BING.COM).
5. NEW MONITORING WELLS (MW-19D, MW-21B/C, MW-22A/B) AND EXISTING MONITORING WELLS MW-10A/B/C AND MW-11A/B/C SURVEYED BY TRAVIS PRUITT ON NOVEMBER 12, 2014.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.
Updated July 24, 2013 and November 12, 2014.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

EHS Support consider it done

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Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA SHOPPING CENTER
8564 Tara Boulevard, Jonesboro, Clayton County, GA.
Tax Parcel ID 13242D B001; HSI Site No. 10798

FIGURE 9
VERTICAL GRADIENT BETWEEN THE RESIDUUM AND BEDROCK WATER BEARING ZONES
NOVEMBER 20, 2014

Drawn By:	MDO	Date Drawn:	12/2014
Reviewed By:	MSS	Date Reviewed:	12/2014
Scale:	1" = 120'	Plot Date:	12/2014
Project Number.:	C00342		

ATTACHMENT A
Professional Services

ATTACHMENT A
Tabulated Summary of Professional Engineer and Geologist Time (Period June 1, 2014 through November 30, 2014)
Tara Shopping Center, Jonesboro, GA
Voluntary Remediation Program (HSI 10798)

Professional Engineer	**Date**	**Hours**	**Description**
Kristin VanLandingham, PE	6/27/2014	1.5	Reviewed semi-annual progress report and sent seal page
	6/24/2014	0.5	Meeting with EPD to discuss access issues.
	9/19/2014	0.5	Meeting with agency to discuss environmental covenant and offsite access for well installation
Professional Geologist	**Date**	**Hours**	**Description**
James Breza, PG	6/25/2014	0.5	Meeting with M. Stayrook to discuss status of site investigation program
	7/16/2014	0.5	Meeting with M. Stayrook to discuss Georgia EPD draft bedrock surface map
	8/20/2014	0.5	Meeting with M. Stayrook to discuss upcoming field work (bedrock drilling and well installation)
	8/27/2014	1	Meeting with M. Stayrook to discuss drilling approaches and review of current drilling status and observations
	9/2/2014	1	Meeting with Phillip Foster to discuss scope of work, drilling performance and bedrock encountered (MW-19D)
	9/3/2014	1	Meeting with Phillip Foster to discuss scope of work, drilling performance and bedrock encountered (MW-22B)
	9/4/2014	0.5	Meeting with Phillip Foster to discuss scope of work, drilling performance
	10/6/2014	0.5	Review of proposed well locations and rationale
Professional Engineer	**Date**	**Hours**	**Description**
Jonathan Waddell, PE	7/301/14	0.5	Meeting with M. Stayrook to discuss Georgia EPD draft bedrock surface map
	8/12/2014	0.5	Meeting with M. Stayrook to discuss equipment needs for drilling program
	8/13/2014	1	Field planning
	8/14/2014	0.5	H&S planning
	8/15/2014	1	Review of work orders
	8/20/2014	3	Meeting with M. Stayrook and Cascade drilling, field prep and equipment ordering
	8/21/2014	8	Mob/demob, oversight of private utility mark out, site walk with M. Stayrook
	8/22/2014	2	Field visit follow-up, field notes upload, drilling oversight prep
	8/25/2014	5	Mob to site, field oversight of drilling activities
	8/26/2014	3	Field oversight of drilling activities (Installation of MW-19D, MW-21 monitoring well cluster)
	8/27/2014	8.5	Field oversight of drilling activities (Installation of MW-19D, MW-21 monitoring well cluster)
	8/28/2014	11	Field oversight of drilling activities (Installation of MW-19D, MW-21 monitoring well cluster)
	8/29/2014	10	Field oversight of drilling activities (Installation of MW-19D, MW-21 monitoring well cluster)
	8/30/2014	6.5	Field oversight of drilling activities, mob from field to office
	9/8/2014	1	Meeting with M. Stayrook to discuss action items following field work
	9/9/2014	1	Meeting with M. Stayrook to discuss access agreement, prep for field visits, invoice review
	9/15/2014	4	Mob to site, drum inventory, well inspections, meeting with Cascade Drilling, mob from site to office
	9/19/2014	0.5	Drum pickup prep, vendor invoice processing
	10/17/2014	0.5	Drum pickup coordination
	10/20/2014	4.5	Mob from office to Jonesboro, drum pickup oversight
	10/21/2014	0.5	Survey coordination
	10/29/2014	0.5	Survey oversight prep
	10/30/2014	8	Mob to Jonesboro, survey oversight and support, mob back to office

ATTACHMENT B
Monitoring Well Sampling Logs

SAMPLING LOG

Client/Project: Ashland Matterman
Site Location: Tara Shopping Center
Sampling Personnel: Eddie Seaton, Daniel Rivenbark
Job Number:
Weather: overcast 80°

Event:
Well ID: MW-3A
Date: 7-22-14
Time In: 1227 Time Out: 1258

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	20.81		
Total Depth	(feet)	25.14		
Screened Interval	(feet)			
Pump Intake ~	(feet)	23		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other: ____

WELL WATER INFORMATION

Length of Water Column:	(feet)	4.33
Volume of Water in Well:	(gal)	.71
Pumping Rate of Pump:	(mL/min)	400
PumpStart: 1227	Pump Stop:	1258
Minutes of Pumping: 31		
Total Volume Removed: 0 (ml)		12400

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐ ____
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐ ____
Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U-53

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ____ ☐
☐
Sample ID: MW-3A
Sample Time: 1258
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

Time / Parameter	1	2	3	4	5	6	7	8	9
	1245	1248	1251	1254					
Rate (ml/min)	400	400	400	400					
Depth to Water (ft. TOC)	20.94	20.94	20.94	20.94					
Temperature (°C)	18.95	18.80	18.81	18.80					
pH	5.03	5.00	4.99	5.00					
Conductance (mS/cm)	.050	.048	.047	.046					
Dissolved Oxygen mg/L)	.51	.35	.29	.26					
Turbidity (NTU)	113	108	109	109					
ORP (mV)	214	217	218	217					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122
Decontamination Fluids Used: DI water Alconox
Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☑
Chain of Custody Signed By: Daniel Rivenbark

SAMPLING LOG

Client/Project: Ashland Alderman
Site Location: Tex Shopping Center
Sampling Personnel: Daniel Kincaid & Eddie Jordan
Job Number:
Weather: Cloudy / 80°

Event:
Well ID: MW-3B
Date: 7-22-14
Time In: 1300 Time Out: 1337

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	20.52 5.2.18		
Total Depth	(feet)			
Screened Interval	(feet)			
Pump Intake ~	(feet)	39		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other: ____

WELL WATER INFORMATION

Length of Water Column:	(feet)	34.61
Volume of Water in Well:	(gal)	5.64
Pumping Rate of Pump:	(mL/min)	500
PumpStart: 1300	Pump Stop:	1337
Minutes of Pumping: 37		
Total Volume Removed: 0 (ml)		13500

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
Other: ____ ☐
☐
Sample ID: MW-3B
Sample Time: 1337
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method:	Bailer ☐	Peristaltic ☐	Bladder ☑	Other Pump ☐	____	
Tubing Used:	Teflon ☑	Polyethylene ☐				
Sampling Method:	Bailer ☐	Peristaltic ☐	Bladder ☑	Other Pump ☐	____	

Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U-53

Time / Parameter	1	2	3	4	5	6	7	8	9
Rate (ml/min)	1319	1322	1325	1328					
Depth to Water (ft. TOC)	21.07	21.09	21.09	21.09					
Temperature (°C)	22.41	22.16	21.50	21.28					
pH	4.92	4.91	4.97	4.93					
Conductance (mS/cm)	.206	.201	.209	.211					
Dissolved Oxygen mg/L)	4.07	3.91	4.09	4.10					
Turbidity (NTU)	10.7	10.7	10.6	9.89					
ORP (mV)	217	219	215	213					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122

Decontamination Fluids Used: DI H_2O Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7-24-14 ☑
Chain of Custody Signed By:

SAMPLING LOG

Client/Project: Ashland Aliceman
Site Location: Tesa Shopping Center
Sampling Personnel: Eddie Jenkins, Daniel Kincaid
Job Number:
Weather: 90° Sunny

Event:
Well ID: MW-8A
Date: 7/23/14
Time In: 1545 Time Out: 1610

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	25.21		
Total Depth	(feet)	32.91		
Screened Interval	(feet)			
Pump Intake ~	(feet)	30		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other: ____

WELL WATER INFORMATION

Length of Water Column:	(feet)	7.7
Volume of Water in Well:	(gal)	1.25
Pumping Rate of Pump:	(mL/min)	500
PumpStart: 1545	Pump Stop:	1610
Minutes of Pumping:	25	
Total Volume Removed:	0 (ml)	12500

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
Other: ☐
☐
Sample ID: MW-8A
Sample Time: 1610
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method:	Bailer ☐	Peristaltic ☐	Bladder ☑	Other Pump ☐		
Tubing Used:	Teflon ☑	Polyethylene ☐				
Sampling Method:	Bailer ☐	Peristaltic ☐	Bladder ☑	Other Pump ☐		
Did well go dry?	Yes ☐	No ☑	Water Quality Meter Type:	Horiba U-53		

Time / Parameter	1	2	3	4	5	6	7	8	9
	1556	1559	1602	1605					
Rate (ml/min)	500	500	500	500					
Depth to Water (ft. TOC)	25.23	25.21	25.21	25.21					
Temperature (°C)	26.96	26.96	26.20	26.06					
pH	5.22	5.22	5.54	5.57					
Conductance (mS/cm)	.094	.089	.075	.072					
Dissolved Oxygen mg/L)	1.92	1.49	1.19	1.04					
Turbidity (NTU)	75.9	61.4	61.7	61.7					
ORP (mV)	506	490	460	448					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used:
Solinst 122

Decontamination Fluids Used:
DI, H_2O, Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☑
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Ashland Alterman
Site Location: Izzo Shopping Center
Sampling Personnel: Eddie Jerdon Daniel Kincaid
Job Number:
Weather: 90° Sunny w/ showers

Event:
Well ID: MW-8B
Date: 7-23-14
Time In: 1458 Time Out: 1525

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	25.11		
Total Depth	(feet)	57.32		
Screened Interval	(feet)			
Pump Intake ~	(feet)	41		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	32.21
Volume of Water in Well:	(gal)	5.25
Pumping Rate of Pump:	(mL/min)	400
PumpStart: 1458	Pump Stop:	1525
Minutes of Pumping: 27		
Total Volume Removed: 0	(ml)	10800

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond.	ORP	Temp
± 0.2	± 1 mg/l	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ☐
☐
Sample ID: MW-8B
Sample Time: 1450
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☑ No ☐
Duplicate ID: dup-1
Total Bottles: 6

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1413	1416	1419	1422					
Rate (ml/min)	400	400	400	400					
Depth to Water (ft. TOC)	25.16	25.16	25.17	25.17					
Temperature (°C)	22.88	25.09	25.44	25.87					
pH	5.37	5.04	5.03	5.03					
Conductance (mS/cm)	.127	.113	.111	.104					
Dissolved Oxygen mg/L)	2.58	1.82	1.94	1.82					
Turbidity (NTU)	75.8	57.6	47.6	40.9					
ORP (mV)	378	492	503	514					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122
Decontamination Fluids Used: DI H_2O, Alconox
Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☑
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Ashland Allerman
Site Location: Tefa Shopping Center
Sampling Personnel: Eddie Seiling, Daniel Kincaid
Job Number:
Weather: 90°

Event:
Well ID: MW-8C
Date: 7-23-14
Time In: 1720 Time Out: 1735

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	29.94		
Total Depth	(feet)	86.34		
Screened Interval	(feet)			
Pump Intake ~	(feet)	57		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other: ____

WELL WATER INFORMATION

Length of Water Column:	(feet)	56.14
Volume of Water in Well:	(gal)	9.19
Pumping Rate of Pump:	(mL/min)	700
PumpStart: 1720	Pump Stop:	1735
Minutes of Pumping:	15	
Total Volume Removed:	0 (ml)	10500

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ____ ☐
____ ☐
Sample ID: MW-8C
Sample Time: 1735
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method:	Bailer ☐	Peristaltic ☐	Bladder ☑	Other Pump ☐	____	
Tubing Used:	Teflon ☑	Polyethylene ☐				
Sampling Method:	Bailer ☐	Peristaltic ☐	Bladder ☑	Other Pump ☐	____	

Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U-53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1723	1726	1729	1732					
Rate (ml/min)	700	700	700	700					
Depth to Water (ft. TOC)	29.80	29.89	29.93	29.99					
Temperature (°C)	24.37	22.88	22.77	22.74					
pH	10.60	11.29	11.36	11.45					
Conductance (mS/cm)	.384	.563	.572	.583					
Dissolved Oxygen mg/L)	1.95	.84	.60	.61					
Turbidity (NTU)	36.3	22.8	24.4	20.5					
ORP (mV)	56	-25	-30	-36					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122

Decontamination Fluids Used: DI H_2O, Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION Test America
Laboratory: Savannah
Shipped Via: ☐ Federal Express ☐ UPS ☑ Other Courier
Sample was ☐ shipped day of sampling ☐ picked up on 7/24/14
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Ashland Alteiman
Site Location: Tel'n Shopping Center
Sampling Personnel: Eddie Sorden, Daniel Kincaid
Job Number:
Weather: 90

Event:
Well ID: MW-9A
Date: 7-23-14
Time In: 1412 Time Out: 1435

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	20.87		
Total Depth	(feet)	30.91		
Screened Interval	(feet)			
Pump Intake ~	(feet)	25		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other: ____

WELL WATER INFORMATION

Length of Water Column:	(feet)	9.54
Volume of Water in Well:	(gal)	2.087
Pumping Rate of Pump:	(mL/min)	450
PumpStart: 1412	Pump Stop:	1435
Minutes of Pumping:	23	
Total Volume Removed:	0 (ml)	10350

Conversion Factors

gallons per feet	1" ID	2" ID	4" ID	6" ID
of water column:	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: _____ ☐
_____ ☐
Sample ID: MW-9A
Sample Time: 1435
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐ _____
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐ _____

Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U-53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1420	1423	1426	1429					
Rate (ml/min)	450	450	450	450					
Depth to Water (ft. TOC)	20.96	20.96	20.96	20.96					
Temperature (°C)	20.52	20.35	20.32	20.29					
pH	6.37	5.51	5.43	5.30					
Conductance (mS/cm)	.101	.068	.057	.052					
Dissolved Oxygen mg/L)	.05	.08	.08	.09					
Turbidity (NTU)	101	89.2	80.5	77					
ORP (mV)	61	78	94	104					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122
Decontamination Fluids Used: DI, H_2O, Alconox
Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☑
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Ashland Allotment
Site Location: Tern Shopping Center
Sampling Personnel: Daniel Principal Eddie Jenkins
Job Number:
Weather: 90°

Event:
Well ID: MW-9B
Date: 7-23-14
Time In: 1450 Time Out: 1512

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	21.56		
Total Depth	(feet)	64.01		
Screened Interval	(feet)			
Pump Intake ~	(feet)	42		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other: ___

WELL WATER INFORMATION

Length of Water Column:	(feet)	42.45
Volume of Water in Well:	(gal)	6.92
Pumping Rate of Pump:	(mL/min)	400
PumpStart: 1450	Pump Stop:	1512
Minutes of Pumping: 22		
Total Volume Removed: 0	(ml)	8800

Conversion Factors

gallons per feet	1" ID	2" ID	4" ID	6" ID
of water column:	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐ ___
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐ ___
Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U-53

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ___ ☐
___ ☐
Sample ID: MW-9D
Sample Time: 1512
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

Time / Parameter	1	2	3	4	5	6	7	8	9
	1458	1501	1504	1507					
Rate (ml/min)	400	400	400	400					
Depth to Water (ft. TOC)	21.80	21.81	21.80	21.80					
Temperature (°C)	20.69	20.17	19.96	19.89					
pH	6.70	6.36	6.43	6.52					
Conductance (mS/cm)	.095	.151	.154	.156					
Dissolved Oxygen mg/L)	.87	4.94	4.89	4.77					
Turbidity (NTU)	26.4	17.8	15.3	15.5					
ORP (mV)	82	41	36	39					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122

Decontamination Fluids Used: Di H_2O, Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Sacramento
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☑
Chain of Custody Signed By: Daniel Principal

SAMPLING LOG

Client/Project: Ashland Alterman
Site Location: Tara Blvd Shopping Center
Sampling Personnel: EA2
Job Number:
Weather: Cloudy Scattered Showers

Event:
Well ID: MW-9C
Date: 7/23/14
Time In: 1329 Time Out: 1400

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)		20.93	
Total Depth	(feet)		91.59	
Screened Interval	85-100 (feet)			
Pump Intake ~	(feet)		56.26	

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	70.66
Volume of Water in Well:	(gal)	11.5
Pumping Rate of Pump:	(mL/min)	450
PumpStart: 1337	Pump Stop:	1349
Minutes of Pumping:	12	
Total Volume Removed: 0	(ml)	5400

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
Other: ☐
☐
Sample ID: MW-9C
Sample Time: 1350
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method:	Bailer ☐	Peristaltic ☐	Bladder ☑	Other Pump ☐		
Tubing Used:	Teflon ☑	Polyethylene ☐				
Sampling Method:	Bailer ☐	Peristaltic ☐	Bladder ☐	Other Pump ☐		

Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba-U53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1340	1343	1346	1349					
Rate (ml/min)	450	450	450	450					
Depth to Water (ft. TOC)	21.25	21.25	21.25	21.25					
Temperature (°C)	25.59	25.56	25.52	25.44					
pH	8.91	8.92	8.91	8.89					
Conductance (mS/cm)	.117	.192	.192	.191					
Dissolved Oxygen mg/L)	.97	.93	.93	.93					
Turbidity (NTU)	29.3	24.7	23.2	22.1					
ORP (mV)	-175	-181	-184	-194					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122

Decontamination Fluids Used: DI H2O, Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: ☐ Federal Express ☐ UPS ☑ Other Courier
Sample was ☐ shipped day of sampling ☐ picked up on 7/24/14
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Ashland Altamont
Site Location: Izik Shopping Center
Sampling Personnel: EXP
Job Number:
Weather: 90° Sunny

Event:
Well ID: MW-10A
Date: 7-23-14
Time In: 1108 Time Out: 1135

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	25.94		
Total Depth	(feet)	38.32		
Screened Interval	(feet)			
Pump Intake ~	(feet)	32.13		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	12.45
Volume of Water in Well:	(gal)	2.03
Pumping Rate of Pump:	(mL/min)	500
PumpStart: 1108	Pump Stop:	1135
Minutes of Pumping:	27	
Total Volume Removed: 0	(ml)	13500

Conversion Factors

gallons per feet	1" ID	2" ID	4" ID	6" ID
of water column:	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ☐
☐
Sample ID: MW-10A
Sample Time: 1108
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐

Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba -053

Time / Parameter	1	2	3	4	5	6	7	8	9
	1114	1122	1125	1128					
Rate (ml/min)	500	500	500	500					
Depth to Water (ft. TOC)	25.95	25.95	25.95	25.96					
Temperature (°C)	25.45	25.18	25.00	24.84					
pH	5.145	5.138	5.137	5.136					
Conductance (mS/cm)	.077	.081	.077	.073					
Dissolved Oxygen mg/L)	3.36	3.21	3.01	2.97					
Turbidity (NTU)	38.8	28.9	28.1	28.0					
ORP (mV)	210	216	219	221					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122

Decontamination Fluids Used: DI H2O, Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☐
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Ashland Altermon
Site Location: Tri Shopping Center
Sampling Personnel: EZR
Job Number:
Weather: cloudy

Event:
Well ID: MW-10D
Date: 7/23/14
Time In: Time Out:

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	25.74		
Total Depth	(feet)	42.14		
Screened Interval	(feet)			
Pump Intake ~	(feet)	33.9		

check where appropriate
Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	16.45
Volume of Water in Well:	(gal)	2.68
Pumping Rate of Pump:	(mL/min)	400
PumpStart: 1157	Pump Stop:	1213
Minutes of Pumping:	15	
Total Volume Removed:	0 (ml)	6000

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ☐
☐
Sample ID: MW-10D
Sample Time: 1213
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐

Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U-53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1202	1205	1208	1211					
Rate (ml/min)	400	400	400	400					
Depth to Water (ft. TOC)	26.09	26.09	26.09	26.09					
Temperature (°C)	29.32	29.17	29.16	29.10					
pH	7.09	7.25	7.45	7.62					
Conductance (mS/cm)	.186	.193	.210	.215					
Dissolved Oxygen mg/L)	3.42	3.12	3.08	3.11					
Turbidity (NTU)	6.7	23.2	25.3	26.2					
ORP (mV)	39	34	32	32					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122
Decontamination Fluids Used: DI Alconox
Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☑
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Ashland Altsman
Site Location: Terre shopping Center
Sampling Personnel: Eddie Sexton, Daniel Fincanon
Job Number:
Weather: 90°

Event:
Well ID: MW-10C
Date: 7-23-14
Time In: 1235 Time Out: 1300

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	35.65		
Total Depth	(feet)	89.14		
Screened Interval	(feet)			
Pump Intake ~	(feet)	63		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	53
Volume of Water in Well:	(gal)	8.72
Pumping Rate of Pump:	(mL/min)	450
PumpStart: 1236	Pump Stop:	1300
Minutes of Pumping:	25	
Total Volume Removed: 0	(ml)	11250

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ☐
☐
Sample ID: MW-10C
Sample Time: 1300
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles:

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba-U53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1245	1248	1251	1254					
Rate (ml/min)	450	450	450	450					
Depth to Water (ft. TOC)	35.72	35.74	35.74	35.73					
Temperature (°C)	29.66	30.04	29.46	29.32					
pH	7.65	8.59	8.62	8.78					
Conductance (mS/cm)	.193	.193	.205	.207					
Dissolved Oxygen mg/L)	2.75	2.12	1.45	2.12					
Turbidity (NTU)	55	40.1	36.2	31.4					
ORP (mV)	47	28.3	26.9	26.2					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122
Decontamination Fluids Used: DI H_2O Alconox
Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION: Test America Savannah
Laboratory:
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was shipped day of sampling ☐ picked up on 7/24/14 ☑
Chain of Custody Signed By: Daniel Fincanon

SAMPLING LOG

Client/Project: Alterman
Site Location: Iera Shopping Center
Sampling Personnel: Daniel Rivera + Fedor Jordan
Job Number:
Weather: Cloudy 80°

Event:
Well ID: MW-11A
Date: 7-22-14
Time In: 1535 Time Out: 1545

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	23.69		
Total Depth	(feet)	24.87		
Screened Interval	(feet)			
Pump Intake ~	(feet)			

check where appropriate

Well Type: Flushmount [✓] Stick-Up [ ]
Well Locked: Yes [✓] No [ ]
Measuring Point Marked: Yes [✓] No [ ]
Well Diameter: 1" [ ] 2" [✓] Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	1.2
Volume of Water in Well:	(gal)	≈ 20
Pumping Rate of Pump:	(mL/min)	
PumpStart:	Pump Stop:	
Minutes of Pumping:		
Total Volume Removed:	0 (ml)	

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 [✓]
Metals 6010 [ ]
Inorganics Various [ ]
[ ]
Other: [ ]
[ ]
Sample ID: MW-11A
Sample Time: 1545
MS/MSD: Yes [ ] No [✓]
Duplicate: Yes [ ] No [✓]
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method: Bailer [ ] Peristaltic [ ] Bladder [ ] Other Pump [ ] _____
Tubing Used: Teflon [ ] Polyethylene [ ]
Sampling Method: Bailer [✓] Peristaltic [ ] Bladder [ ] Other Pump [ ] _____

Did well go dry? Yes [ ] No [✓] Water Quality Meter Type: _____

Time / Parameter	1	2	3	4	5	6	7	8	9
Rate (ml/min)									
Depth to Water (ft. TOC)									
Temperature (°C)									
pH									
Conductance (mS/cm)									
Dissolved Oxygen mg/L)									
Turbidity (NTU)									
ORP (mV)									

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122

Decontamination Fluids Used:

Sample Observations:
* Could not purge to short of a water column
* purple water
* grab wit bailer

MISCELLANEOUS OBSERVATIONS/PROBLEMS

* Sampled with Bailer

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express [ ] UPS [ ] Other Courier [✓]
Sample was shipped day of sampling [ ] picked up on 7-24-14 [✓]
Chain of Custody Signed By:

SAMPLING LOG

Client/Project: Aflerman Ashland
Site Location: Ten Oaks Shopping Center
Sampling Personnel: SAR
Job Number:
Weather: Cloudy

Event:
Well ID: MW-11B
Date: 7/22/14
Time In: 1148 Time Out: 1213

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	25.74		
Total Depth	(feet)	44.35		
Screened Interval	(feet)			
Pump Intake ~	(feet)	35.04		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	18.61
Volume of Water in Well:	(gal)	3.03
Pumping Rate of Pump: 1148	(mL/min)	400
PumpStart: 1149	Pump Stop: 1213	
Minutes of Pumping:	25	
Total Volume Removed: 0	(ml)	10000

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ☐
☐
Sample ID: MW-11B
Sample Time: 1213
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☐ Other Pump ☑
Tubing Used: Teflon ☑ Polyethylene ☐
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☐ Other Pump ☑

Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba-U53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1148	1202	1205	1208					
Rate (ml/min)	400	400	400	400					
Depth to Water (ft. TOC)	26.09	26.09	26.09	26.09					
Temperature (°C)	26.66	26.15	25.86	25.75					
pH	6.23	6.49	6.61	6.66					
Conductance (mS/cm)	0.104	.120	.127	.128					
Dissolved Oxygen (mg/L)	3.53	3.79	3.82	3.82					
Turbidity (NTU)	25.5	28.1	23.2	22.4					
ORP (mV)	182	151	141	141					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen (mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used: Solinst 122

Decontamination Fluids Used: DI, Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was: shipped day of sampling ☐ picked up on 7/24/14 ☐
Chain of Custody Signed By: Daniel Kincaid

SAMPLING LOG

Client/Project: Altziman
Site Location: Tri-Shopping Center
Sampling Personnel: EAP
Job Number: 240538022
Weather: 80°

Event:
Well ID: MW-11C
Date: 7/22/14
Time In: 1445 Time Out: 1510

WELL INFORMATION

		TIC	TOC	BGS
Depth to Water	(feet)	29.41		
Total Depth	(feet)	88.91		
Screened Interval	(feet)			
Pump Intake ~	(feet)	57.16		

check where appropriate

Well Type: Flushmount ☑ Stick-Up ☐
Well Locked: Yes ☑ No ☐
Measuring Point Marked: Yes ☑ No ☐
Well Diameter: 1" ☐ 2" ☑ Other:

WELL WATER INFORMATION

Length of Water Column:	(feet)	65.75
Volume of Water in Well:	(gal)	10.68
Pumping Rate of Pump:	(mL/min)	400
PumpStart: 1445	Pump Stop:	1510
Minutes of Pumping: 25		
Total Volume Removed: 0	(ml)	10,000

Conversion Factors

gallons per feet of water column:	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 mL = 0.1337 cubic ft.

Unit Stability

pH	DO	Cond	ORP	Temp
± 0.2	± 1 mg/L	± 5.0%	± 10%	± 5%

SAMPLING INFORMATION

Analyses:
VOC 8260 ☑
Metals 6010 ☐
Inorganics Various ☐
☐
Other: ☐
☐
Sample ID: MW-11C
Sample Time: 1505
MS/MSD: Yes ☐ No ☑
Duplicate: Yes ☐ No ☑
Duplicate ID:
Total Bottles: 3

EVACUATION INFORMATION

Evacuation Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Tubing Used: Teflon ☑ ~~Polyethylene~~ ☐ ED
Sampling Method: Bailer ☐ Peristaltic ☐ Bladder ☑ Other Pump ☐
Did well go dry? Yes ☐ No ☑ Water Quality Meter Type: Horiba U-53

Time / Parameter	1	2	3	4	5	6	7	8	9
	1449	1455	1458	1501					
Rate (ml/min)	400	400	400	400					
Depth to Water (ft. TOC)	24.75	24.85	24.95	24.98					
Temperature (°C)	22.47	22.12	21.83	21.62					
pH	5.19	5.30	5.46	5.47					
Conductance (mS/cm)	.237	.226	.222	.221					
Dissolved Oxygen (mg/L)	.80	.86	1.06	.97					
Turbidity (NTU)	36	21.1	19.2	17.7					
ORP (mV)	206	199	189	183					

Time / Parameter	10	11	12
Rate (ml/min)			
Depth to Water (ft. TIC)			
Temperature (°C)			
pH			
Conductance (mS/cm)			
Dissolved Oxygen (mg/L)			
Turbidity (NTU)			
ORP (mV)			

Water Level Equipment Used:
Solinst 122

Decontamination Fluids Used:
DI H2O Alconox

Sample Observations:

MISCELLANEOUS OBSERVATIONS/PROBLEMS

SAMPLE DESTINATION
Laboratory: Test America Savannah
Shipped Via: Federal Express ☐ UPS ☐ Other Courier ☑
Sample was: shipped day of sampling ☐ picked up on 7/24/14 ☐
Chain of Custody Signed By: Daniel Kincaid

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland Atlanta	SITE LOCATION: Alterman/ Tera Shopping Center	
WELL NO: MW-9-A	SAMPLE ID: MW-19A	DATE: 11-19-14

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 14.87	PURGE PUMP TYPE OR BAILER: Peristaltic Pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (0.0047 2 feet X ~~D 25~~ 30 feet) + 0.4 liters/foot = ~~0.6~~ 0.7 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1548	PURGING ENDED AT: 1629	TOTAL VOLUME PURGED (Liters): 5.07

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	[illegible]	OXYGEN REDUCTION POTENTIAL (mV)
/	1551	0.4	0.4	0.13	15.60	4.96	21.80	0.040	4.56		51.5
/	1556	0.65	1.05		15.62	4.96	21.96	0.036	4.51		43.9
/	1601		1.7		15.76	4.93	22.26	0.037	0.72		56.1
/	1606		2.35		15.84	4.90	22.23	0.036	0.50		69.1
/	1611		3		15.86	4.88	22.11	0.035	0.96		73.1
/	1616		3.65		15.92	4.92	22.10	0.037	0.44		~~75.~~
/	1621		4.3		15.98	4.94	22.26	0.039	0.45		75.8
/											75.6
											74.1

WELL CAPACITY (Liters Per Foot): **0.75"** = 0.075; **1"** = 0.15; **1.25"** = 0.23; **2"** = 0.60; **3"** = 1.40; **4"** = 2.46; **5"** = 3.86; **6"** = 5.56; **12"** = 22.05

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Antea Group Daniel Kincaid	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1622	SAMPLING ENDED AT: 1625
PUMP OR TUBING DEPTH IN WELL (feet): 5	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE: PTFE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40mL	HCL	8260 (VOC)

REMARKS: total Depth -> 34.21

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

[illegible]:	[illegible]	ORP:	± 10 %
Temp.:	± 0.5°	Dissolved Oxygen:	± 10 mg/l
pH:	± 0.2 units		
Specific Conductance:	± 05%		
[illegible]:	[illegible]		

GROUNDWATER SAMPLING LOG

SITE NAME:	Ashland Atlanta	SITE LOCATION:	Alterman/ Tera Shopping Center	
WELL NO:	MW-19B	SAMPLE ID:	MW-19B	DATE: 11-19-2014

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	50 feet to 60 feet	15.11	Back Pack with bladder pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (0.0097 / feet 55 feet) 0.8 liters/foot = 1.3 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (Liters):
29		1739	1810	6.2

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
/	1741	0.4	0.4	0.2	15.22	5.99	19.89	0.089	2.67		55.2
/	1746	1.0	1.4		15.56	5.84	21.12	0.083	1.32		60.4
/	1751		2.4		15.68	5.82	21.22	0.083	1.21		72.3
/	1756		3.4		15.73	5.81	21.48	0.082	1.02		72.4
/	1801		4.4		15.79	5.81	21.50	0.082	1.00		72.6
/	1806		5.4		15.91	5.81	21.51	0.087	1.01		73.1
/											
/											

WELL CAPACITY (Liters Per Foot): **0.75"** = 0.075; **1"** = 0.15; **1.25"** = 0.23; **2"** = 0.60; **3"** = 1.40; **4"** = 2.46; **5"** = 3.86; **6"** = 5.56; **12"** = 22.05

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Daniel Kings Arlea Group		1807	1809

PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE:
55	.2	PTFE

FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40ml	HCL	8260 (VOC)

REMARKS: Depth to Bottom 60.16 * Slowest Draw down possible *

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

~~Turbidity~~	~~10 NTU or Stable~~	**ORP:**	± 10 %
Temp.:	± 0.5°	**Dissolved Oxygen:**	± 10 mg/l
pH:	± 0.2 units		
Specific Conductance:	± 05%		
~~Drawdown~~:	~~0.33 Feet less~~		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland Jonesboro	SITE LOCATION: Alterman/ Tera Shopping Center	
WELL NO: MW-19C	SAMPLE ID: MW-19C	DATE: 11/19/11

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 75 feet to 84.96 feet	STATIC DEPTH TO WATER (feet): 14.86	PURGE PUMP TYPE OR BAILER: Dedicated Bladder Pump

EQUIPMENT VOLUME PURGE: 1 **EQUIPMENT VOL.** = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 1.25 liters + (.0097 liters/foot X 80 feet) + 0.4 liters = 1.4 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 80	PURGING INITIATED AT: 1700	PURGING ENDED AT: 1727	TOTAL VOLUME PURGED (Liters): 13.5

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
/	1702	1	1	.5	14.98	9.17	19.00	0.210	3.37		35.4
/	1707	2.5	3.5	.5	15.19	9.18	18.99	0.210	3.35		38.6
/	1712	2.5	6	.5	15.24	9.18	19.50	0.213	3.21		34.5
/	1717	2.5	8.5	.5	15.39	9.20	18.71	0.216	3.52		27.8
/	1722	2.5	11	.5	15.41	9.17	16.07	0.215	3.79		21.6
/	1727	2.5	13.5	.5	15.43	9.14	15.20	0.213	3.40		14.7
/											
/											

TUBING INSIDE DIA. CAPACITY (Liters/Ft.): **1/8"** = 0.0024; **3/16"** = 0.0054; **1/4"** = 0.0097; **5/16"** = 0.0151; **3/8"** = 0.0217; **1/2"** = 0.0386; **5/8"** = 0.0603

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Eddie Smith/Antea Group	SAMPLER(S) SIGNATURES: Eddie L Smith	SAMPLING INITIATED AT: 1729	SAMPLING ENDED AT: 1730
PUMP OR TUBING DEPTH IN WELL (feet): 80	SAMPLE PUMP FLOW RATE (L per minute): .5	TUBING MATERIAL CODE: HDPE / PTFE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Temp.:	± 5 %	**Dissolved Oxygen:**	± 1 mg/L
pH:	± 0.2 units	**ORP:**	± 10 %
Specific Conductance:	± 5%		

GROUNDWATER SAMPLING LOG

SITE NAME:	Ashland Jonesboro	SITE LOCATION:	Alterman/ Tera Shopping Center
WELL NO:	MW-22B	SAMPLE ID: MW-22B	DATE: 11/14/14

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 67.0 feet to 75.98 feet	STATIC DEPTH TO WATER (feet): 14.64	PURGE PUMP TYPE OR BAILER: Dedicated Bladder Pump

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= 0.25 liters + (.0097 liters/foot X 45 feet) + .4 liters = 1 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 45	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1206	TOTAL VOLUME PURGED (Liters): 4.6

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
/	1141	.1	.1	.1	14.67	6.17	14.87	0.277	3.85		202.5
/	1146	.5	.6	.1	14.69	6.79	13.80	0.223	3.32		203.6
/	1151	1	1.6	.2	14.70	6.91	12.15	0.186	1.85		198.3
/	1156	1	2.6	.2	14.70	6.91	11.18	0.181	1.50		196.5
/	1201	1	3.6	.2	14.70	6.97	12.35	0.185	1.10		190.6
/	1206	1	4.6	.2	14.70	7.00	13.68	0.178	1.03		185.9
/											
/											

TUBING INSIDE DIA. CAPACITY (Liters/Ft.): **1/8"** = 0.0024; **3/16"** = 0.0054; **1/4"** = 0.0097; **5/16"** = 0.0151; **3/8"** = 0.0217; **1/2"** = 0.0386; **5/8"** = 0.0603

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Edelin Jordan / Alterra Group	SAMPLER(S) SIGNATURES: Edelin Jordan	SAMPLING INITIATED AT: 1207	SAMPLING ENDED AT: 1209
PUMP OR TUBING DEPTH IN WELL (feet): 45	SAMPLE PUMP FLOW RATE (L per minute): .2	TUBING MATERIAL CODE: HDPE / PTFE	
FIELD DECONTAMINATION: Y **N**	FIELD-FILTERED: Y **N** FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Temp.:	± 5 %	**Dissolved Oxygen:**	± 1 mg/L
pH:	± 0.2 units	**ORP:**	± 10 %
Specific Conductance:	± 5%		

GROUNDWATER SAMPLING LOG

SITE NAME:	Ashland Jonesboro	SITE LOCATION:	Alterman/ Tera Shopping Center
WELL NO:	MW-19D	SAMPLE ID:	MW-19D
		DATE:	11/19/21

PURGING DATA

WELL DIAMETER (inches):	2	WELL SCREEN INTERVAL DEPTH:	95.5 feet to 105.5 feet	STATIC DEPTH TO WATER (feet):	15.93	PURGE PUMP TYPE OR BAILER:	Pump

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

= 0.25 liters + (.0097 liters/foot X 96 feet) + 0.4 liters = 1.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	60	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	60	PURGING INITIATED AT:	1547	PURGING ENDED AT:	1614	TOTAL VOLUME PURGED (Liters):	2.05

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
/	1549	.8	.8	.5	15.98	10.74	21.76	0.382	2.36		115.2
/	1554	.25	1.05	.5	16.25	10.75	22.36	0.392	1.04		102.2
/	1559	.25	1.30	.5	16.43	10.80	20.89	0.394	1.03		95.8
/	1604	.25	1.55	.5	16.65	10.78	20.80	0.394	0.93		91.1
/	1609	.25	1.8	.5	16.65	10.77	20.72	0.392	0.88		87.5
/	1614	.25	2.05	.5	16.65	10.76	20.65	0.390	0.87		84.3
/											
/											

TUBING INSIDE DIA. CAPACITY (Liters/Ft.): **1/8"** = 0.0024; **3/16"** = 0.0054; **1/4"** = 0.0097; **5/16"** = 0.0151; **3/8"** = 0.0217; **1/2"** = 0.0386; **5/8"** = 0.0603

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	Eddie Jordan/Antea Group	SAMPLER(S) SIGNATURES:	Eddie Jordan	SAMPLING INITIATED AT:	1614	SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):	60	SAMPLE PUMP FLOW RATE (L per minute):	.5	TUBING MATERIAL CODE:	HDPE / PTFE		
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
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Temp.:	± 5 %	**Dissolved Oxygen:**	± 1 mg/L
pH:	± 0.2 units	**ORP:**	± 10 %
Specific Conductance:	± 5%		

GROUNDWATER SAMPLING LOG

SITE NAME:	Ashland Atlanta	SITE LOCATION:	Alterman/ Tera Shopping Center	
WELL NO:	MW-21B	SAMPLE ID:	MW-21B	DATE: 11-19-14

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	29.5 feet to 39.5 feet	14.93	peristaltic pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (0.0097) L/feet X 34.5 feet + 0.4 liters/foot = 0.7 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (Liters):
29		1312	1346	6.8

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
/	1314	0.4	0.4	0.2	15.31	5.14	21.00	0.066	5.13		56.2
/	1319	1.0	1.4		15.55	5.72	21.17	0.063	5.28		61.0
/	1324		2.4		15.60	5.73	21.40	0.063	5.34		68.4
/	1329		3.4		15.61	5.73	21.18	0.062	5.66		74.2
/	1334		4.4		15.61	5.72	21.23	0.061	5.58		76.9
/	1339		5.4		15.61	5.72	21.23	0.061	5.61		76.7
/											
/											

WELL CAPACITY (Liters Per Foot): **0.75"** = 0.075; **1"** = 0.15; **1.25"** = 0.23; **2"** = 0.60; **3"** = 1.40; **4"** = 2.46; **5"** = 3.86; **6"** = 5.56; **12"** = 22.05

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Antea Group David Hilliard		1340	1345
PUMP OR TUBING DEPTH IN WELL (feet):	**SAMPLE PUMP FLOW RATE (L per minute):**	**TUBING MATERIAL CODE:**	
34.5	.2	PTFE	
FIELD DECONTAMINATION: (Y) N	**FIELD-FILTERED:** Y (N) **FILTER SIZE:** ____ µm **Filtration Equipment Type:**	**DUPLICATE:** (Y) N	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40ml	HCL	8260(VOA)

REMARKS: Total Depth 39.45 Dup-2

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

[redacted]	[redacted]	**ORP:**	± 10 %
Temp.:	± 0.5°	**Dissolved Oxygen:**	± 10 mg/l
pH:	± 0.2 units		
Specific Conductance:	± 05%		
[redacted]	[redacted]		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland Jonesboro	SITE LOCATION: Alterman/ Tera Shopping Center	
WELL NO: MW-21C	SAMPLE ID: MW-21C	DATE: 11/19/14

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 64.15 feet to 72.19 feet	STATIC DEPTH TO WATER (feet): 14.48	PURGE PUMP TYPE OR BAILER: Dedicated Bladder Pump

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.25 liters + (.0097 liters/foot X 68 feet) + 0.4 liters = 1.3 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 68	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 68	PURGING INITIATED AT: 1314	PURGING ENDED AT: 1351	TOTAL VOLUME PURGED (Liters): 6.6

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
/	1321	.6	.6	.2	15.25	7.39	18.94	0.168	3.24		172.2
/	1326	1	1.6	.2	15.25	7.42	18.69	0.168	3.36		171.6
/	1331	1	2.6	.2	15.45	7.34	19.72	0.163	1.28		165.2
/	1336	1	3.6	.2	15.83	7.28	19.95	0.162	0.80		159.9
/	1341	1	4.6	.2	15.83	7.29	20.05	0.163	0.56		154.5
/	1346	1	5.6	.2	15.93	7.27	19.94	0.165	0.46		150.9
/	1351	1	6.6	.2	15.93	7.24	20.16	0.163	0.43		148.8
/											

TUBING INSIDE DIA. CAPACITY (Liters/Ft.): **1/8"** = 0.0024; **3/16"** = 0.0054; **1/4"** = 0.0097; **5/16"** = 0.0151; **3/8"** = 0.0217; **1/2"** = 0.0386; **5/8"** = 0.0603

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Eddie Jordan/Antea Group	SAMPLER(S) SIGNATURES: Eddie Jordan	SAMPLING INITIATED AT: 1353	SAMPLING ENDED AT: 1355
PUMP OR TUBING DEPTH IN WELL (feet): 68	SAMPLE PUMP FLOW RATE (L per minute): .2	TUBING MATERIAL CODE: HDPE / PTFE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Temp.:	± 5 %	**Dissolved Oxygen:**	± 1 mg/L
pH:	± 0.2 units	**ORP:**	± 10 %
Specific Conductance:	± 5%		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland Atlanta		SITE LOCATION: Alterman/ Tera Shopping Center	
WELL NO: MW-22A	SAMPLE ID: MW-22A		DATE: 11-19-2014

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 14.69	PURGE PUMP TYPE OR BAILER: Peristaltic Pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (0.0019 feet X 23 feet X .04 liters/foot = 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1103	PURGING ENDED AT: 1138	TOTAL VOLUME PURGED (Liters): 3.5

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	[illegible]	OXYGEN REDUCTION POTENTIAL (mV)
/	1107	0.4	0.4	0.1	15.05	5.10	14.26	0.067	1.43		12.0
/	1112	0.5	0.9		15.11	5.25	15.05	0.033	1.09		-18.5
/	1117	↓	1.4		15.17	5.30	16.04	0.028	1.36		-27.0
/	1122		1.9		15.19	5.30	16.14	0.027	0.86		-28.3
/	1127		2.4		15.19	5.31	16.11	0.027	0.80		-29.7
/	1132	↓	2.9	↓	15.19	5.31	16.15	0.027	0.78		-30.0
/											
/											

WELL CAPACITY (Liters Per Foot): **0.75"** = 0.075; **1"** = 0.15; **1.25"** = 0.23; **2"** = 0.60; **3"** = 1.40; **4"** = 2.46; **5"** = 3.86; **6"** = 5.56; **12"** = 22.05

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Daniel Kiscaden Antea Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1133	SAMPLING ENDED AT: 1135
PUMP OR TUBING DEPTH IN WELL (feet): 23	SAMPLE PUMP FLOW RATE (L per minute): .1	TUBING MATERIAL CODE: PTFE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40mL	HCL	8260 (VOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

[redacted]:	[redacted]	ORP:	± 10 %
Temp.:	± 0.5°	Dissolved Oxygen:	± 10 mg/l
pH:	± 0.2 units		
Specific Conductance:	± 05%		
[redacted]			

GROUNDWATER SAMPLING LOG

SITE NAME:	Ashland Jonesboro	SITE LOCATION:	Alterman/ Tera Shopping Center
WELL NO:	MW-22B	SAMPLE ID:	MW-22B
		DATE:	11/14/14

PURGING DATA

WELL DIAMETER (inches):	2	WELL SCREEN INTERVAL DEPTH:	14.64 feet to 75.98 feet	STATIC DEPTH TO WATER (feet):	14.64	PURGE PUMP TYPE OR BAILER:	Dedicated Bladder Pump

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= 0.25 liters + (.0097 liters/foot X 71 feet) + .4 liters = 1.3 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	45	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	45	PURGING INITIATED AT:	1140	PURGING ENDED AT:	1206	TOTAL VOLUME PURGED (Liters):	4.6

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
/	1141	.1	.1	.1	14.69	6.17	14.87	0.277	3.85		202.5
/	1146	.5	.6	.1	14.69	6.74	13.80	0.223	3.32		203.6
/	1151	1	1.6	.2	14.70	6.91	12.15	0.180	1.85		198.3
/	1156	1	2.6	.2	14.70	6.91	11.18	0.181	1.50		196.5
/	1201	1	3.6	.2	14.70	6.97	12.35	0.185	1.10		190.6
/	1206	1	4.6	.2	14.70	7.00	13.65	0.178	1.03		185.9
/											
/											

TUBING INSIDE DIA. CAPACITY (Liters/Ft.): **1/8"** = 0.0024; **3/16"** = 0.0054; **1/4"** = 0.0097; **5/16"** = 0.0151; **3/8"** = 0.0217; **1/2"** = 0.0386; **5/8"** = 0.0603

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	Eddie Jordan / Arcadis	SAMPLER(S) SIGNATURES:		SAMPLING INITIATED AT:	1207	SAMPLING ENDED AT:	1209
PUMP OR TUBING DEPTH IN WELL (feet):	45	SAMPLE PUMP FLOW RATE (L per minute):	.2	TUBING MATERIAL CODE:	HDPE / PTFE		
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
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Temp.:	± 5 %	**Dissolved Oxygen:**	± 1 mg/L
pH:	± 0.2 units	**ORP:**	± 10 %
Specific Conductance:	± 5%		

ATTACHMENT C
Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-103647-1
Client Project/Site: Ashland Alterman

For:
EHS Support, LLC
3909 Tweedsmuir Drive
Columbus, Ohio 43221

Attn: Ms. Michelle Stayrook

Authorized for release by:
7/31/2014 9:47:58 AM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-103647-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EHS Support, LLC

Project: Ashland Alterman

Report Number: 680-103647-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 07/25/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-3A (680-103647-1), MW-3B (680-103647-2), MW-8A (680-103647-3), MW-8B (680-103647-4), MW-8C (680-103647-5), MW-9A (680-103647-6), MW-9B (680-103647-7), MW-9C (680-103647-8), MW-10A (680-103647-9), MW-10B (680-103647-10), MW-10C (680-103647-11), MW-11A (680-103647-12), MW-11B (680-103647-13), MW-11C (680-103647-14), DUP-1 (680-103647-15), Trip Blank (680-103647-16) and Equipment Blank (680-103647-17) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/29/2014 and 07/30/2014.

Samples MW-8A (680-103647-3)[10X], MW-8B (680-103647-4)[2X], MW-9A (680-103647-6)[5X], MW-10A (680-103647-9)[5X] and MW-11A (680-103647-12)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted due to color: MW-11A (680-103647-12). Elevated reporting limits (RL) are provided.

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

Sample Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-103647-1	MW-3A	Water	07/22/14 12:58	07/25/14 09:30
680-103647-2	MW-3B	Water	07/22/14 13:37	07/25/14 09:30
680-103647-3	MW-8A	Water	07/23/14 16:10	07/25/14 09:30
680-103647-4	MW-8B	Water	07/23/14 15:25	07/25/14 09:30
680-103647-5	MW-8C	Water	07/23/14 17:35	07/25/14 09:30
680-103647-6	MW-9A	Water	07/23/14 14:35	07/25/14 09:30
680-103647-7	MW-9B	Water	07/23/14 15:12	07/25/14 09:30
680-103647-8	MW-9C	Water	07/23/14 13:50	07/25/14 09:30
680-103647-9	MW-10A	Water	07/23/14 11:35	07/25/14 09:30
680-103647-10	MW-10B	Water	07/23/14 12:13	07/25/14 09:30
680-103647-11	MW-10C	Water	07/23/14 13:00	07/25/14 09:30
680-103647-12	MW-11A	Water	07/22/14 15:45	07/25/14 09:30
680-103647-13	MW-11B	Water	07/22/14 12:13	07/25/14 09:30
680-103647-14	MW-11C	Water	07/22/14 15:05	07/25/14 09:30
680-103647-15	DUP-1	Water	07/23/14 00:00	07/25/14 09:30
680-103647-16	Trip Blank	Water	07/22/14 09:00	07/25/14 09:30
680-103647-17	Equipment Blank	Water	07/22/14 09:30	07/25/14 09:30

Method Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV

Protocol References:

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Client Sample ID: MW-3A — Lab Sample ID: 680-103647-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	60		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	1.1		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-3B — Lab Sample ID: 680-103647-2

No Detections.

Client Sample ID: MW-8A — Lab Sample ID: 680-103647-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		10		ug/L	10		8260B	Total/NA
Tetrachloroethene	550		10		ug/L	10		8260B	Total/NA
Trichloroethene	32		10		ug/L	10		8260B	Total/NA

Client Sample ID: MW-8B — Lab Sample ID: 680-103647-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	190		2.0		ug/L	2		8260B	Total/NA

Client Sample ID: MW-8C — Lab Sample ID: 680-103647-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	18		10		ug/L	1		8260B	Total/NA
Carbon disulfide	2.3		2.0		ug/L	1		8260B	Total/NA
Chloromethane	1.3		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-9A — Lab Sample ID: 680-103647-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.5		5.0		ug/L	5		8260B	Total/NA
Tetrachloroethene	370		5.0		ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	7.3		5.0		ug/L	5		8260B	Total/NA
Trichloroethene	230		5.0		ug/L	5		8260B	Total/NA

Client Sample ID: MW-9B — Lab Sample ID: 680-103647-7

No Detections.

Client Sample ID: MW-9C — Lab Sample ID: 680-103647-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	110		25		ug/L	1		8260B	Total/NA

Client Sample ID: MW-10A — Lab Sample ID: 680-103647-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	14		5.0		ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	41		5.0		ug/L	5		8260B	Total/NA
Tetrachloroethene	480		5.0		ug/L	5		8260B	Total/NA
Trichloroethene	82		5.0		ug/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Client Sample ID: MW-10B — Lab Sample ID: 680-103647-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.7		1.0		ug/L	1		8260B	Total/NA
Tetrachloroethene	76		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	1.8		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-10C — Lab Sample ID: 680-103647-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.2		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-11A — Lab Sample ID: 680-103647-12

No Detections.

Client Sample ID: MW-11B — Lab Sample ID: 680-103647-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	19		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	1.8		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-11C — Lab Sample ID: 680-103647-14

No Detections.

Client Sample ID: DUP-1 — Lab Sample ID: 680-103647-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	150		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 680-103647-16

No Detections.

Client Sample ID: Equipment Blank — Lab Sample ID: 680-103647-17

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3A

Lab Sample ID: 680-103647-1

Date Collected: 07/22/14 12:58

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 14:09	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:09	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:09	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:09	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:09	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 14:09	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 14:09	1
2-Hexanone	<10		10		ug/L			07/29/14 14:09	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 14:09	1
Acetone	<25		25		ug/L			07/29/14 14:09	1
Benzene	<1.0		1.0		ug/L			07/29/14 14:09	1
Bromoform	<1.0		1.0		ug/L			07/29/14 14:09	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 14:09	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 14:09	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 14:09	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 14:09	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 14:09	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 14:09	1
Chloroform	<1.0		1.0		ug/L			07/29/14 14:09	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 14:09	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:09	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:09	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 14:09	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 14:09	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 14:09	1
Styrene	<1.0		1.0		ug/L			07/29/14 14:09	1
Tetrachloroethene	**60**		1.0		ug/L			07/29/14 14:09	1
Toluene	<1.0		1.0		ug/L			07/29/14 14:09	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:09	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:09	1
Trichloroethene	**1.1**		1.0		ug/L			07/29/14 14:09	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 14:09	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*07/29/14 14:09*	*1*
Dibromofluoromethane	*118*		*70 - 130*		*07/29/14 14:09*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/29/14 14:09*	*1*

Client Sample ID: MW-3B

Lab Sample ID: 680-103647-2

Date Collected: 07/22/14 13:37

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:31	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 14:31	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:31	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:31	1

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Client Sample ID: MW-3B

Date Collected: 07/22/14 13:37
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:31	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:31	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 14:31	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 14:31	1
2-Hexanone	<10		10		ug/L			07/29/14 14:31	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 14:31	1
Acetone	<25		25		ug/L			07/29/14 14:31	1
Benzene	<1.0		1.0		ug/L			07/29/14 14:31	1
Bromoform	<1.0		1.0		ug/L			07/29/14 14:31	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 14:31	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 14:31	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 14:31	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 14:31	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 14:31	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 14:31	1
Chloroform	<1.0		1.0		ug/L			07/29/14 14:31	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 14:31	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:31	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:31	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 14:31	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 14:31	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 14:31	1
Styrene	<1.0		1.0		ug/L			07/29/14 14:31	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 14:31	1
Toluene	<1.0		1.0		ug/L			07/29/14 14:31	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:31	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:31	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 14:31	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 14:31	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*07/29/14 14:31*	*1*
Dibromofluoromethane	*118*		*70 - 130*		*07/29/14 14:31*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/14 14:31*	*1*

Client Sample ID: MW-8A

Date Collected: 07/23/14 16:10
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		10		ug/L			07/29/14 14:52	10
1,1,2,2-Tetrachloroethane	<10		10		ug/L			07/29/14 14:52	10
1,1,2-Trichloroethane	<10		10		ug/L			07/29/14 14:52	10
1,1-Dichloroethane	<10		10		ug/L			07/29/14 14:52	10
1,1-Dichloroethene	<10		10		ug/L			07/29/14 14:52	10
1,2-Dichloroethane	<10		10		ug/L			07/29/14 14:52	10
1,2-Dichloropropane	<10		10		ug/L			07/29/14 14:52	10
2-Butanone (MEK)	<100		100		ug/L			07/29/14 14:52	10

Client Sample ID: MW-8A

Date Collected: 07/23/14 16:10
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<100		100		ug/L			07/29/14 14:52	10
4-Methyl-2-pentanone (MIBK)	<100		100		ug/L			07/29/14 14:52	10
Acetone	<250		250		ug/L			07/29/14 14:52	10
Benzene	<10		10		ug/L			07/29/14 14:52	10
Bromoform	<10		10		ug/L			07/29/14 14:52	10
Bromomethane	<50		50		ug/L			07/29/14 14:52	10
Carbon disulfide	<20		20		ug/L			07/29/14 14:52	10
Carbon tetrachloride	<10		10		ug/L			07/29/14 14:52	10
Chlorobenzene	<10		10		ug/L			07/29/14 14:52	10
Chlorodibromomethane	<10		10		ug/L			07/29/14 14:52	10
Chloroethane	<50		50		ug/L			07/29/14 14:52	10
Chloroform	<10		10		ug/L			07/29/14 14:52	10
Chloromethane	<10		10		ug/L			07/29/14 14:52	10
cis-1,2-Dichloroethene	**12**		10		ug/L			07/29/14 14:52	10
cis-1,3-Dichloropropene	<10		10		ug/L			07/29/14 14:52	10
Dichlorobromomethane	<10		10		ug/L			07/29/14 14:52	10
Ethylbenzene	<10		10		ug/L			07/29/14 14:52	10
Methylene Chloride	<50		50		ug/L			07/29/14 14:52	10
Styrene	<10		10		ug/L			07/29/14 14:52	10
Tetrachloroethene	**550**		10		ug/L			07/29/14 14:52	10
Toluene	<10		10		ug/L			07/29/14 14:52	10
trans-1,2-Dichloroethene	<10		10		ug/L			07/29/14 14:52	10
trans-1,3-Dichloropropene	<10		10		ug/L			07/29/14 14:52	10
Trichloroethene	**32**		10		ug/L			07/29/14 14:52	10
Vinyl chloride	<10		10		ug/L			07/29/14 14:52	10
Xylenes, Total	<20		20		ug/L			07/29/14 14:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*07/29/14 14:52*	*10*
Dibromofluoromethane	*111*		*70 - 130*		*07/29/14 14:52*	*10*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/14 14:52*	*10*

Client Sample ID: MW-8B

Date Collected: 07/23/14 15:25
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0		ug/L			07/29/14 15:13	2
1,1,2,2-Tetrachloroethane	<2.0		2.0		ug/L			07/29/14 15:13	2
1,1,2-Trichloroethane	<2.0		2.0		ug/L			07/29/14 15:13	2
1,1-Dichloroethane	<2.0		2.0		ug/L			07/29/14 15:13	2
1,1-Dichloroethene	<2.0		2.0		ug/L			07/29/14 15:13	2
1,2-Dichloroethane	<2.0		2.0		ug/L			07/29/14 15:13	2
1,2-Dichloropropane	<2.0		2.0		ug/L			07/29/14 15:13	2
2-Butanone (MEK)	<20		20		ug/L			07/29/14 15:13	2
2-Hexanone	<20		20		ug/L			07/29/14 15:13	2
4-Methyl-2-pentanone (MIBK)	<20		20		ug/L			07/29/14 15:13	2
Acetone	<50		50		ug/L			07/29/14 15:13	2
Benzene	<2.0		2.0		ug/L			07/29/14 15:13	2

Client Sample ID: MW-8B

Lab Sample ID: 680-103647-4

Date Collected: 07/23/14 15:25

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<2.0		2.0		ug/L			07/29/14 15:13	2
Bromomethane	<10		10		ug/L			07/29/14 15:13	2
Carbon disulfide	<4.0		4.0		ug/L			07/29/14 15:13	2
Carbon tetrachloride	<2.0		2.0		ug/L			07/29/14 15:13	2
Chlorobenzene	<2.0		2.0		ug/L			07/29/14 15:13	2
Chlorodibromomethane	<2.0		2.0		ug/L			07/29/14 15:13	2
Chloroethane	<10		10		ug/L			07/29/14 15:13	2
Chloroform	<2.0		2.0		ug/L			07/29/14 15:13	2
Chloromethane	<2.0		2.0		ug/L			07/29/14 15:13	2
cis-1,2-Dichloroethene	<2.0		2.0		ug/L			07/29/14 15:13	2
cis-1,3-Dichloropropene	<2.0		2.0		ug/L			07/29/14 15:13	2
Dichlorobromomethane	<2.0		2.0		ug/L			07/29/14 15:13	2
Ethylbenzene	<2.0		2.0		ug/L			07/29/14 15:13	2
Methylene Chloride	<10		10		ug/L			07/29/14 15:13	2
Styrene	<2.0		2.0		ug/L			07/29/14 15:13	2
Tetrachloroethene	**190**		2.0		ug/L			07/29/14 15:13	2
Toluene	<2.0		2.0		ug/L			07/29/14 15:13	2
trans-1,2-Dichloroethene	<2.0		2.0		ug/L			07/29/14 15:13	2
trans-1,3-Dichloropropene	<2.0		2.0		ug/L			07/29/14 15:13	2
Trichloroethene	<2.0		2.0		ug/L			07/29/14 15:13	2
Vinyl chloride	<2.0		2.0		ug/L			07/29/14 15:13	2
Xylenes, Total	<4.0		4.0		ug/L			07/29/14 15:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*07/29/14 15:13*	*2*
Dibromofluoromethane	*107*		*70 - 130*		*07/29/14 15:13*	*2*
Toluene-d8 (Surr)	*103*		*70 - 130*		*07/29/14 15:13*	*2*

Client Sample ID: MW-8C

Lab Sample ID: 680-103647-5

Date Collected: 07/23/14 17:35

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 15:35	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 15:35	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 15:35	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 15:35	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 15:35	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 15:35	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 15:35	1
2-Butanone (MEK)	**18**		10		ug/L			07/29/14 15:35	1
2-Hexanone	<10		10		ug/L			07/29/14 15:35	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 15:35	1
Acetone	<25		25		ug/L			07/29/14 15:35	1
Benzene	<1.0		1.0		ug/L			07/29/14 15:35	1
Bromoform	<1.0		1.0		ug/L			07/29/14 15:35	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 15:35	1
Carbon disulfide	**2.3**		2.0		ug/L			07/29/14 15:35	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 15:35	1

Client Sample ID: MW-8C

Lab Sample ID: 680-103647-5

Date Collected: 07/23/14 17:35

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 15:35	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 15:35	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 15:35	1
Chloroform	<1.0		1.0		ug/L			07/29/14 15:35	1
Chloromethane	**1.3**		1.0		ug/L			07/29/14 15:35	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 15:35	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 15:35	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 15:35	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 15:35	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 15:35	1
Styrene	<1.0		1.0		ug/L			07/29/14 15:35	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 15:35	1
Toluene	<1.0		1.0		ug/L			07/29/14 15:35	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 15:35	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 15:35	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 15:35	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 15:35	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*07/29/14 15:35*	*1*
Dibromofluoromethane	*118*		*70 - 130*		*07/29/14 15:35*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/29/14 15:35*	*1*

Client Sample ID: MW-9A

Lab Sample ID: 680-103647-6

Date Collected: 07/23/14 14:35

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			07/30/14 12:24	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			07/30/14 12:24	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			07/30/14 12:24	5
1,1-Dichloroethane	<5.0		5.0		ug/L			07/30/14 12:24	5
1,1-Dichloroethene	<5.0		5.0		ug/L			07/30/14 12:24	5
1,2-Dichloroethane	<5.0		5.0		ug/L			07/30/14 12:24	5
1,2-Dichloropropane	<5.0		5.0		ug/L			07/30/14 12:24	5
2-Butanone (MEK)	<50		50		ug/L			07/30/14 12:24	5
2-Hexanone	<50		50		ug/L			07/30/14 12:24	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			07/30/14 12:24	5
Acetone	<130		130		ug/L			07/30/14 12:24	5
Benzene	<5.0		5.0		ug/L			07/30/14 12:24	5
Bromoform	<5.0		5.0		ug/L			07/30/14 12:24	5
Bromomethane	<25		25		ug/L			07/30/14 12:24	5
Carbon disulfide	<10		10		ug/L			07/30/14 12:24	5
Carbon tetrachloride	<5.0		5.0		ug/L			07/30/14 12:24	5
Chlorobenzene	<5.0		5.0		ug/L			07/30/14 12:24	5
Chlorodibromomethane	<5.0		5.0		ug/L			07/30/14 12:24	5
Chloroethane	<25		25		ug/L			07/30/14 12:24	5
Chloroform	<5.0		5.0		ug/L			07/30/14 12:24	5

Client Sample ID: MW-9A

Lab Sample ID: 680-103647-6

Date Collected: 07/23/14 14:35

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.0		5.0		ug/L			07/30/14 12:24	5
cis-1,2-Dichloroethene	**8.5**		5.0		ug/L			07/30/14 12:24	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			07/30/14 12:24	5
Dichlorobromomethane	<5.0		5.0		ug/L			07/30/14 12:24	5
Ethylbenzene	<5.0		5.0		ug/L			07/30/14 12:24	5
Methylene Chloride	<25		25		ug/L			07/30/14 12:24	5
Styrene	<5.0		5.0		ug/L			07/30/14 12:24	5
Tetrachloroethene	**370**		5.0		ug/L			07/30/14 12:24	5
Toluene	<5.0		5.0		ug/L			07/30/14 12:24	5
trans-1,2-Dichloroethene	**7.3**		5.0		ug/L			07/30/14 12:24	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			07/30/14 12:24	5
Trichloroethene	**230**		5.0		ug/L			07/30/14 12:24	5
Vinyl chloride	<5.0		5.0		ug/L			07/30/14 12:24	5
Xylenes, Total	<10		10		ug/L			07/30/14 12:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*07/30/14 12:24*	*5*
Dibromofluoromethane	*110*		*70 - 130*		*07/30/14 12:24*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/30/14 12:24*	*5*

Client Sample ID: MW-9B

Lab Sample ID: 680-103647-7

Date Collected: 07/23/14 15:12

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 16:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 16:18	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 16:18	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 16:18	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 16:18	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 16:18	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 16:18	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 16:18	1
2-Hexanone	<10		10		ug/L			07/29/14 16:18	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 16:18	1
Acetone	<25		25		ug/L			07/29/14 16:18	1
Benzene	<1.0		1.0		ug/L			07/29/14 16:18	1
Bromoform	<1.0		1.0		ug/L			07/29/14 16:18	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 16:18	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 16:18	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 16:18	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 16:18	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 16:18	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 16:18	1
Chloroform	<1.0		1.0		ug/L			07/29/14 16:18	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 16:18	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 16:18	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 16:18	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 16:18	1

Client Sample ID: MW-9B

Lab Sample ID: 680-103647-7

Date Collected: 07/23/14 15:12

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 16:18	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 16:18	1
Styrene	<1.0		1.0		ug/L			07/29/14 16:18	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 16:18	1
Toluene	<1.0		1.0		ug/L			07/29/14 16:18	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 16:18	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 16:18	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 16:18	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 16:18	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*07/29/14 16:18*	*1*
Dibromofluoromethane	*117*		*70 - 130*		*07/29/14 16:18*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/14 16:18*	*1*

Client Sample ID: MW-9C

Lab Sample ID: 680-103647-8

Date Collected: 07/23/14 13:50

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 16:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 16:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 16:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 16:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 16:39	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 16:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 16:39	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 16:39	1
2-Hexanone	<10		10		ug/L			07/29/14 16:39	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 16:39	1
Acetone	**110**		25		ug/L			07/29/14 16:39	1
Benzene	<1.0		1.0		ug/L			07/29/14 16:39	1
Bromoform	<1.0		1.0		ug/L			07/29/14 16:39	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 16:39	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 16:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 16:39	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 16:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 16:39	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 16:39	1
Chloroform	<1.0		1.0		ug/L			07/29/14 16:39	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 16:39	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 16:39	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 16:39	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 16:39	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 16:39	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 16:39	1
Styrene	<1.0		1.0		ug/L			07/29/14 16:39	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 16:39	1

Client Sample ID: MW-9C

Lab Sample ID: 680-103647-8

Date Collected: 07/23/14 13:50

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<1.0		1.0		ug/L			07/29/14 16:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 16:39	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 16:39	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 16:39	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 16:39	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*07/29/14 16:39*	*1*
Dibromofluoromethane	*118*		*70 - 130*		*07/29/14 16:39*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/14 16:39*	*1*

Client Sample ID: MW-10A

Lab Sample ID: 680-103647-9

Date Collected: 07/23/14 11:35

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			07/29/14 17:01	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			07/29/14 17:01	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			07/29/14 17:01	5
1,1-Dichloroethane	<5.0		5.0		ug/L			07/29/14 17:01	5
1,1-Dichloroethene	<5.0		5.0		ug/L			07/29/14 17:01	5
1,2-Dichloroethane	<5.0		5.0		ug/L			07/29/14 17:01	5
1,2-Dichloropropane	<5.0		5.0		ug/L			07/29/14 17:01	5
2-Butanone (MEK)	<50		50		ug/L			07/29/14 17:01	5
2-Hexanone	<50		50		ug/L			07/29/14 17:01	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			07/29/14 17:01	5
Acetone	<130		130		ug/L			07/29/14 17:01	5
Benzene	<5.0		5.0		ug/L			07/29/14 17:01	5
Bromoform	<5.0		5.0		ug/L			07/29/14 17:01	5
Bromomethane	<25		25		ug/L			07/29/14 17:01	5
Carbon disulfide	<10		10		ug/L			07/29/14 17:01	5
Carbon tetrachloride	<5.0		5.0		ug/L			07/29/14 17:01	5
Chlorobenzene	<5.0		5.0		ug/L			07/29/14 17:01	5
Chlorodibromomethane	<5.0		5.0		ug/L			07/29/14 17:01	5
Chloroethane	<25		25		ug/L			07/29/14 17:01	5
Chloroform	**14**		5.0		ug/L			07/29/14 17:01	5
Chloromethane	<5.0		5.0		ug/L			07/29/14 17:01	5
cis-1,2-Dichloroethene	**41**		5.0		ug/L			07/29/14 17:01	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			07/29/14 17:01	5
Dichlorobromomethane	<5.0		5.0		ug/L			07/29/14 17:01	5
Ethylbenzene	<5.0		5.0		ug/L			07/29/14 17:01	5
Methylene Chloride	<25		25		ug/L			07/29/14 17:01	5
Styrene	<5.0		5.0		ug/L			07/29/14 17:01	5
Tetrachloroethene	**480**		5.0		ug/L			07/29/14 17:01	5
Toluene	<5.0		5.0		ug/L			07/29/14 17:01	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			07/29/14 17:01	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			07/29/14 17:01	5
Trichloroethene	**82**		5.0		ug/L			07/29/14 17:01	5

Client Sample ID: MW-10A

Lab Sample ID: 680-103647-9

Date Collected: 07/23/14 11:35

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<5.0		5.0		ug/L			07/29/14 17:01	5
Xylenes, Total	<10		10		ug/L			07/29/14 17:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/29/14 17:01*	*5*
Dibromofluoromethane	*111*		*70 - 130*		*07/29/14 17:01*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/29/14 17:01*	*5*

Client Sample ID: MW-10B

Lab Sample ID: 680-103647-10

Date Collected: 07/23/14 12:13

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 17:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 17:23	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 17:23	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 17:23	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 17:23	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 17:23	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 17:23	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 17:23	1
2-Hexanone	<10		10		ug/L			07/29/14 17:23	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 17:23	1
Acetone	<25		25		ug/L			07/29/14 17:23	1
Benzene	<1.0		1.0		ug/L			07/29/14 17:23	1
Bromoform	<1.0		1.0		ug/L			07/29/14 17:23	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 17:23	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 17:23	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 17:23	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 17:23	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 17:23	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 17:23	1
Chloroform	<1.0		1.0		ug/L			07/29/14 17:23	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 17:23	1
cis-1,2-Dichloroethene	**1.7**		1.0		ug/L			07/29/14 17:23	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 17:23	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 17:23	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 17:23	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 17:23	1
Styrene	<1.0		1.0		ug/L			07/29/14 17:23	1
Tetrachloroethene	**76**		1.0		ug/L			07/29/14 17:23	1
Toluene	<1.0		1.0		ug/L			07/29/14 17:23	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 17:23	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 17:23	1
Trichloroethene	**1.8**		1.0		ug/L			07/29/14 17:23	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 17:23	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 17:23	1

Client Sample ID: MW-10B

Lab Sample ID: 680-103647-10

Date Collected: 07/23/14 12:13

Matrix: Water

Date Received: 07/25/14 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*95*		*70 - 130*		*07/29/14 17:23*	*1*
Dibromofluoromethane	*117*		*70 - 130*		*07/29/14 17:23*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/14 17:23*	*1*

Client Sample ID: MW-10C

Lab Sample ID: 680-103647-11

Date Collected: 07/23/14 13:00

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 17:44	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 17:44	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 17:44	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 17:44	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 17:44	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 17:44	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 17:44	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 17:44	1
2-Hexanone	<10		10		ug/L			07/29/14 17:44	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 17:44	1
Acetone	<25		25		ug/L			07/29/14 17:44	1
Benzene	<1.0		1.0		ug/L			07/29/14 17:44	1
Bromoform	<1.0		1.0		ug/L			07/29/14 17:44	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 17:44	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 17:44	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 17:44	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 17:44	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 17:44	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 17:44	1
Chloroform	<1.0		1.0		ug/L			07/29/14 17:44	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 17:44	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 17:44	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 17:44	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 17:44	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 17:44	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 17:44	1
Styrene	<1.0		1.0		ug/L			07/29/14 17:44	1
Tetrachloroethene	**3.2**		1.0		ug/L			07/29/14 17:44	1
Toluene	<1.0		1.0		ug/L			07/29/14 17:44	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 17:44	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 17:44	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 17:44	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 17:44	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*95*		*70 - 130*		*07/29/14 17:44*	*1*
Dibromofluoromethane	*116*		*70 - 130*		*07/29/14 17:44*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/29/14 17:44*	*1*

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Client Sample ID: MW-11A

Lab Sample ID: 680-103647-12

Date Collected: 07/22/14 15:45

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			07/30/14 12:45	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			07/30/14 12:45	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			07/30/14 12:45	5
1,1-Dichloroethane	<5.0		5.0		ug/L			07/30/14 12:45	5
1,1-Dichloroethene	<5.0		5.0		ug/L			07/30/14 12:45	5
1,2-Dichloroethane	<5.0		5.0		ug/L			07/30/14 12:45	5
1,2-Dichloropropane	<5.0		5.0		ug/L			07/30/14 12:45	5
2-Butanone (MEK)	<50		50		ug/L			07/30/14 12:45	5
2-Hexanone	<50		50		ug/L			07/30/14 12:45	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			07/30/14 12:45	5
Acetone	<130		130		ug/L			07/30/14 12:45	5
Benzene	<5.0		5.0		ug/L			07/30/14 12:45	5
Bromoform	<5.0		5.0		ug/L			07/30/14 12:45	5
Bromomethane	<25		25		ug/L			07/30/14 12:45	5
Carbon disulfide	<10		10		ug/L			07/30/14 12:45	5
Carbon tetrachloride	<5.0		5.0		ug/L			07/30/14 12:45	5
Chlorobenzene	<5.0		5.0		ug/L			07/30/14 12:45	5
Chlorodibromomethane	<5.0		5.0		ug/L			07/30/14 12:45	5
Chloroethane	<25		25		ug/L			07/30/14 12:45	5
Chloroform	<5.0		5.0		ug/L			07/30/14 12:45	5
Chloromethane	<5.0		5.0		ug/L			07/30/14 12:45	5
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			07/30/14 12:45	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			07/30/14 12:45	5
Dichlorobromomethane	<5.0		5.0		ug/L			07/30/14 12:45	5
Ethylbenzene	<5.0		5.0		ug/L			07/30/14 12:45	5
Methylene Chloride	<25		25		ug/L			07/30/14 12:45	5
Styrene	<5.0		5.0		ug/L			07/30/14 12:45	5
Tetrachloroethene	<5.0		5.0		ug/L			07/30/14 12:45	5
Toluene	<5.0		5.0		ug/L			07/30/14 12:45	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			07/30/14 12:45	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			07/30/14 12:45	5
Trichloroethene	<5.0		5.0		ug/L			07/30/14 12:45	5
Vinyl chloride	<5.0		5.0		ug/L			07/30/14 12:45	5
Xylenes, Total	<10		10		ug/L			07/30/14 12:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*07/30/14 12:45*	*5*
Dibromofluoromethane	*109*		*70 - 130*		*07/30/14 12:45*	*5*
Toluene-d8 (Surr)	*103*		*70 - 130*		*07/30/14 12:45*	*5*

Client Sample ID: MW-11B

Lab Sample ID: 680-103647-13

Date Collected: 07/22/14 12:13

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/14 13:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/14 13:07	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/14 13:07	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/14 13:07	1

Client Sample ID: MW-11B

Lab Sample ID: 680-103647-13

Date Collected: 07/22/14 12:13

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/14 13:07	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/14 13:07	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/14 13:07	1
2-Butanone (MEK)	<10		10		ug/L			07/30/14 13:07	1
2-Hexanone	<10		10		ug/L			07/30/14 13:07	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/14 13:07	1
Acetone	<25		25		ug/L			07/30/14 13:07	1
Benzene	<1.0		1.0		ug/L			07/30/14 13:07	1
Bromoform	<1.0		1.0		ug/L			07/30/14 13:07	1
Bromomethane	<5.0		5.0		ug/L			07/30/14 13:07	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/14 13:07	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/14 13:07	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/14 13:07	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/14 13:07	1
Chloroethane	<5.0		5.0		ug/L			07/30/14 13:07	1
Chloroform	<1.0		1.0		ug/L			07/30/14 13:07	1
Chloromethane	<1.0		1.0		ug/L			07/30/14 13:07	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/14 13:07	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/14 13:07	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/14 13:07	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/14 13:07	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/14 13:07	1
Styrene	<1.0		1.0		ug/L			07/30/14 13:07	1
Tetrachloroethene	**19**		1.0		ug/L			07/30/14 13:07	1
Toluene	<1.0		1.0		ug/L			07/30/14 13:07	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/14 13:07	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/14 13:07	1
Trichloroethene	**1.8**		1.0		ug/L			07/30/14 13:07	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/14 13:07	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/14 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*07/30/14 13:07*	*1*
Dibromofluoromethane	*116*		*70 - 130*		*07/30/14 13:07*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/30/14 13:07*	*1*

Client Sample ID: MW-11C

Lab Sample ID: 680-103647-14

Date Collected: 07/22/14 15:05

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 18:49	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 18:49	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 18:49	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 18:49	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 18:49	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 18:49	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 18:49	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 18:49	1

Client Sample ID: MW-11C

Lab Sample ID: 680-103647-14

Date Collected: 07/22/14 15:05

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<10		10		ug/L			07/29/14 18:49	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 18:49	1
Acetone	<25		25		ug/L			07/29/14 18:49	1
Benzene	<1.0		1.0		ug/L			07/29/14 18:49	1
Bromoform	<1.0		1.0		ug/L			07/29/14 18:49	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 18:49	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 18:49	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 18:49	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 18:49	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 18:49	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 18:49	1
Chloroform	<1.0		1.0		ug/L			07/29/14 18:49	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 18:49	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 18:49	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 18:49	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 18:49	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 18:49	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 18:49	1
Styrene	<1.0		1.0		ug/L			07/29/14 18:49	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 18:49	1
Toluene	<1.0		1.0		ug/L			07/29/14 18:49	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 18:49	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 18:49	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 18:49	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 18:49	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*07/29/14 18:49*	*1*
Dibromofluoromethane	*116*		*70 - 130*		*07/29/14 18:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/14 18:49*	*1*

Client Sample ID: DUP-1

Lab Sample ID: 680-103647-15

Date Collected: 07/23/14 00:00

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 19:10	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 19:10	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 19:10	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 19:10	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 19:10	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 19:10	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 19:10	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 19:10	1
2-Hexanone	<10		10		ug/L			07/29/14 19:10	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 19:10	1
Acetone	<25		25		ug/L			07/29/14 19:10	1
Benzene	<1.0		1.0		ug/L			07/29/14 19:10	1

Client Sample ID: DUP-1

Lab Sample ID: 680-103647-15

Date Collected: 07/23/14 00:00

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<1.0		1.0		ug/L			07/29/14 19:10	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 19:10	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 19:10	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 19:10	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 19:10	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 19:10	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 19:10	1
Chloroform	<1.0		1.0		ug/L			07/29/14 19:10	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 19:10	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 19:10	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 19:10	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 19:10	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 19:10	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 19:10	1
Styrene	<1.0		1.0		ug/L			07/29/14 19:10	1
Tetrachloroethene	**150**		1.0		ug/L			07/29/14 19:10	1
Toluene	<1.0		1.0		ug/L			07/29/14 19:10	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 19:10	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 19:10	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 19:10	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 19:10	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*07/29/14 19:10*	*1*
Dibromofluoromethane	*118*		*70 - 130*		*07/29/14 19:10*	*1*
Toluene-d8 (Surr)	*88*		*70 - 130*		*07/29/14 19:10*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 680-103647-16

Date Collected: 07/22/14 09:00

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 14:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 14:19	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 14:19	1
2-Hexanone	<10		10		ug/L			07/29/14 14:19	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 14:19	1
Acetone	<25		25		ug/L			07/29/14 14:19	1
Benzene	<1.0		1.0		ug/L			07/29/14 14:19	1
Bromoform	<1.0		1.0		ug/L			07/29/14 14:19	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 14:19	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 14:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 14:19	1

Client Sample ID: Trip Blank

Lab Sample ID: 680-103647-16

Date Collected: 07/22/14 09:00

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 14:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 14:19	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 14:19	1
Chloroform	<1.0		1.0		ug/L			07/29/14 14:19	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 14:19	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:19	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:19	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 14:19	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 14:19	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 14:19	1
Styrene	<1.0		1.0		ug/L			07/29/14 14:19	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 14:19	1
Toluene	<1.0		1.0		ug/L			07/29/14 14:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:19	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:19	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 14:19	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 14:19	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*07/29/14 14:19*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*07/29/14 14:19*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/29/14 14:19*	*1*

Client Sample ID: Equipment Blank

Lab Sample ID: 680-103647-17

Date Collected: 07/22/14 09:30

Matrix: Water

Date Received: 07/25/14 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:43	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 14:43	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 14:43	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:43	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:43	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 14:43	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 14:43	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 14:43	1
2-Hexanone	<10		10		ug/L			07/29/14 14:43	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 14:43	1
Acetone	<25		25		ug/L			07/29/14 14:43	1
Benzene	<1.0		1.0		ug/L			07/29/14 14:43	1
Bromoform	<1.0		1.0		ug/L			07/29/14 14:43	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 14:43	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 14:43	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 14:43	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 14:43	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 14:43	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 14:43	1
Chloroform	<1.0		1.0		ug/L			07/29/14 14:43	1

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Client Sample ID: Equipment Blank
Date Collected: 07/22/14 09:30
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			07/29/14 14:43	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:43	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:43	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 14:43	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 14:43	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 14:43	1
Styrene	<1.0		1.0		ug/L			07/29/14 14:43	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 14:43	1
Toluene	<1.0		1.0		ug/L			07/29/14 14:43	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 14:43	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 14:43	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 14:43	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 14:43	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*07/29/14 14:43*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/29/14 14:43*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*07/29/14 14:43*	*1*

Surrogate Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
680-103647-1	MW-3A	93	118	101
680-103647-2	MW-3B	94	118	100
680-103647-3	MW-8A	98	111	100
680-103647-4	MW-8B	99	107	103
680-103647-5	MW-8C	95	118	101
680-103647-6	MW-9A	98	110	102
680-103647-7	MW-9B	94	117	100
680-103647-8	MW-9C	94	118	100
680-103647-9	MW-10A	101	111	102
680-103647-10	MW-10B	95	117	100
680-103647-11	MW-10C	95	116	101
680-103647-12	MW-11A	99	109	103
680-103647-13	MW-11B	95	116	100
680-103647-14	MW-11C	94	116	100
680-103647-15	DUP-1	94	118	88
680-103647-16	Trip Blank	99	105	99
680-103647-17	Equipment Blank	99	104	103
LCS 680-341298/3	Lab Control Sample	103	107	106
LCS 680-341299/4	Lab Control Sample	102	103	100
LCS 680-341498/4	Lab Control Sample	102	111	103
LCSD 680-341298/4	Lab Control Sample Dup	100	106	102
LCSD 680-341299/5	Lab Control Sample Dup	98	102	99
LCSD 680-341498/5	Lab Control Sample Dup	107	112	105
MB 680-341298/8	Method Blank	97	115	102
MB 680-341299/8	Method Blank	98	103	104
MB 680-341498/9	Method Blank	96	119	100

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 680-341298/8
Matrix: Water
Analysis Batch: 341298

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-Trichloroethane	<1.0		1.0		ug/L			07/29/14 12:22	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 12:22	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 12:22	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 12:22	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 12:22	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 12:22	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 12:22	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 12:22	1
2-Hexanone	<10		10		ug/L			07/29/14 12:22	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 12:22	1
Acetone	<25		25		ug/L			07/29/14 12:22	1
Benzene	<1.0		1.0		ug/L			07/29/14 12:22	1
Bromoform	<1.0		1.0		ug/L			07/29/14 12:22	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 12:22	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 12:22	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 12:22	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 12:22	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 12:22	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 12:22	1
Chloroform	<1.0		1.0		ug/L			07/29/14 12:22	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 12:22	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 12:22	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 12:22	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 12:22	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 12:22	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 12:22	1
Styrene	<1.0		1.0		ug/L			07/29/14 12:22	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 12:22	1
Toluene	<1.0		1.0		ug/L			07/29/14 12:22	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 12:22	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 12:22	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 12:22	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 12:22	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 12:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*07/29/14 12:22*	*1*
Dibromofluoromethane	*115*		*70 - 130*		*07/29/14 12:22*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/29/14 12:22*	*1*

Lab Sample ID: LCS 680-341298/3
Matrix: Water
Analysis Batch: 341298

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-Trichloroethane	50.0	49.9		ug/L		100	76 - 126
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	71 - 127
1,1,2-Trichloroethane	50.0	51.4		ug/L		103	69 - 127

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

Lab Sample ID: LCS 680-341298/3
Matrix: Water
Analysis Batch: 341298

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	54.0		ug/L		108	69 - 132
1,1-Dichloroethene	50.0	52.8		ug/L		106	73 - 134
1,2-Dichloroethane	50.0	53.0		ug/L		106	75 - 120
1,2-Dichloropropane	50.0	53.6		ug/L		107	71 - 126
2-Butanone (MEK)	100	103		ug/L		103	55 - 142
2-Hexanone	100	102		ug/L		102	52 - 149
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	51 - 143
Acetone	100	118		ug/L		118	39 - 162
Benzene	50.0	51.7		ug/L		103	74 - 123
Bromoform	50.0	51.5		ug/L		103	60 - 134
Bromomethane	50.0	43.9		ug/L		88	10 - 171
Carbon disulfide	50.0	50.4		ug/L		101	63 - 142
Carbon tetrachloride	50.0	48.3		ug/L		97	70 - 131
Chlorobenzene	50.0	51.7		ug/L		103	79 - 120
Chlorodibromomethane	50.0	51.1		ug/L		102	63 - 134
Chloroethane	50.0	57.5		ug/L		115	47 - 148
Chloroform	50.0	51.4		ug/L		103	76 - 128
Chloromethane	50.0	48.9		ug/L		98	47 - 151
cis-1,2-Dichloroethene	50.0	48.2		ug/L		96	78 - 127
cis-1,3-Dichloropropene	50.0	52.7		ug/L		105	73 - 128
Dichlorobromomethane	50.0	52.2		ug/L		104	72 - 129
Ethylbenzene	50.0	50.0		ug/L		100	78 - 125
Methylene Chloride	50.0	51.2		ug/L		102	79 - 124
Styrene	50.0	53.4		ug/L		107	75 - 129
Tetrachloroethene	50.0	49.6		ug/L		99	77 - 128
Toluene	50.0	51.1		ug/L		102	77 - 125
trans-1,2-Dichloroethene	50.0	51.1		ug/L		102	78 - 130
trans-1,3-Dichloropropene	50.0	52.7		ug/L		105	72 - 127
Trichloroethene	50.0	52.0		ug/L		104	80 - 120
Vinyl chloride	50.0	52.9		ug/L		106	58 - 141
Xylenes, Total	150	154		ug/L		102	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 680-341298/4
Matrix: Water
Analysis Batch: 341298

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-Trichloroethane	50.0	49.9		ug/L		100	76 - 126	0	30
1,1,2,2-Tetrachloroethane	50.0	47.4		ug/L		95	71 - 127	9	30
1,1,2-Trichloroethane	50.0	48.3		ug/L		97	69 - 127	6	30
1,1-Dichloroethane	50.0	53.4		ug/L		107	69 - 132	1	30
1,1-Dichloroethene	50.0	54.7		ug/L		109	73 - 134	4	30
1,2-Dichloroethane	50.0	49.6		ug/L		99	75 - 120	7	30

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

Lab Sample ID: LCSD 680-341298/4
Matrix: Water
Analysis Batch: 341298

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
1,2-Dichloropropane			50.0	51.4		ug/L		103	71 - 126	4	30
2-Butanone (MEK)			100	95.4		ug/L		95	55 - 142	8	30
2-Hexanone			100	92.5		ug/L		92	52 - 149	10	30
4-Methyl-2-pentanone (MIBK)			100	92.9		ug/L		93	51 - 143	11	30
Acetone			100	107		ug/L		107	39 - 162	10	50
Benzene			50.0	50.1		ug/L		100	74 - 123	3	30
Bromoform			50.0	47.7		ug/L		95	60 - 134	8	30
Bromomethane			50.0	39.4		ug/L		79	10 - 171	11	50
Carbon disulfide			50.0	51.8		ug/L		104	63 - 142	3	30
Carbon tetrachloride			50.0	49.2		ug/L		98	70 - 131	2	30
Chlorobenzene			50.0	50.0		ug/L		100	79 - 120	3	30
Chlorodibromomethane			50.0	48.7		ug/L		97	63 - 134	5	50
Chloroethane			50.0	57.9		ug/L		116	47 - 148	1	40
Chloroform			50.0	51.0		ug/L		102	76 - 128	1	30
Chloromethane			50.0	47.7		ug/L		95	47 - 151	3	30
cis-1,2-Dichloroethene			50.0	47.8		ug/L		96	78 - 127	1	30
cis-1,3-Dichloropropene			50.0	50.0		ug/L		100	73 - 128	5	30
Dichlorobromomethane			50.0	49.4		ug/L		99	72 - 129	6	30
Ethylbenzene			50.0	49.6		ug/L		99	78 - 125	1	30
Methylene Chloride			50.0	49.9		ug/L		100	79 - 124	2	30
Styrene			50.0	51.4		ug/L		103	75 - 129	4	30
Tetrachloroethene			50.0	51.2		ug/L		102	77 - 128	3	30
Toluene			50.0	49.0		ug/L		98	77 - 125	4	30
trans-1,2-Dichloroethene			50.0	51.9		ug/L		104	78 - 130	1	30
trans-1,3-Dichloropropene			50.0	49.5		ug/L		99	72 - 127	6	50
Trichloroethene			50.0	50.7		ug/L		101	80 - 120	3	30
Vinyl chloride			50.0	54.6		ug/L		109	58 - 141	3	30
Xylenes, Total			150	151		ug/L		101	80 - 124	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 680-341299/8
Matrix: Water
Analysis Batch: 341299

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-Trichloroethane	<1.0		1.0		ug/L			07/29/14 13:08	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/14 13:08	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/14 13:08	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/14 13:08	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/14 13:08	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/14 13:08	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/14 13:08	1
2-Butanone (MEK)	<10		10		ug/L			07/29/14 13:08	1
2-Hexanone	<10		10		ug/L			07/29/14 13:08	1

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

Lab Sample ID: MB 680-341299/8
Matrix: Water
Analysis Batch: 341299

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/14 13:08	1
Acetone	<25		25		ug/L			07/29/14 13:08	1
Benzene	<1.0		1.0		ug/L			07/29/14 13:08	1
Bromoform	<1.0		1.0		ug/L			07/29/14 13:08	1
Bromomethane	<5.0		5.0		ug/L			07/29/14 13:08	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/14 13:08	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/14 13:08	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/14 13:08	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/14 13:08	1
Chloroethane	<5.0		5.0		ug/L			07/29/14 13:08	1
Chloroform	<1.0		1.0		ug/L			07/29/14 13:08	1
Chloromethane	<1.0		1.0		ug/L			07/29/14 13:08	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 13:08	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 13:08	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/14 13:08	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/14 13:08	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/14 13:08	1
Styrene	<1.0		1.0		ug/L			07/29/14 13:08	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/14 13:08	1
Toluene	<1.0		1.0		ug/L			07/29/14 13:08	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/14 13:08	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/14 13:08	1
Trichloroethene	<1.0		1.0		ug/L			07/29/14 13:08	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/14 13:08	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/14 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*07/29/14 13:08*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/29/14 13:08*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/29/14 13:08*	*1*

Lab Sample ID: LCS 680-341299/4
Matrix: Water
Analysis Batch: 341299

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-Trichloroethane	50.0	53.4		ug/L		107	76 - 126
1,1,2,2-Tetrachloroethane	50.0	48.5		ug/L		97	71 - 127
1,1,2-Trichloroethane	50.0	48.2		ug/L		96	69 - 127
1,1-Dichloroethane	50.0	52.4		ug/L		105	69 - 132
1,1-Dichloroethene	50.0	52.0		ug/L		104	73 - 134
1,2-Dichloroethane	50.0	48.4		ug/L		97	75 - 120
1,2-Dichloropropane	50.0	50.6		ug/L		101	71 - 126
2-Butanone (MEK)	100	84.5		ug/L		85	55 - 142
2-Hexanone	100	94.8		ug/L		95	52 - 149
4-Methyl-2-pentanone (MIBK)	100	93.8		ug/L		94	51 - 143
Acetone	100	92.6		ug/L		93	39 - 162
Benzene	50.0	49.6		ug/L		99	74 - 123

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

Lab Sample ID: LCS 680-341299/4
Matrix: Water
Analysis Batch: 341299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	48.3		ug/L		97	60 - 134
Bromomethane	50.0	45.5		ug/L		91	10 - 171
Carbon disulfide	50.0	54.2		ug/L		108	63 - 142
Carbon tetrachloride	50.0	53.7		ug/L		107	70 - 131
Chlorobenzene	50.0	51.0		ug/L		102	79 - 120
Chlorodibromomethane	50.0	48.6		ug/L		97	63 - 134
Chloroethane	50.0	39.5		ug/L		79	47 - 148
Chloroform	50.0	50.4		ug/L		101	76 - 128
Chloromethane	50.0	59.9		ug/L		120	47 - 151
cis-1,2-Dichloroethene	50.0	46.3		ug/L		93	78 - 127
cis-1,3-Dichloropropene	50.0	56.3		ug/L		113	73 - 128
Dichlorobromomethane	50.0	55.3		ug/L		111	72 - 129
Ethylbenzene	50.0	52.4		ug/L		105	78 - 125
Methylene Chloride	50.0	47.9		ug/L		96	79 - 124
Styrene	50.0	52.4		ug/L		105	75 - 129
Tetrachloroethene	50.0	49.8		ug/L		100	77 - 128
Toluene	50.0	48.2		ug/L		96	77 - 125
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	78 - 130
trans-1,3-Dichloropropene	50.0	57.6		ug/L		115	72 - 127
Trichloroethene	50.0	51.2		ug/L		102	80 - 120
Vinyl chloride	50.0	57.1		ug/L		114	58 - 141
Xylenes, Total	150	156		ug/L		104	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 680-341299/5
Matrix: Water
Analysis Batch: 341299

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-Trichloroethane	50.0	52.5		ug/L		105	76 - 126	2	30
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/L		95	71 - 127	2	30
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	69 - 127	1	30
1,1-Dichloroethane	50.0	51.8		ug/L		104	69 - 132	1	30
1,1-Dichloroethene	50.0	50.4		ug/L		101	73 - 134	3	30
1,2-Dichloroethane	50.0	49.8		ug/L		100	75 - 120	3	30
1,2-Dichloropropane	50.0	51.0		ug/L		102	71 - 126	1	30
2-Butanone (MEK)	100	81.8		ug/L		82	55 - 142	3	30
2-Hexanone	100	93.3		ug/L		93	52 - 149	2	30
4-Methyl-2-pentanone (MIBK)	100	93.2		ug/L		93	51 - 143	1	30
Acetone	100	93.1		ug/L		93	39 - 162	1	50
Benzene	50.0	48.4		ug/L		97	74 - 123	2	30
Bromoform	50.0	45.9		ug/L		92	60 - 134	5	30
Bromomethane	50.0	48.8		ug/L		98	10 - 171	7	50
Carbon disulfide	50.0	53.6		ug/L		107	63 - 142	1	30

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

Lab Sample ID: LCSD 680-341299/5
Matrix: Water
Analysis Batch: 341299

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
Carbon tetrachloride			50.0	54.2		ug/L		108	70 - 131	1	30
Chlorobenzene			50.0	49.7		ug/L		99	79 - 120	3	30
Chlorodibromomethane			50.0	46.9		ug/L		94	63 - 134	3	50
Chloroethane			50.0	39.0		ug/L		78	47 - 148	1	40
Chloroform			50.0	49.0		ug/L		98	76 - 128	3	30
Chloromethane			50.0	59.6		ug/L		119	47 - 151	0	30
cis-1,2-Dichloroethene			50.0	45.9		ug/L		92	78 - 127	1	30
cis-1,3-Dichloropropene			50.0	56.9		ug/L		114	73 - 128	1	30
Dichlorobromomethane			50.0	55.4		ug/L		111	72 - 129	0	30
Ethylbenzene			50.0	50.9		ug/L		102	78 - 125	3	30
Methylene Chloride			50.0	48.1		ug/L		96	79 - 124	1	30
Styrene			50.0	51.1		ug/L		102	75 - 129	2	30
Tetrachloroethene			50.0	48.4		ug/L		97	77 - 128	3	30
Toluene			50.0	47.4		ug/L		95	77 - 125	2	30
trans-1,2-Dichloroethene			50.0	49.7		ug/L		99	78 - 130	1	30
trans-1,3-Dichloropropene			50.0	57.3		ug/L		115	72 - 127	1	50
Trichloroethene			50.0	50.9		ug/L		102	80 - 120	1	30
Vinyl chloride			50.0	55.6		ug/L		111	58 - 141	3	30
Xylenes, Total			150	153		ug/L		102	80 - 124	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 680-341498/9
Matrix: Water
Analysis Batch: 341498

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-Trichloroethane	<1.0		1.0		ug/L			07/30/14 11:41	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/14 11:41	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/14 11:41	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/14 11:41	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/14 11:41	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/14 11:41	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/14 11:41	1
2-Butanone (MEK)	<10		10		ug/L			07/30/14 11:41	1
2-Hexanone	<10		10		ug/L			07/30/14 11:41	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/14 11:41	1
Acetone	<25		25		ug/L			07/30/14 11:41	1
Benzene	<1.0		1.0		ug/L			07/30/14 11:41	1
Bromoform	<1.0		1.0		ug/L			07/30/14 11:41	1
Bromomethane	<5.0		5.0		ug/L			07/30/14 11:41	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/14 11:41	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/14 11:41	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/14 11:41	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/14 11:41	1

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

Lab Sample ID: MB 680-341498/9
Matrix: Water
Analysis Batch: 341498

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	<5.0		5.0		ug/L			07/30/14 11:41	1
Chloroform	<1.0		1.0		ug/L			07/30/14 11:41	1
Chloromethane	<1.0		1.0		ug/L			07/30/14 11:41	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/14 11:41	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/14 11:41	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/14 11:41	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/14 11:41	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/14 11:41	1
Styrene	<1.0		1.0		ug/L			07/30/14 11:41	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/14 11:41	1
Toluene	<1.0		1.0		ug/L			07/30/14 11:41	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/14 11:41	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/14 11:41	1
Trichloroethene	<1.0		1.0		ug/L			07/30/14 11:41	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/14 11:41	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/14 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*07/30/14 11:41*	*1*
Dibromofluoromethane	*119*		*70 - 130*		*07/30/14 11:41*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/30/14 11:41*	*1*

Lab Sample ID: LCS 680-341498/4
Matrix: Water
Analysis Batch: 341498

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-Trichloroethane	50.0	47.8		ug/L		96	76 - 126
1,1,2,2-Tetrachloroethane	50.0	45.8		ug/L		92	71 - 127
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	69 - 127
1,1-Dichloroethane	50.0	51.1		ug/L		102	69 - 132
1,1-Dichloroethene	50.0	51.1		ug/L		102	73 - 134
1,2-Dichloroethane	50.0	50.6		ug/L		101	75 - 120
1,2-Dichloropropane	50.0	51.3		ug/L		103	71 - 126
2-Butanone (MEK)	100	82.3		ug/L		82	55 - 142
2-Hexanone	100	77.1		ug/L		77	52 - 149
4-Methyl-2-pentanone (MIBK)	100	80.4		ug/L		80	51 - 143
Acetone	100	96.7		ug/L		97	39 - 162
Benzene	50.0	50.3		ug/L		101	74 - 123
Bromoform	50.0	46.7		ug/L		93	60 - 134
Bromomethane	50.0	35.0		ug/L		70	10 - 171
Carbon disulfide	50.0	51.3		ug/L		103	63 - 142
Carbon tetrachloride	50.0	47.5		ug/L		95	70 - 131
Chlorobenzene	50.0	50.7		ug/L		101	79 - 120
Chlorodibromomethane	50.0	49.3		ug/L		99	63 - 134
Chloroethane	50.0	57.5		ug/L		115	47 - 148
Chloroform	50.0	51.7		ug/L		103	76 - 128
Chloromethane	50.0	38.7		ug/L		77	47 - 151

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

Lab Sample ID: LCS 680-341498/4
Matrix: Water
Analysis Batch: 341498

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	78 - 127
cis-1,3-Dichloropropene	50.0	50.7		ug/L		101	73 - 128
Dichlorobromomethane	50.0	50.0		ug/L		100	72 - 129
Ethylbenzene	50.0	49.3		ug/L		99	78 - 125
Methylene Chloride	50.0	50.2		ug/L		100	79 - 124
Styrene	50.0	51.5		ug/L		103	75 - 129
Tetrachloroethene	50.0	49.7		ug/L		99	77 - 128
Toluene	50.0	49.8		ug/L		100	77 - 125
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	78 - 130
trans-1,3-Dichloropropene	50.0	49.3		ug/L		99	72 - 127
Trichloroethene	50.0	51.1		ug/L		102	80 - 120
Vinyl chloride	50.0	51.8		ug/L		104	58 - 141
Xylenes, Total	150	152		ug/L		101	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*111*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 680-341498/5
Matrix: Water
Analysis Batch: 341498

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-Trichloroethane	50.0	49.1		ug/L		98	76 - 126	3	30
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/L		102	71 - 127	11	30
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	69 - 127	5	30
1,1-Dichloroethane	50.0	51.1		ug/L		102	69 - 132	0	30
1,1-Dichloroethene	50.0	50.2		ug/L		100	73 - 134	2	30
1,2-Dichloroethane	50.0	53.7		ug/L		107	75 - 120	6	30
1,2-Dichloropropane	50.0	52.8		ug/L		106	71 - 126	3	30
2-Butanone (MEK)	100	91.0		ug/L		91	55 - 142	10	30
2-Hexanone	100	88.1		ug/L		88	52 - 149	13	30
4-Methyl-2-pentanone (MIBK)	100	91.2		ug/L		91	51 - 143	13	30
Acetone	100	110		ug/L		110	39 - 162	13	50
Benzene	50.0	51.8		ug/L		104	74 - 123	3	30
Bromoform	50.0	51.0		ug/L		102	60 - 134	9	30
Bromomethane	50.0	36.3		ug/L		73	10 - 171	4	50
Carbon disulfide	50.0	50.4		ug/L		101	63 - 142	2	30
Carbon tetrachloride	50.0	47.1		ug/L		94	70 - 131	1	30
Chlorobenzene	50.0	52.5		ug/L		105	79 - 120	3	30
Chlorodibromomethane	50.0	52.7		ug/L		105	63 - 134	7	50
Chloroethane	50.0	56.8		ug/L		114	47 - 148	1	40
Chloroform	50.0	51.8		ug/L		104	76 - 128	0	30
Chloromethane	50.0	39.0		ug/L		78	47 - 151	1	30
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	78 - 127	0	30
cis-1,3-Dichloropropene	50.0	52.8		ug/L		106	73 - 128	4	30
Dichlorobromomethane	50.0	51.2		ug/L		102	72 - 129	2	30

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

Lab Sample ID: LCSD 680-341498/5
Matrix: Water
Analysis Batch: 341498

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
Ethylbenzene			50.0	50.6		ug/L		101	78 - 125	3	30
Methylene Chloride			50.0	50.9		ug/L		102	79 - 124	1	30
Styrene			50.0	54.1		ug/L		108	75 - 129	5	30
Tetrachloroethene			50.0	50.9		ug/L		102	77 - 128	2	30
Toluene			50.0	51.2		ug/L		102	77 - 125	3	30
trans-1,2-Dichloroethene			50.0	51.2		ug/L		102	78 - 130	1	30
trans-1,3-Dichloropropene			50.0	52.3		ug/L		105	72 - 127	6	50
Trichloroethene			50.0	51.9		ug/L		104	80 - 120	2	30
Vinyl chloride			50.0	50.4		ug/L		101	58 - 141	3	30
Xylenes, Total			150	157		ug/L		105	80 - 124	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*70 - 130*
Dibromofluoromethane	*112*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

GC/MS VOA

Analysis Batch: 341298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-103647-1	MW-3A	Total/NA	Water	8260B	
680-103647-2	MW-3B	Total/NA	Water	8260B	
680-103647-3	MW-8A	Total/NA	Water	8260B	
680-103647-4	MW-8B	Total/NA	Water	8260B	
680-103647-5	MW-8C	Total/NA	Water	8260B	
680-103647-7	MW-9B	Total/NA	Water	8260B	
680-103647-8	MW-9C	Total/NA	Water	8260B	
680-103647-9	MW-10A	Total/NA	Water	8260B	
680-103647-10	MW-10B	Total/NA	Water	8260B	
680-103647-11	MW-10C	Total/NA	Water	8260B	
680-103647-14	MW-11C	Total/NA	Water	8260B	
680-103647-15	DUP-1	Total/NA	Water	8260B	
LCS 680-341298/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-341298/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-341298/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 341299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-103647-16	Trip Blank	Total/NA	Water	8260B	
680-103647-17	Equipment Blank	Total/NA	Water	8260B	
LCS 680-341299/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-341299/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-341299/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 341498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-103647-6	MW-9A	Total/NA	Water	8260B	
680-103647-12	MW-11A	Total/NA	Water	8260B	
680-103647-13	MW-11B	Total/NA	Water	8260B	
LCS 680-341498/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-341498/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-341498/9	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Client Sample ID: MW-3A
Date Collected: 07/22/14 12:58
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 14:09	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-3B
Date Collected: 07/22/14 13:37
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 14:31	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-8A
Date Collected: 07/23/14 16:10
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	341298	07/29/14 14:52	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-8B
Date Collected: 07/23/14 15:25
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	341298	07/29/14 15:13	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-8C
Date Collected: 07/23/14 17:35
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 15:35	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-9A
Date Collected: 07/23/14 14:35
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	341498	07/30/14 12:24	TF1	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-9B

Lab Sample ID: 680-103647-7

Date Collected: 07/23/14 15:12

Matrix: Water

Date Received: 07/25/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 16:18	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-9C

Lab Sample ID: 680-103647-8

Date Collected: 07/23/14 13:50

Matrix: Water

Date Received: 07/25/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 16:39	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-10A

Lab Sample ID: 680-103647-9

Date Collected: 07/23/14 11:35

Matrix: Water

Date Received: 07/25/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	341298	07/29/14 17:01	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-10B

Lab Sample ID: 680-103647-10

Date Collected: 07/23/14 12:13

Matrix: Water

Date Received: 07/25/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 17:23	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-10C

Lab Sample ID: 680-103647-11

Date Collected: 07/23/14 13:00

Matrix: Water

Date Received: 07/25/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 17:44	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-11A

Lab Sample ID: 680-103647-12

Date Collected: 07/22/14 15:45

Matrix: Water

Date Received: 07/25/14 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	341498	07/30/14 12:45	TF1	TAL SAV
	Instrument ID: CMSC									

Lab Chronicle

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Client Sample ID: MW-11B
Date Collected: 07/22/14 12:13
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341498	07/30/14 13:07	TF1	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: MW-11C
Date Collected: 07/22/14 15:05
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 18:49	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: DUP-1
Date Collected: 07/23/14 00:00
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341298	07/29/14 19:10	MMT	TAL SAV
	Instrument ID: CMSC									

Client Sample ID: Trip Blank
Date Collected: 07/22/14 09:00
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341299	07/29/14 14:19	TF1	TAL SAV
	Instrument ID: CMSAC									

Client Sample ID: Equipment Blank
Date Collected: 07/22/14 09:30
Date Received: 07/25/14 09:30

Lab Sample ID: 680-103647-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	341299	07/29/14 14:43	TF1	TAL SAV
	Instrument ID: CMSAC									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

vannah
2 LaRoche Avenue
annah, GA 31404
ne 912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TES

TestAmerica Laboratories, Inc

Client Contact	Project Manager: Michael Dever (Ashland)	Site Contact:	Date:	COC No:
helle Stayrook	Tel/Fax: 614-790-1586	Lab Contact: Jerry Lanier	Carrier: TA-Atlanta	_____ of _____ COCs
S Support	Analysis Turnaround Time			Job No.
94 Cemetery Road, PMB 104, Hilliard, Ohio 43026-1124	Calendar (C) or Work Days (W) _____			
2) 807-1494 Phone	TAT if different from Below _____			
7) 293-6642 eFAX	■ 2 weeks			SDG No.
ject Name: Ashland Alterman	☐ 1 week			
e: Tara Shopping Center, 8564 Tara Blvd. Jonesboro, GA	☐ 2 days			
O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Volatiles - 8260B	Sample Specific Notes:
MW-3A	7/22/14	1258	GW	G	3		X	
MW-3B	7/22/14	1337	GW	G	3		X	
MW-8A	7/23/14	1610	GW	G	3		X	
MW-8B	7/23/14	1525	GW	G	3		X	
MW-8C	7/23/14	1735	GW	G	3		X	
MW-9A	7/23/14	1435	GW	G	3		X	
MW-9B	7/23/14	1512	GW	G	3		X	
MW-9C	7/23/14	1350	GW	G	3		X	
MW-10A	7/23/14	1135	GW	G	3		X	
MW-10B	7/23/14	1213	GW	G	3		X	
MW-10C	7/23/14	1300	GW	G	3		X	
MW-11A	7/22/14	1545	GW	G	3		X	

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680-103647 Chain of Custody

eservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ___NONE_____

ssible Hazard Identification
■ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

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

ecial Instructions/QC Requirements & Comments:
alysis and Reporting set up for Condensed Dilution Formatting. Email sampling log-in, COCs, and final results to michelle.stayrook@ehs-support.com. Email draft invoices for approval to michelle.stayrook@ehs-support.com
rect Bill To Ashland under existing contract pricing.

inquished by:	Company: Antea Group	Date/Time: 7/24/14 10:50	Received by:	Company: TA	Date/Time: 7/24/14 10:50
inquished by:	Company: Test America	Date/Time: 7/24/14 11:45	Received by:	Company:	Date/Time: 7/25/14 9
inquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

680-103647 30°C

7/23/2014

annah
LaRoche Avenue
nah, GA 31404
912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TEST

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Dever (Ashland)	Site Contact:	Date:	COC No:
elle Stayrook	Tel/Fax: 614-790-1586	Lab Contact: Jerry Lanier	Carrier: TA-Atlanta	_____ of _____ COCs
Support	Analysis Turnaround Time			Job No.
Cemetery Road, PMB 104, Hilliard, Ohio 43026-1124	Calendar (C) or Work Days (W) _____			
807-1494 Phone	TAT if different from Below _____			
293-6642 eFAX	■ 2 weeks			SDG No.
ct Name: Ashland Alterman	☐ 1 week			
Tara Shopping Center, 8564 Tara Blvd. Jonesboro, GA	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Volatiles - 8260B	Sample Specific Notes:
W-11B	7-22-14	1213	GW	G	3		X	
W-11C	7/22/14	1505	GW	G	3		X	
up-1	7/23/14	0000	GW	G	3		X	
p Blank	7/22/14	0900	GW	G	3		X	
uipment Blank	7/22/14	0930	GW	G	3		X	

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rvation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ___NONE_____

le Hazard Identification
Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

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

l Instructions/QC Requirements & Comments:
sis and Reporting set up for Condensed Dilution Formatting. Email sampling log-in, COCs, and final results to michelle.stayrook@ehs-support.com. Email draft invoices for approval to michelle.stayrook@ehs-support.com.
Bill To Ashland under existing contract pricing.

	Company:	Date/Time:	Received by:	Company:	Date/Time:
uished by:	Antea Group	7/24/14 10:50		TA	7/24/14 10:50
uished by:	Test America	7/24/14 11:45		680-103647 3.0°C	7/25/14 9:30
uished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

7/31/2014

Login Sample Receipt Checklist

Client: EHS Support, LLC

Job Number: 680-103647-1

Login Number: 103647

List Source: TestAmerica Savannah

List Number: 1

Creator: Kicklighter, Marilyn D

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

Certification Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-103647-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	803	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107535-1
Client Project/Site: Ashland Alterman
Revision: 1

For:
EHS Support, LLC
3909 Tweedsmuir Drive
Columbus, Ohio 43221

Attn: Ms. Michelle Stayrook

Authorized for release by:
12/4/2014 9:28:59 AM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-107535-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EHS Support, LLC

Project: Ashland Alterman

Report Number: 680-107535-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/21/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.1 C.

The final report was revised to report the less dilute run for sample MW-19A (680-107535-6), per client request.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Trip Blank (680-107535-1), MW-22A (680-107535-2), MW-22B (680-107535-3), MW-21C (680-107535-4), MW-21B (680-107535-5), MW-19A (680-107535-6), MW-19D (680-107535-7), MW-19C (680-107535-8), MW-19B (680-107535-9), Dup-1 (680-107535-10) and Field Blank-1 (680-107535-11) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/30/2014 and 12/02/2014.

Surrogate recovery for the following sample was outside the upper control limit: MW-22A (680-107535-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Samples MW-19A (680-107535-6)[20X], MW-19C (680-107535-8)[2X] and MW-19B (680-107535-9)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 360958.

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

Sample Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107535-1	Trip Blank	Water	11/19/14 11:00	11/21/14 10:00
680-107535-2	MW-22A	Water	11/19/14 11:33	11/21/14 10:00
680-107535-3	MW-22B	Water	11/19/14 12:07	11/21/14 10:00
680-107535-4	MW-21C	Water	11/19/14 13:53	11/21/14 10:00
680-107535-5	MW-21B	Water	11/19/14 13:40	11/21/14 10:00
680-107535-6	MW-19A	Water	11/19/14 16:22	11/21/14 10:00
680-107535-7	MW-19D	Water	11/19/14 16:14	11/21/14 10:00
680-107535-8	MW-19C	Water	11/19/14 17:29	11/21/14 10:00
680-107535-9	MW-19B	Water	11/19/14 18:07	11/21/14 10:00
680-107535-10	Dup-1	Water	11/19/14 00:00	11/21/14 10:00
680-107535-11	Field Blank-1	Water	11/19/14 14:30	11/21/14 10:00

Method Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV

Protocol References:

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

Client Sample ID: Trip Blank — Lab Sample ID: 680-107535-1

No Detections.

Client Sample ID: MW-22A — Lab Sample ID: 680-107535-2

No Detections.

Client Sample ID: MW-22B — Lab Sample ID: 680-107535-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	23		1.0		ug/L	1		8260B	Total/NA
Dichlorobromomethane	6.7		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-21C — Lab Sample ID: 680-107535-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.3		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-21B — Lab Sample ID: 680-107535-5

No Detections.

Client Sample ID: MW-19A — Lab Sample ID: 680-107535-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	86		5.0		ug/L	5		8260B	Total/NA
Benzene	1600		20		ug/L	20		8260B	Total/NA
Ethylbenzene	87		5.0		ug/L	5		8260B	Total/NA
Xylenes, Total	180		10		ug/L	5		8260B	Total/NA

Client Sample ID: MW-19D — Lab Sample ID: 680-107535-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	11		1.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	13		1.0		ug/L	1		8260B	Total/NA
Tetrachloroethene	94		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	7.1		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-19C — Lab Sample ID: 680-107535-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	33		2.0		ug/L	2		8260B	Total/NA
Tetrachloroethene	290		2.0		ug/L	2		8260B	Total/NA
Trichloroethene	18		2.0		ug/L	2		8260B	Total/NA

Client Sample ID: MW-19B — Lab Sample ID: 680-107535-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		5.0		ug/L	5		8260B	Total/NA
Tetrachloroethene	870		5.0		ug/L	5		8260B	Total/NA
Trichloroethene	67		5.0		ug/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

Client Sample ID: Dup-1 — **Lab Sample ID: 680-107535-10**

No Detections.

Client Sample ID: Field Blank-1 — **Lab Sample ID: 680-107535-11**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Trip Blank

Lab Sample ID: 680-107535-1

Date Collected: 11/19/14 11:00

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/30/14 16:43	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/30/14 16:43	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/30/14 16:43	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/30/14 16:43	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/30/14 16:43	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/30/14 16:43	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/30/14 16:43	1
2-Butanone (MEK)	<10		10		ug/L			11/30/14 16:43	1
2-Hexanone	<10		10		ug/L			11/30/14 16:43	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			11/30/14 16:43	1
Acetone	<10		10		ug/L			11/30/14 16:43	1
Benzene	<1.0		1.0		ug/L			11/30/14 16:43	1
Bromoform	<1.0		1.0		ug/L			11/30/14 16:43	1
Bromomethane	<5.0		5.0		ug/L			11/30/14 16:43	1
Carbon disulfide	<2.0		2.0		ug/L			11/30/14 16:43	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/30/14 16:43	1
Chlorobenzene	<1.0		1.0		ug/L			11/30/14 16:43	1
Chlorodibromomethane	<1.0		1.0		ug/L			11/30/14 16:43	1
Chloroethane	<5.0		5.0		ug/L			11/30/14 16:43	1
Chloroform	<1.0		1.0		ug/L			11/30/14 16:43	1
Chloromethane	<1.0		1.0		ug/L			11/30/14 16:43	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 16:43	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 16:43	1
Dichlorobromomethane	<1.0		1.0		ug/L			11/30/14 16:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/30/14 16:43	1
Methylene Chloride	<5.0		5.0		ug/L			11/30/14 16:43	1
Styrene	<1.0		1.0		ug/L			11/30/14 16:43	1
Tetrachloroethene	<1.0		1.0		ug/L			11/30/14 16:43	1
Toluene	<1.0		1.0		ug/L			11/30/14 16:43	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 16:43	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 16:43	1
Trichloroethene	<1.0		1.0		ug/L			11/30/14 16:43	1
Vinyl chloride	<1.0		1.0		ug/L			11/30/14 16:43	1
Xylenes, Total	<2.0		2.0		ug/L			11/30/14 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*11/30/14 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*70 - 130*		*11/30/14 16:43*	*1*
Dibromofluoromethane (Surr)	*74*		*70 - 130*		*11/30/14 16:43*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*11/30/14 16:43*	*1*

Client Sample ID: MW-22A

Lab Sample ID: 680-107535-2

Date Collected: 11/19/14 11:33

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/30/14 17:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/30/14 17:06	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/30/14 17:06	1

Client Sample ID: MW-22A

Lab Sample ID: 680-107535-2

Date Collected: 11/19/14 11:33

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<1.0		1.0		ug/L			11/30/14 17:06	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:06	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/30/14 17:06	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/30/14 17:06	1
2-Butanone (MEK)	<10		10		ug/L			11/30/14 17:06	1
2-Hexanone	<10		10		ug/L			11/30/14 17:06	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			11/30/14 17:06	1
Acetone	<10		10		ug/L			11/30/14 17:06	1
Benzene	<1.0		1.0		ug/L			11/30/14 17:06	1
Bromoform	<1.0		1.0		ug/L			11/30/14 17:06	1
Bromomethane	<5.0		5.0		ug/L			11/30/14 17:06	1
Carbon disulfide	<2.0		2.0		ug/L			11/30/14 17:06	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/30/14 17:06	1
Chlorobenzene	<1.0		1.0		ug/L			11/30/14 17:06	1
Chlorodibromomethane	<1.0		1.0		ug/L			11/30/14 17:06	1
Chloroethane	<5.0		5.0		ug/L			11/30/14 17:06	1
Chloroform	<1.0		1.0		ug/L			11/30/14 17:06	1
Chloromethane	<1.0		1.0		ug/L			11/30/14 17:06	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:06	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 17:06	1
Dichlorobromomethane	<1.0		1.0		ug/L			11/30/14 17:06	1
Ethylbenzene	<1.0		1.0		ug/L			11/30/14 17:06	1
Methylene Chloride	<5.0		5.0		ug/L			11/30/14 17:06	1
Styrene	<1.0		1.0		ug/L			11/30/14 17:06	1
Tetrachloroethene	<1.0		1.0		ug/L			11/30/14 17:06	1
Toluene	<1.0		1.0		ug/L			11/30/14 17:06	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:06	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 17:06	1
Trichloroethene	<1.0		1.0		ug/L			11/30/14 17:06	1
Vinyl chloride	<1.0		1.0		ug/L			11/30/14 17:06	1
Xylenes, Total	<2.0		2.0		ug/L			11/30/14 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*149*	*X*	*70 - 130*		*11/30/14 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*11/30/14 17:06*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/30/14 17:06*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*11/30/14 17:06*	*1*

Client Sample ID: MW-22B

Lab Sample ID: 680-107535-3

Date Collected: 11/19/14 12:07

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/30/14 17:28	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/30/14 17:28	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/30/14 17:28	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/30/14 17:28	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:28	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/30/14 17:28	1

Client Sample ID: MW-22B

Lab Sample ID: 680-107535-3

Date Collected: 11/19/14 12:07

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<1.0		1.0		ug/L			11/30/14 17:28	1
2-Butanone (MEK)	<10		10		ug/L			11/30/14 17:28	1
2-Hexanone	<10		10		ug/L			11/30/14 17:28	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			11/30/14 17:28	1
Acetone	<10		10		ug/L			11/30/14 17:28	1
Benzene	<1.0		1.0		ug/L			11/30/14 17:28	1
Bromoform	<1.0		1.0		ug/L			11/30/14 17:28	1
Bromomethane	<5.0		5.0		ug/L			11/30/14 17:28	1
Carbon disulfide	<2.0		2.0		ug/L			11/30/14 17:28	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/30/14 17:28	1
Chlorobenzene	<1.0		1.0		ug/L			11/30/14 17:28	1
Chlorodibromomethane	<1.0		1.0		ug/L			11/30/14 17:28	1
Chloroethane	<5.0		5.0		ug/L			11/30/14 17:28	1
Chloroform	**23**		1.0		ug/L			11/30/14 17:28	1
Chloromethane	<1.0		1.0		ug/L			11/30/14 17:28	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:28	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 17:28	1
Dichlorobromomethane	**6.7**		1.0		ug/L			11/30/14 17:28	1
Ethylbenzene	<1.0		1.0		ug/L			11/30/14 17:28	1
Methylene Chloride	<5.0		5.0		ug/L			11/30/14 17:28	1
Styrene	<1.0		1.0		ug/L			11/30/14 17:28	1
Tetrachloroethene	<1.0		1.0		ug/L			11/30/14 17:28	1
Toluene	<1.0		1.0		ug/L			11/30/14 17:28	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:28	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 17:28	1
Trichloroethene	<1.0		1.0		ug/L			11/30/14 17:28	1
Vinyl chloride	<1.0		1.0		ug/L			11/30/14 17:28	1
Xylenes, Total	<2.0		2.0		ug/L			11/30/14 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*11/30/14 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*11/30/14 17:28*	*1*
Dibromofluoromethane (Surr)	*82*		*70 - 130*		*11/30/14 17:28*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*11/30/14 17:28*	*1*

Client Sample ID: MW-21C

Lab Sample ID: 680-107535-4

Date Collected: 11/19/14 13:53

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/30/14 17:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/30/14 17:51	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/30/14 17:51	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/30/14 17:51	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:51	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/30/14 17:51	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/30/14 17:51	1
2-Butanone (MEK)	<10		10		ug/L			11/30/14 17:51	1
2-Hexanone	<10		10		ug/L			11/30/14 17:51	1

Client Sample ID: MW-21C

Lab Sample ID: 680-107535-4

Date Collected: 11/19/14 13:53

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			11/30/14 17:51	1
Acetone	<10		10		ug/L			11/30/14 17:51	1
Benzene	<1.0		1.0		ug/L			11/30/14 17:51	1
Bromoform	<1.0		1.0		ug/L			11/30/14 17:51	1
Bromomethane	<5.0		5.0		ug/L			11/30/14 17:51	1
Carbon disulfide	<2.0		2.0		ug/L			11/30/14 17:51	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/30/14 17:51	1
Chlorobenzene	<1.0		1.0		ug/L			11/30/14 17:51	1
Chlorodibromomethane	<1.0		1.0		ug/L			11/30/14 17:51	1
Chloroethane	<5.0		5.0		ug/L			11/30/14 17:51	1
Chloroform	**2.3**		1.0		ug/L			11/30/14 17:51	1
Chloromethane	<1.0		1.0		ug/L			11/30/14 17:51	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:51	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 17:51	1
Dichlorobromomethane	<1.0		1.0		ug/L			11/30/14 17:51	1
Ethylbenzene	<1.0		1.0		ug/L			11/30/14 17:51	1
Methylene Chloride	<5.0		5.0		ug/L			11/30/14 17:51	1
Styrene	<1.0		1.0		ug/L			11/30/14 17:51	1
Tetrachloroethene	<1.0		1.0		ug/L			11/30/14 17:51	1
Toluene	<1.0		1.0		ug/L			11/30/14 17:51	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 17:51	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 17:51	1
Trichloroethene	<1.0		1.0		ug/L			11/30/14 17:51	1
Vinyl chloride	<1.0		1.0		ug/L			11/30/14 17:51	1
Xylenes, Total	<2.0		2.0		ug/L			11/30/14 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*11/30/14 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*11/30/14 17:51*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/30/14 17:51*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*11/30/14 17:51*	*1*

Client Sample ID: MW-21B

Lab Sample ID: 680-107535-5

Date Collected: 11/19/14 13:40

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/30/14 18:14	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/30/14 18:14	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/30/14 18:14	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/30/14 18:14	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/30/14 18:14	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/30/14 18:14	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/30/14 18:14	1
2-Butanone (MEK)	<10		10		ug/L			11/30/14 18:14	1
2-Hexanone	<10		10		ug/L			11/30/14 18:14	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			11/30/14 18:14	1
Acetone	<10		10		ug/L			11/30/14 18:14	1
Benzene	<1.0		1.0		ug/L			11/30/14 18:14	1

Client Sample ID: MW-21B

Lab Sample ID: 680-107535-5

Date Collected: 11/19/14 13:40

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<1.0		1.0		ug/L			11/30/14 18:14	1
Bromomethane	<5.0		5.0		ug/L			11/30/14 18:14	1
Carbon disulfide	<2.0		2.0		ug/L			11/30/14 18:14	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/30/14 18:14	1
Chlorobenzene	<1.0		1.0		ug/L			11/30/14 18:14	1
Chlorodibromomethane	<1.0		1.0		ug/L			11/30/14 18:14	1
Chloroethane	<5.0		5.0		ug/L			11/30/14 18:14	1
Chloroform	<1.0		1.0		ug/L			11/30/14 18:14	1
Chloromethane	<1.0		1.0		ug/L			11/30/14 18:14	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 18:14	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 18:14	1
Dichlorobromomethane	<1.0		1.0		ug/L			11/30/14 18:14	1
Ethylbenzene	<1.0		1.0		ug/L			11/30/14 18:14	1
Methylene Chloride	<5.0		5.0		ug/L			11/30/14 18:14	1
Styrene	<1.0		1.0		ug/L			11/30/14 18:14	1
Tetrachloroethene	<1.0		1.0		ug/L			11/30/14 18:14	1
Toluene	<1.0		1.0		ug/L			11/30/14 18:14	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 18:14	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 18:14	1
Trichloroethene	<1.0		1.0		ug/L			11/30/14 18:14	1
Vinyl chloride	<1.0		1.0		ug/L			11/30/14 18:14	1
Xylenes, Total	<2.0		2.0		ug/L			11/30/14 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*11/30/14 18:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*11/30/14 18:14*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*11/30/14 18:14*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*11/30/14 18:14*	*1*

Client Sample ID: MW-19A

Lab Sample ID: 680-107535-6

Date Collected: 11/19/14 16:22

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			12/02/14 05:50	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			12/02/14 05:50	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			12/02/14 05:50	5
1,1-Dichloroethane	<5.0		5.0		ug/L			12/02/14 05:50	5
1,1-Dichloroethene	<5.0		5.0		ug/L			12/02/14 05:50	5
1,2-Dichloroethane	**86**		5.0		ug/L			12/02/14 05:50	5
1,2-Dichloropropane	<5.0		5.0		ug/L			12/02/14 05:50	5
2-Butanone (MEK)	<50		50		ug/L			12/02/14 05:50	5
2-Hexanone	<50		50		ug/L			12/02/14 05:50	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			12/02/14 05:50	5
Acetone	<50		50		ug/L			12/02/14 05:50	5
Benzene	**1600**		20		ug/L			12/02/14 15:44	20
Bromoform	<5.0		5.0		ug/L			12/02/14 05:50	5
Bromomethane	<25		25		ug/L			12/02/14 05:50	5
Carbon disulfide	<10		10		ug/L			12/02/14 05:50	5

Client Sample ID: MW-19A

Lab Sample ID: 680-107535-6

Date Collected: 11/19/14 16:22

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<5.0		5.0		ug/L			12/02/14 05:50	5
Chlorobenzene	<5.0		5.0		ug/L			12/02/14 05:50	5
Chlorodibromomethane	<5.0		5.0		ug/L			12/02/14 05:50	5
Chloroethane	<25		25		ug/L			12/02/14 05:50	5
Chloroform	<5.0		5.0		ug/L			12/02/14 05:50	5
Chloromethane	<5.0		5.0		ug/L			12/02/14 05:50	5
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			12/02/14 05:50	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			12/02/14 05:50	5
Dichlorobromomethane	<5.0		5.0		ug/L			12/02/14 05:50	5
Ethylbenzene	**87**		5.0		ug/L			12/02/14 05:50	5
Methylene Chloride	<25		25		ug/L			12/02/14 05:50	5
Styrene	<5.0		5.0		ug/L			12/02/14 05:50	5
Tetrachloroethene	<5.0		5.0		ug/L			12/02/14 05:50	5
Toluene	<5.0		5.0		ug/L			12/02/14 05:50	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			12/02/14 05:50	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			12/02/14 05:50	5
Trichloroethene	<5.0		5.0		ug/L			12/02/14 05:50	5
Vinyl chloride	<5.0		5.0		ug/L			12/02/14 05:50	5
Xylenes, Total	**180**		10		ug/L			12/02/14 05:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/02/14 05:50*	*5*
Toluene-d8 (Surr)	*89*		*70 - 130*		*12/02/14 15:44*	*20*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*		*12/02/14 05:50*	*5*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*12/02/14 15:44*	*20*
Dibromofluoromethane (Surr)	*87*		*70 - 130*		*12/02/14 05:50*	*5*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*12/02/14 15:44*	*20*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*12/02/14 05:50*	*5*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*12/02/14 15:44*	*20*

Client Sample ID: MW-19D

Lab Sample ID: 680-107535-7

Date Collected: 11/19/14 16:14

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			11/30/14 18:59	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/30/14 18:59	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/30/14 18:59	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/30/14 18:59	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/30/14 18:59	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/30/14 18:59	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/30/14 18:59	1
2-Butanone (MEK)	<10		10		ug/L			11/30/14 18:59	1
2-Hexanone	<10		10		ug/L			11/30/14 18:59	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			11/30/14 18:59	1
Acetone	<10		10		ug/L			11/30/14 18:59	1
Benzene	<1.0		1.0		ug/L			11/30/14 18:59	1
Bromoform	<1.0		1.0		ug/L			11/30/14 18:59	1
Bromomethane	<5.0		5.0		ug/L			11/30/14 18:59	1

Client Sample ID: MW-19D

Lab Sample ID: 680-107535-7

Date Collected: 11/19/14 16:14

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	<2.0		2.0		ug/L			11/30/14 18:59	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/30/14 18:59	1
Chlorobenzene	<1.0		1.0		ug/L			11/30/14 18:59	1
Chlorodibromomethane	<1.0		1.0		ug/L			11/30/14 18:59	1
Chloroethane	<5.0		5.0		ug/L			11/30/14 18:59	1
Chloroform	**11**		1.0		ug/L			11/30/14 18:59	1
Chloromethane	<1.0		1.0		ug/L			11/30/14 18:59	1
cis-1,2-Dichloroethene	**13**		1.0		ug/L			11/30/14 18:59	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 18:59	1
Dichlorobromomethane	<1.0		1.0		ug/L			11/30/14 18:59	1
Ethylbenzene	<1.0		1.0		ug/L			11/30/14 18:59	1
Methylene Chloride	<5.0		5.0		ug/L			11/30/14 18:59	1
Styrene	<1.0		1.0		ug/L			11/30/14 18:59	1
Tetrachloroethene	**94**		1.0		ug/L			11/30/14 18:59	1
Toluene	<1.0		1.0		ug/L			11/30/14 18:59	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 18:59	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 18:59	1
Trichloroethene	**7.1**		1.0		ug/L			11/30/14 18:59	1
Vinyl chloride	<1.0		1.0		ug/L			11/30/14 18:59	1
Xylenes, Total	<2.0		2.0		ug/L			11/30/14 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*11/30/14 18:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*11/30/14 18:59*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*11/30/14 18:59*	*1*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*		*11/30/14 18:59*	*1*

Client Sample ID: MW-19C

Lab Sample ID: 680-107535-8

Date Collected: 11/19/14 17:29

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0		ug/L			12/02/14 16:07	2
1,1,2,2-Tetrachloroethane	<2.0		2.0		ug/L			12/02/14 16:07	2
1,1,2-Trichloroethane	<2.0		2.0		ug/L			12/02/14 16:07	2
1,1-Dichloroethane	<2.0		2.0		ug/L			12/02/14 16:07	2
1,1-Dichloroethene	<2.0		2.0		ug/L			12/02/14 16:07	2
1,2-Dichloroethane	<2.0		2.0		ug/L			12/02/14 16:07	2
1,2-Dichloropropane	<2.0		2.0		ug/L			12/02/14 16:07	2
2-Butanone (MEK)	<20		20		ug/L			12/02/14 16:07	2
2-Hexanone	<20		20		ug/L			12/02/14 16:07	2
4-Methyl-2-pentanone (MIBK)	<20		20		ug/L			12/02/14 16:07	2
Acetone	<20		20		ug/L			12/02/14 16:07	2
Benzene	<2.0		2.0		ug/L			12/02/14 16:07	2
Bromoform	<2.0		2.0		ug/L			12/02/14 16:07	2
Bromomethane	<10		10		ug/L			12/02/14 16:07	2
Carbon disulfide	<4.0		4.0		ug/L			12/02/14 16:07	2
Carbon tetrachloride	<2.0		2.0		ug/L			12/02/14 16:07	2
Chlorobenzene	<2.0		2.0		ug/L			12/02/14 16:07	2

Client Sample ID: MW-19C

Lab Sample ID: 680-107535-8

Date Collected: 11/19/14 17:29

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<2.0		2.0		ug/L			12/02/14 16:07	2
Chloroethane	<10		10		ug/L			12/02/14 16:07	2
Chloroform	<2.0		2.0		ug/L			12/02/14 16:07	2
Chloromethane	<2.0		2.0		ug/L			12/02/14 16:07	2
cis-1,2-Dichloroethene	**33**		2.0		ug/L			12/02/14 16:07	2
cis-1,3-Dichloropropene	<2.0		2.0		ug/L			12/02/14 16:07	2
Dichlorobromomethane	<2.0		2.0		ug/L			12/02/14 16:07	2
Ethylbenzene	<2.0		2.0		ug/L			12/02/14 16:07	2
Methylene Chloride	<10		10		ug/L			12/02/14 16:07	2
Styrene	<2.0		2.0		ug/L			12/02/14 16:07	2
Tetrachloroethene	**290**		2.0		ug/L			12/02/14 16:07	2
Toluene	<2.0		2.0		ug/L			12/02/14 16:07	2
trans-1,2-Dichloroethene	<2.0		2.0		ug/L			12/02/14 16:07	2
trans-1,3-Dichloropropene	<2.0		2.0		ug/L			12/02/14 16:07	2
Trichloroethene	**18**		2.0		ug/L			12/02/14 16:07	2
Vinyl chloride	<2.0		2.0		ug/L			12/02/14 16:07	2
Xylenes, Total	<4.0		4.0		ug/L			12/02/14 16:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*70 - 130*		*12/02/14 16:07*	*2*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*		*12/02/14 16:07*	*2*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*12/02/14 16:07*	*2*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*12/02/14 16:07*	*2*

Client Sample ID: MW-19B

Lab Sample ID: 680-107535-9

Date Collected: 11/19/14 18:07

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			12/02/14 06:12	5
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			12/02/14 06:12	5
1,1,2-Trichloroethane	<5.0		5.0		ug/L			12/02/14 06:12	5
1,1-Dichloroethane	<5.0		5.0		ug/L			12/02/14 06:12	5
1,1-Dichloroethene	<5.0		5.0		ug/L			12/02/14 06:12	5
1,2-Dichloroethane	<5.0		5.0		ug/L			12/02/14 06:12	5
1,2-Dichloropropane	<5.0		5.0		ug/L			12/02/14 06:12	5
2-Butanone (MEK)	<50		50		ug/L			12/02/14 06:12	5
2-Hexanone	<50		50		ug/L			12/02/14 06:12	5
4-Methyl-2-pentanone (MIBK)	<50		50		ug/L			12/02/14 06:12	5
Acetone	<50		50		ug/L			12/02/14 06:12	5
Benzene	<5.0		5.0		ug/L			12/02/14 06:12	5
Bromoform	<5.0		5.0		ug/L			12/02/14 06:12	5
Bromomethane	<25		25		ug/L			12/02/14 06:12	5
Carbon disulfide	<10		10		ug/L			12/02/14 06:12	5
Carbon tetrachloride	<5.0		5.0		ug/L			12/02/14 06:12	5
Chlorobenzene	<5.0		5.0		ug/L			12/02/14 06:12	5
Chlorodibromomethane	<5.0		5.0		ug/L			12/02/14 06:12	5
Chloroethane	<25		25		ug/L			12/02/14 06:12	5
Chloroform	<5.0		5.0		ug/L			12/02/14 06:12	5

Client Sample ID: MW-19B

Lab Sample ID: 680-107535-9

Date Collected: 11/19/14 18:07

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.0		5.0		ug/L			12/02/14 06:12	5
cis-1,2-Dichloroethene	**100**		5.0		ug/L			12/02/14 06:12	5
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			12/02/14 06:12	5
Dichlorobromomethane	<5.0		5.0		ug/L			12/02/14 06:12	5
Ethylbenzene	<5.0		5.0		ug/L			12/02/14 06:12	5
Methylene Chloride	<25		25		ug/L			12/02/14 06:12	5
Styrene	<5.0		5.0		ug/L			12/02/14 06:12	5
Tetrachloroethene	**870**		5.0		ug/L			12/02/14 06:12	5
Toluene	<5.0		5.0		ug/L			12/02/14 06:12	5
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			12/02/14 06:12	5
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			12/02/14 06:12	5
Trichloroethene	**67**		5.0		ug/L			12/02/14 06:12	5
Vinyl chloride	<5.0		5.0		ug/L			12/02/14 06:12	5
Xylenes, Total	<10		10		ug/L			12/02/14 06:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/02/14 06:12*	*5*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*		*12/02/14 06:12*	*5*
Dibromofluoromethane (Surr)	*86*		*70 - 130*		*12/02/14 06:12*	*5*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*12/02/14 06:12*	*5*

Client Sample ID: Dup-1

Lab Sample ID: 680-107535-10

Date Collected: 11/19/14 00:00

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/02/14 16:29	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/02/14 16:29	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/02/14 16:29	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/02/14 16:29	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/02/14 16:29	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/02/14 16:29	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/02/14 16:29	1
2-Butanone (MEK)	<10		10		ug/L			12/02/14 16:29	1
2-Hexanone	<10		10		ug/L			12/02/14 16:29	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/02/14 16:29	1
Acetone	<10		10		ug/L			12/02/14 16:29	1
Benzene	<1.0		1.0		ug/L			12/02/14 16:29	1
Bromoform	<1.0		1.0		ug/L			12/02/14 16:29	1
Bromomethane	<5.0		5.0		ug/L			12/02/14 16:29	1
Carbon disulfide	<2.0		2.0		ug/L			12/02/14 16:29	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/02/14 16:29	1
Chlorobenzene	<1.0		1.0		ug/L			12/02/14 16:29	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/02/14 16:29	1
Chloroethane	<5.0		5.0		ug/L			12/02/14 16:29	1
Chloroform	<1.0		1.0		ug/L			12/02/14 16:29	1
Chloromethane	<1.0		1.0		ug/L			12/02/14 16:29	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			12/02/14 16:29	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/02/14 16:29	1

Client Sample ID: Dup-1

Lab Sample ID: 680-107535-10

Date Collected: 11/19/14 00:00

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	<1.0		1.0		ug/L			12/02/14 16:29	1
Ethylbenzene	<1.0		1.0		ug/L			12/02/14 16:29	1
Methylene Chloride	<5.0		5.0		ug/L			12/02/14 16:29	1
Styrene	<1.0		1.0		ug/L			12/02/14 16:29	1
Tetrachloroethene	<1.0		1.0		ug/L			12/02/14 16:29	1
Toluene	<1.0		1.0		ug/L			12/02/14 16:29	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/02/14 16:29	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/02/14 16:29	1
Trichloroethene	<1.0		1.0		ug/L			12/02/14 16:29	1
Vinyl chloride	<1.0		1.0		ug/L			12/02/14 16:29	1
Xylenes, Total	<2.0		2.0		ug/L			12/02/14 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/02/14 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*12/02/14 16:29*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*12/02/14 16:29*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*12/02/14 16:29*	*1*

Client Sample ID: Field Blank-1

Lab Sample ID: 680-107535-11

Date Collected: 11/19/14 14:30

Matrix: Water

Date Received: 11/21/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.0		1.0		ug/L			12/02/14 00:11	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/02/14 00:11	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/02/14 00:11	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/02/14 00:11	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/02/14 00:11	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/02/14 00:11	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/02/14 00:11	1
2-Butanone (MEK)	<10		10		ug/L			12/02/14 00:11	1
2-Hexanone	<10		10		ug/L			12/02/14 00:11	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/02/14 00:11	1
Acetone	<10		10		ug/L			12/02/14 00:11	1
Benzene	<1.0		1.0		ug/L			12/02/14 00:11	1
Bromoform	<1.0		1.0		ug/L			12/02/14 00:11	1
Bromomethane	<5.0		5.0		ug/L			12/02/14 00:11	1
Carbon disulfide	<2.0		2.0		ug/L			12/02/14 00:11	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/02/14 00:11	1
Chlorobenzene	<1.0		1.0		ug/L			12/02/14 00:11	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/02/14 00:11	1
Chloroethane	<5.0		5.0		ug/L			12/02/14 00:11	1
Chloroform	<1.0		1.0		ug/L			12/02/14 00:11	1
Chloromethane	<1.0		1.0		ug/L			12/02/14 00:11	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			12/02/14 00:11	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/02/14 00:11	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/02/14 00:11	1
Ethylbenzene	<1.0		1.0		ug/L			12/02/14 00:11	1
Methylene Chloride	<5.0		5.0		ug/L			12/02/14 00:11	1

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

Client Sample ID: Field Blank-1
Date Collected: 11/19/14 14:30
Date Received: 11/21/14 10:00

Lab Sample ID: 680-107535-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<1.0		1.0		ug/L			12/02/14 00:11	1
Tetrachloroethene	<1.0		1.0		ug/L			12/02/14 00:11	1
Toluene	<1.0		1.0		ug/L			12/02/14 00:11	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/02/14 00:11	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/02/14 00:11	1
Trichloroethene	<1.0		1.0		ug/L			12/02/14 00:11	1
Vinyl chloride	<1.0		1.0		ug/L			12/02/14 00:11	1
Xylenes, Total	<2.0		2.0		ug/L			12/02/14 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/02/14 00:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*		*12/02/14 00:11*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*12/02/14 00:11*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*12/02/14 00:11*	*1*

Surrogate Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	DBFM	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
680-107535-1	Trip Blank	106	77	74	108
680-107535-2	MW-22A	149 X	88	97	105
680-107535-3	MW-22B	104	91	82	106
680-107535-4	MW-21C	94	93	97	114
680-107535-5	MW-21B	105	88	99	106
680-107535-6	MW-19A	98	81	87	93
680-107535-6	MW-19A	89	105	109	98
680-107535-7	MW-19D	105	101	101	123
680-107535-8	MW-19C	89	114	114	99
680-107535-9	MW-19B	99	81	86	93
680-107535-10	Dup-1	94	97	104	104
680-107535-11	Field Blank-1	97	82	89	93
LCS 680-360958/4	Lab Control Sample	105	84	99	108
LCS 680-361167/4	Lab Control Sample	94	95	92	91
LCS 680-361179/4	Lab Control Sample	104	104	108	96
LCSD 680-360958/5	Lab Control Sample Dup	105	85	99	102
LCSD 680-361167/5	Lab Control Sample Dup	94	94	92	92
LCSD 680-361179/5	Lab Control Sample Dup	98	91	98	90
MB 680-360958/10	Method Blank	98	88	96	103
MB 680-361167/10	Method Blank	98	81	89	93
MB 680-361179/9	Method Blank	86	100	98	92

Surrogate Legend

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

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

Lab Sample ID: MB 680-360958/10
Matrix: Water
Analysis Batch: 360958

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-Trichloroethane	<1.0		1.0		ug/L			11/30/14 12:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			11/30/14 12:13	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			11/30/14 12:13	1
1,1-Dichloroethane	<1.0		1.0		ug/L			11/30/14 12:13	1
1,1-Dichloroethene	<1.0		1.0		ug/L			11/30/14 12:13	1
1,2-Dichloroethane	<1.0		1.0		ug/L			11/30/14 12:13	1
1,2-Dichloropropane	<1.0		1.0		ug/L			11/30/14 12:13	1
2-Butanone (MEK)	<10		10		ug/L			11/30/14 12:13	1
2-Hexanone	<10		10		ug/L			11/30/14 12:13	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			11/30/14 12:13	1
Acetone	<10		10		ug/L			11/30/14 12:13	1
Benzene	<1.0		1.0		ug/L			11/30/14 12:13	1
Bromoform	<1.0		1.0		ug/L			11/30/14 12:13	1
Bromomethane	<5.0		5.0		ug/L			11/30/14 12:13	1
Carbon disulfide	<2.0		2.0		ug/L			11/30/14 12:13	1
Carbon tetrachloride	<1.0		1.0		ug/L			11/30/14 12:13	1
Chlorobenzene	<1.0		1.0		ug/L			11/30/14 12:13	1
Chlorodibromomethane	<1.0		1.0		ug/L			11/30/14 12:13	1
Chloroethane	<5.0		5.0		ug/L			11/30/14 12:13	1
Chloroform	<1.0		1.0		ug/L			11/30/14 12:13	1
Chloromethane	<1.0		1.0		ug/L			11/30/14 12:13	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 12:13	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 12:13	1
Dichlorobromomethane	<1.0		1.0		ug/L			11/30/14 12:13	1
Ethylbenzene	<1.0		1.0		ug/L			11/30/14 12:13	1
Methylene Chloride	<5.0		5.0		ug/L			11/30/14 12:13	1
Styrene	<1.0		1.0		ug/L			11/30/14 12:13	1
Tetrachloroethene	<1.0		1.0		ug/L			11/30/14 12:13	1
Toluene	<1.0		1.0		ug/L			11/30/14 12:13	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			11/30/14 12:13	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			11/30/14 12:13	1
Trichloroethene	<1.0		1.0		ug/L			11/30/14 12:13	1
Vinyl chloride	<1.0		1.0		ug/L			11/30/14 12:13	1
Xylenes, Total	<2.0		2.0		ug/L			11/30/14 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*11/30/14 12:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*11/30/14 12:13*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*11/30/14 12:13*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*11/30/14 12:13*	*1*

Lab Sample ID: LCS 680-360958/4
Matrix: Water
Analysis Batch: 360958

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-Trichloroethane			50.0	50.4		ug/L		101	76 - 126		
1,1,2,2-Tetrachloroethane			50.0	50.6		ug/L		101	71 - 127		

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

Lab Sample ID: LCS 680-360958/4
Matrix: Water
Analysis Batch: 360958

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	50.0	45.1		ug/L		90	69 - 127
1,1-Dichloroethane	50.0	49.1		ug/L		98	69 - 132
1,1-Dichloroethene	50.0	46.6		ug/L		93	73 - 134
1,2-Dichloroethane	50.0	43.5		ug/L		87	75 - 120
1,2-Dichloropropane	50.0	47.8		ug/L		96	71 - 126
2-Butanone (MEK)	250	236		ug/L		95	55 - 142
2-Hexanone	250	215		ug/L		86	52 - 149
4-Methyl-2-pentanone (MIBK)	250	246		ug/L		98	51 - 143
Acetone	250	237		ug/L		95	39 - 162
Benzene	50.0	47.2		ug/L		94	74 - 123
Bromoform	50.0	43.7		ug/L		87	60 - 134
Bromomethane	50.0	50.3		ug/L		101	10 - 171
Carbon disulfide	50.0	46.1		ug/L		92	63 - 142
Carbon tetrachloride	50.0	51.1		ug/L		102	70 - 131
Chlorobenzene	50.0	50.0		ug/L		100	79 - 120
Chlorodibromomethane	50.0	41.2		ug/L		82	63 - 134
Chloroethane	50.0	43.7		ug/L		87	47 - 148
Chloroform	50.0	46.5		ug/L		93	76 - 128
Chloromethane	50.0	37.6		ug/L		75	47 - 151
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	78 - 127
cis-1,3-Dichloropropene	50.0	49.3		ug/L		99	73 - 128
Dichlorobromomethane	50.0	48.8		ug/L		98	72 - 129
Ethylbenzene	50.0	52.2		ug/L		104	78 - 125
Methylene Chloride	50.0	47.6		ug/L		95	79 - 124
Styrene	50.0	52.1		ug/L		104	75 - 129
Tetrachloroethene	50.0	46.0		ug/L		92	77 - 128
Toluene	50.0	53.4		ug/L		107	77 - 125
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	78 - 130
trans-1,3-Dichloropropene	50.0	49.2		ug/L		98	72 - 127
Trichloroethene	50.0	51.7		ug/L		103	80 - 120
Vinyl chloride	50.0	40.2		ug/L		80	58 - 141
Xylenes, Total	100	107		ug/L		107	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 680-360958/5
Matrix: Water
Analysis Batch: 360958

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-Trichloroethane	50.0	48.6		ug/L		97	76 - 126	4	30
1,1,2,2-Tetrachloroethane	50.0	52.0		ug/L		104	71 - 127	3	30
1,1,2-Trichloroethane	50.0	50.5		ug/L		101	69 - 127	11	30
1,1-Dichloroethane	50.0	42.8		ug/L		86	69 - 132	14	30

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

Lab Sample ID: LCSD 680-360958/5
Matrix: Water
Analysis Batch: 360958

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-Dichloroethene	50.0	45.9		ug/L		92	73 - 134	1	30
1,2-Dichloroethane	50.0	44.7		ug/L		89	75 - 120	3	30
1,2-Dichloropropane	50.0	51.4		ug/L		103	71 - 126	7	30
2-Butanone (MEK)	250	242		ug/L		97	55 - 142	2	30
2-Hexanone	250	233		ug/L		93	52 - 149	8	30
4-Methyl-2-pentanone (MIBK)	250	236		ug/L		94	51 - 143	4	30
Acetone	250	260		ug/L		104	39 - 162	9	50
Benzene	50.0	51.3		ug/L		103	74 - 123	8	30
Bromoform	50.0	50.5		ug/L		101	60 - 134	15	30
Bromomethane	50.0	45.1		ug/L		90	10 - 171	11	50
Carbon disulfide	50.0	47.5		ug/L		95	63 - 142	3	30
Carbon tetrachloride	50.0	50.9		ug/L		102	70 - 131	0	30
Chlorobenzene	50.0	51.6		ug/L		103	79 - 120	3	30
Chlorodibromomethane	50.0	47.5		ug/L		95	63 - 134	14	50
Chloroethane	50.0	33.8		ug/L		68	47 - 148	26	40
Chloroform	50.0	46.4		ug/L		93	76 - 128	0	30
Chloromethane	50.0	36.5		ug/L		73	47 - 151	3	30
cis-1,2-Dichloroethene	50.0	49.0		ug/L		98	78 - 127	2	30
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	73 - 128	3	30
Dichlorobromomethane	50.0	48.5		ug/L		97	72 - 129	1	30
Ethylbenzene	50.0	53.0		ug/L		106	78 - 125	1	30
Methylene Chloride	50.0	47.6		ug/L		95	79 - 124	0	30
Styrene	50.0	53.3		ug/L		107	75 - 129	2	30
Tetrachloroethene	50.0	53.6		ug/L		107	77 - 128	15	30
Toluene	50.0	51.4		ug/L		103	77 - 125	4	30
trans-1,2-Dichloroethene	50.0	42.5		ug/L		85	78 - 130	16	30
trans-1,3-Dichloropropene	50.0	47.5		ug/L		95	72 - 127	3	50
Trichloroethene	50.0	51.8		ug/L		104	80 - 120	0	30
Vinyl chloride	50.0	37.8		ug/L		76	58 - 141	6	30
Xylenes, Total	100	106		ug/L		106	80 - 124	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 680-361167/10
Matrix: Water
Analysis Batch: 361167

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-Trichloroethane	<1.0		1.0		ug/L			12/01/14 23:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/01/14 23:07	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/01/14 23:07	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/01/14 23:07	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/01/14 23:07	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/01/14 23:07	1

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

Lab Sample ID: MB 680-361167/10
Matrix: Water
Analysis Batch: 361167

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<1.0		1.0		ug/L			12/01/14 23:07	1
2-Butanone (MEK)	<10		10		ug/L			12/01/14 23:07	1
2-Hexanone	<10		10		ug/L			12/01/14 23:07	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/01/14 23:07	1
Acetone	<10		10		ug/L			12/01/14 23:07	1
Benzene	<1.0		1.0		ug/L			12/01/14 23:07	1
Bromoform	<1.0		1.0		ug/L			12/01/14 23:07	1
Bromomethane	<5.0		5.0		ug/L			12/01/14 23:07	1
Carbon disulfide	<2.0		2.0		ug/L			12/01/14 23:07	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/01/14 23:07	1
Chlorobenzene	<1.0		1.0		ug/L			12/01/14 23:07	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/01/14 23:07	1
Chloroethane	<5.0		5.0		ug/L			12/01/14 23:07	1
Chloroform	<1.0		1.0		ug/L			12/01/14 23:07	1
Chloromethane	<1.0		1.0		ug/L			12/01/14 23:07	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			12/01/14 23:07	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/01/14 23:07	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/01/14 23:07	1
Ethylbenzene	<1.0		1.0		ug/L			12/01/14 23:07	1
Methylene Chloride	<5.0		5.0		ug/L			12/01/14 23:07	1
Styrene	<1.0		1.0		ug/L			12/01/14 23:07	1
Tetrachloroethene	<1.0		1.0		ug/L			12/01/14 23:07	1
Toluene	<1.0		1.0		ug/L			12/01/14 23:07	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/01/14 23:07	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/01/14 23:07	1
Trichloroethene	<1.0		1.0		ug/L			12/01/14 23:07	1
Vinyl chloride	<1.0		1.0		ug/L			12/01/14 23:07	1
Xylenes, Total	<2.0		2.0		ug/L			12/01/14 23:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/01/14 23:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*		*12/01/14 23:07*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*12/01/14 23:07*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*12/01/14 23:07*	*1*

Lab Sample ID: LCS 680-361167/4
Matrix: Water
Analysis Batch: 361167

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-Trichloroethane	50.0	47.0		ug/L		94	76 - 126
1,1,2,2-Tetrachloroethane	50.0	46.2		ug/L		92	71 - 127
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	69 - 127
1,1-Dichloroethane	50.0	47.1		ug/L		94	69 - 132
1,1-Dichloroethene	50.0	46.9		ug/L		94	73 - 134
1,2-Dichloroethane	50.0	49.1		ug/L		98	75 - 120
1,2-Dichloropropane	50.0	46.6		ug/L		93	71 - 126
2-Butanone (MEK)	250	241		ug/L		96	55 - 142

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

Lab Sample ID: LCS 680-361167/4
Matrix: Water
Analysis Batch: 361167

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	250	238		ug/L		95	52 - 149
4-Methyl-2-pentanone (MIBK)	250	238		ug/L		95	51 - 143
Acetone	250	262		ug/L		105	39 - 162
Benzene	50.0	46.3		ug/L		93	74 - 123
Bromoform	50.0	44.4		ug/L		89	60 - 134
Bromomethane	50.0	39.4		ug/L		79	10 - 171
Carbon disulfide	50.0	47.8		ug/L		96	63 - 142
Carbon tetrachloride	50.0	47.0		ug/L		94	70 - 131
Chlorobenzene	50.0	48.1		ug/L		96	79 - 120
Chlorodibromomethane	50.0	45.0		ug/L		90	63 - 134
Chloroethane	50.0	45.4		ug/L		91	47 - 148
Chloroform	50.0	46.2		ug/L		92	76 - 128
Chloromethane	50.0	46.0		ug/L		92	47 - 151
cis-1,2-Dichloroethene	50.0	47.0		ug/L		94	78 - 127
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	73 - 128
Dichlorobromomethane	50.0	45.4		ug/L		91	72 - 129
Ethylbenzene	50.0	47.6		ug/L		95	78 - 125
Methylene Chloride	50.0	45.0		ug/L		90	79 - 124
Styrene	50.0	46.9		ug/L		94	75 - 129
Tetrachloroethene	50.0	46.8		ug/L		94	77 - 128
Toluene	50.0	46.6		ug/L		93	77 - 125
trans-1,2-Dichloroethene	50.0	44.9		ug/L		90	78 - 130
trans-1,3-Dichloropropene	50.0	45.7		ug/L		91	72 - 127
Trichloroethene	50.0	45.9		ug/L		92	80 - 120
Vinyl chloride	50.0	47.7		ug/L		95	58 - 141
Xylenes, Total	100	95.5		ug/L		96	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 680-361167/5
Matrix: Water
Analysis Batch: 361167

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-Trichloroethane	50.0	47.3		ug/L		95	76 - 126	1	30
1,1,2,2-Tetrachloroethane	50.0	45.6		ug/L		91	71 - 127	1	30
1,1,2-Trichloroethane	50.0	46.7		ug/L		93	69 - 127	2	30
1,1-Dichloroethane	50.0	47.3		ug/L		95	69 - 132	0	30
1,1-Dichloroethene	50.0	47.2		ug/L		94	73 - 134	1	30
1,2-Dichloroethane	50.0	48.3		ug/L		97	75 - 120	2	30
1,2-Dichloropropane	50.0	46.2		ug/L		92	71 - 126	1	30
2-Butanone (MEK)	250	245		ug/L		98	55 - 142	2	30
2-Hexanone	250	240		ug/L		96	52 - 149	1	30
4-Methyl-2-pentanone (MIBK)	250	239		ug/L		96	51 - 143	1	30

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

Lab Sample ID: LCSD 680-361167/5
Matrix: Water
Analysis Batch: 361167

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
Acetone	250	263		ug/L		105	39 - 162	0	50
Benzene	50.0	46.7		ug/L		93	74 - 123	1	30
Bromoform	50.0	44.8		ug/L		90	60 - 134	1	30
Bromomethane	50.0	43.7		ug/L		87	10 - 171	10	50
Carbon disulfide	50.0	48.1		ug/L		96	63 - 142	1	30
Carbon tetrachloride	50.0	47.9		ug/L		96	70 - 131	2	30
Chlorobenzene	50.0	48.2		ug/L		96	79 - 120	0	30
Chlorodibromomethane	50.0	45.3		ug/L		91	63 - 134	1	50
Chloroethane	50.0	46.0		ug/L		92	47 - 148	1	40
Chloroform	50.0	46.6		ug/L		93	76 - 128	1	30
Chloromethane	50.0	45.4		ug/L		91	47 - 151	1	30
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	78 - 127	1	30
cis-1,3-Dichloropropene	50.0	46.2		ug/L		92	73 - 128	1	30
Dichlorobromomethane	50.0	45.6		ug/L		91	72 - 129	1	30
Ethylbenzene	50.0	47.6		ug/L		95	78 - 125	0	30
Methylene Chloride	50.0	45.2		ug/L		90	79 - 124	0	30
Styrene	50.0	46.7		ug/L		93	75 - 129	0	30
Tetrachloroethene	50.0	47.1		ug/L		94	77 - 128	1	30
Toluene	50.0	46.4		ug/L		93	77 - 125	0	30
trans-1,2-Dichloroethene	50.0	45.6		ug/L		91	78 - 130	2	30
trans-1,3-Dichloropropene	50.0	45.4		ug/L		91	72 - 127	1	50
Trichloroethene	50.0	46.7		ug/L		93	80 - 120	2	30
Vinyl chloride	50.0	48.0		ug/L		96	58 - 141	1	30
Xylenes, Total	100	94.2		ug/L		94	80 - 124	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 680-361179/9
Matrix: Water
Analysis Batch: 361179

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-Trichloroethane	<1.0		1.0		ug/L			12/02/14 10:14	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			12/02/14 10:14	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			12/02/14 10:14	1
1,1-Dichloroethane	<1.0		1.0		ug/L			12/02/14 10:14	1
1,1-Dichloroethene	<1.0		1.0		ug/L			12/02/14 10:14	1
1,2-Dichloroethane	<1.0		1.0		ug/L			12/02/14 10:14	1
1,2-Dichloropropane	<1.0		1.0		ug/L			12/02/14 10:14	1
2-Butanone (MEK)	<10		10		ug/L			12/02/14 10:14	1
2-Hexanone	<10		10		ug/L			12/02/14 10:14	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			12/02/14 10:14	1
Acetone	<10		10		ug/L			12/02/14 10:14	1
Benzene	<1.0		1.0		ug/L			12/02/14 10:14	1

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

Lab Sample ID: MB 680-361179/9
Matrix: Water
Analysis Batch: 361179

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<1.0		1.0		ug/L			12/02/14 10:14	1
Bromomethane	<5.0		5.0		ug/L			12/02/14 10:14	1
Carbon disulfide	<2.0		2.0		ug/L			12/02/14 10:14	1
Carbon tetrachloride	<1.0		1.0		ug/L			12/02/14 10:14	1
Chlorobenzene	<1.0		1.0		ug/L			12/02/14 10:14	1
Chlorodibromomethane	<1.0		1.0		ug/L			12/02/14 10:14	1
Chloroethane	<5.0		5.0		ug/L			12/02/14 10:14	1
Chloroform	<1.0		1.0		ug/L			12/02/14 10:14	1
Chloromethane	<1.0		1.0		ug/L			12/02/14 10:14	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			12/02/14 10:14	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			12/02/14 10:14	1
Dichlorobromomethane	<1.0		1.0		ug/L			12/02/14 10:14	1
Ethylbenzene	<1.0		1.0		ug/L			12/02/14 10:14	1
Methylene Chloride	<5.0		5.0		ug/L			12/02/14 10:14	1
Styrene	<1.0		1.0		ug/L			12/02/14 10:14	1
Tetrachloroethene	<1.0		1.0		ug/L			12/02/14 10:14	1
Toluene	<1.0		1.0		ug/L			12/02/14 10:14	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			12/02/14 10:14	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			12/02/14 10:14	1
Trichloroethene	<1.0		1.0		ug/L			12/02/14 10:14	1
Vinyl chloride	<1.0		1.0		ug/L			12/02/14 10:14	1
Xylenes, Total	<2.0		2.0		ug/L			12/02/14 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*70 - 130*		*12/02/14 10:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*12/02/14 10:14*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*12/02/14 10:14*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*12/02/14 10:14*	*1*

Lab Sample ID: LCS 680-361179/4
Matrix: Water
Analysis Batch: 361179

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-Trichloroethane	50.0	50.6		ug/L		101	76 - 126
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/L		95	71 - 127
1,1,2-Trichloroethane	50.0	56.8		ug/L		114	69 - 127
1,1-Dichloroethane	50.0	52.9		ug/L		106	69 - 132
1,1-Dichloroethene	50.0	47.9		ug/L		96	73 - 134
1,2-Dichloroethane	50.0	55.1		ug/L		110	75 - 120
1,2-Dichloropropane	50.0	56.3		ug/L		113	71 - 126
2-Butanone (MEK)	250	265		ug/L		106	55 - 142
2-Hexanone	250	294		ug/L		118	52 - 149
4-Methyl-2-pentanone (MIBK)	250	298		ug/L		119	51 - 143
Acetone	250	309		ug/L		123	39 - 162
Benzene	50.0	56.9		ug/L		114	74 - 123
Bromoform	50.0	48.6		ug/L		97	60 - 134
Bromomethane	50.0	38.1		ug/L		76	10 - 171

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

Lab Sample ID: LCS 680-361179/4
Matrix: Water
Analysis Batch: 361179

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	50.0	51.8		ug/L		104	63 - 142
Carbon tetrachloride	50.0	49.1		ug/L		98	70 - 131
Chlorobenzene	50.0	53.2		ug/L		106	79 - 120
Chlorodibromomethane	50.0	56.4		ug/L		113	63 - 134
Chloroethane	50.0	57.0		ug/L		114	47 - 148
Chloroform	50.0	52.1		ug/L		104	76 - 128
Chloromethane	50.0	44.1		ug/L		88	47 - 151
cis-1,2-Dichloroethene	50.0	52.8		ug/L		106	78 - 127
cis-1,3-Dichloropropene	50.0	59.1		ug/L		118	73 - 128
Dichlorobromomethane	50.0	53.7		ug/L		107	72 - 129
Ethylbenzene	50.0	51.9		ug/L		104	78 - 125
Methylene Chloride	50.0	61.5		ug/L		123	79 - 124
Styrene	50.0	56.2		ug/L		112	75 - 129
Tetrachloroethene	50.0	54.7		ug/L		109	77 - 128
Toluene	50.0	57.7		ug/L		115	77 - 125
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	78 - 130
trans-1,3-Dichloropropene	50.0	57.9		ug/L		116	72 - 127
Trichloroethene	50.0	52.4		ug/L		105	80 - 120
Vinyl chloride	50.0	53.3		ug/L		107	58 - 141
Xylenes, Total	100	104		ug/L		104	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 680-361179/5
Matrix: Water
Analysis Batch: 361179

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-Trichloroethane	50.0	44.9		ug/L		90	76 - 126	12	30
1,1,2,2-Tetrachloroethane	50.0	43.3		ug/L		87	71 - 127	9	30
1,1,2-Trichloroethane	50.0	50.4		ug/L		101	69 - 127	12	30
1,1-Dichloroethane	50.0	49.7		ug/L		99	69 - 132	6	30
1,1-Dichloroethene	50.0	47.9		ug/L		96	73 - 134	0	30
1,2-Dichloroethane	50.0	47.2		ug/L		94	75 - 120	16	30
1,2-Dichloropropane	50.0	49.5		ug/L		99	71 - 126	13	30
2-Butanone (MEK)	250	251		ug/L		101	55 - 142	5	30
2-Hexanone	250	248		ug/L		99	52 - 149	17	30
4-Methyl-2-pentanone (MIBK)	250	255		ug/L		102	51 - 143	16	30
Acetone	250	214		ug/L		85	39 - 162	36	50
Benzene	50.0	50.4		ug/L		101	74 - 123	12	30
Bromoform	50.0	44.4		ug/L		89	60 - 134	9	30
Bromomethane	50.0	33.9		ug/L		68	10 - 171	12	50
Carbon disulfide	50.0	45.1		ug/L		90	63 - 142	14	30
Carbon tetrachloride	50.0	44.6		ug/L		89	70 - 131	10	30

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

Lab Sample ID: LCSD 680-361179/5
Matrix: Water
Analysis Batch: 361179

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
Chlorobenzene			50.0	50.0		ug/L		100	79 - 120	6	30
Chlorodibromomethane			50.0	48.6		ug/L		97	63 - 134	15	50
Chloroethane			50.0	56.0		ug/L		112	47 - 148	2	40
Chloroform			50.0	47.2		ug/L		94	76 - 128	10	30
Chloromethane			50.0	40.5		ug/L		81	47 - 151	9	30
cis-1,2-Dichloroethene			50.0	47.1		ug/L		94	78 - 127	11	30
cis-1,3-Dichloropropene			50.0	54.2		ug/L		108	73 - 128	9	30
Dichlorobromomethane			50.0	45.9		ug/L		92	72 - 129	16	30
Ethylbenzene			50.0	48.6		ug/L		97	78 - 125	6	30
Methylene Chloride			50.0	59.5		ug/L		119	79 - 124	3	30
Styrene			50.0	51.1		ug/L		102	75 - 129	9	30
Tetrachloroethene			50.0	47.7		ug/L		95	77 - 128	14	30
Toluene			50.0	50.1		ug/L		100	77 - 125	14	30
trans-1,2-Dichloroethene			50.0	43.6		ug/L		87	78 - 130	11	30
trans-1,3-Dichloropropene			50.0	54.3		ug/L		109	72 - 127	7	50
Trichloroethene			50.0	48.9		ug/L		98	80 - 120	7	30
Vinyl chloride			50.0	42.5		ug/L		85	58 - 141	22	30
Xylenes, Total			100	99.1		ug/L		99	80 - 124	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*

QC Association Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

GC/MS VOA

Analysis Batch: 360958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107535-1	Trip Blank	Total/NA	Water	8260B	
680-107535-2	MW-22A	Total/NA	Water	8260B	
680-107535-3	MW-22B	Total/NA	Water	8260B	
680-107535-4	MW-21C	Total/NA	Water	8260B	
680-107535-5	MW-21B	Total/NA	Water	8260B	
680-107535-7	MW-19D	Total/NA	Water	8260B	
LCS 680-360958/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-360958/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-360958/10	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 361167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107535-6	MW-19A	Total/NA	Water	8260B	
680-107535-9	MW-19B	Total/NA	Water	8260B	
680-107535-11	Field Blank-1	Total/NA	Water	8260B	
LCS 680-361167/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-361167/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-361167/10	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 361179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107535-6	MW-19A	Total/NA	Water	8260B	
680-107535-8	MW-19C	Total/NA	Water	8260B	
680-107535-10	Dup-1	Total/NA	Water	8260B	
LCS 680-361179/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-361179/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-361179/9	Method Blank	Total/NA	Water	8260B	

Client Sample ID: Trip Blank — Lab Sample ID: 680-107535-1

Date Collected: 11/19/14 11:00 — **Matrix: Water**
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	360958	11/30/14 16:43	TF1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-22A — Lab Sample ID: 680-107535-2

Date Collected: 11/19/14 11:33 — **Matrix: Water**
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	360958	11/30/14 17:06	TF1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-22B — Lab Sample ID: 680-107535-3

Date Collected: 11/19/14 12:07 — **Matrix: Water**
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	360958	11/30/14 17:28	TF1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-21C — Lab Sample ID: 680-107535-4

Date Collected: 11/19/14 13:53 — **Matrix: Water**
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	360958	11/30/14 17:51	TF1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-21B — Lab Sample ID: 680-107535-5

Date Collected: 11/19/14 13:40 — **Matrix: Water**
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	360958	11/30/14 18:14	TF1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-19A — Lab Sample ID: 680-107535-6

Date Collected: 11/19/14 16:22 — **Matrix: Water**
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	361167	12/02/14 05:50	TF1	TAL SAV
	Instrument ID: CMSAA									

Lab Chronicle

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

Client Sample ID: MW-19A
Lab Sample ID: 680-107535-6
Date Collected: 11/19/14 16:22
Matrix: Water
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	361179	12/02/14 15:44	MMT	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-19D
Lab Sample ID: 680-107535-7
Date Collected: 11/19/14 16:14
Matrix: Water
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	360958	11/30/14 18:59	TF1	TAL SAV
	Instrument ID: CMSO2									

Client Sample ID: MW-19C
Lab Sample ID: 680-107535-8
Date Collected: 11/19/14 17:29
Matrix: Water
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	361179	12/02/14 16:07	MMT	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: MW-19B
Lab Sample ID: 680-107535-9
Date Collected: 11/19/14 18:07
Matrix: Water
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	361167	12/02/14 06:12	TF1	TAL SAV
	Instrument ID: CMSAA									

Client Sample ID: Dup-1
Lab Sample ID: 680-107535-10
Date Collected: 11/19/14 00:00
Matrix: Water
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	361179	12/02/14 16:29	MMT	TAL SAV
	Instrument ID: CMSP2									

Client Sample ID: Field Blank-1
Lab Sample ID: 680-107535-11
Date Collected: 11/19/14 14:30
Matrix: Water
Date Received: 11/21/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	361167	12/02/14 00:11	TF1	TAL SAV
	Instrument ID: CMSAA									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 61879

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Ashland Alterman		GA
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Jerry Lanier		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Michelle Staybrook		
CLIENT NAME	CLIENT E-MAIL	
EHS Support		
CLIENT ADDRESS		
4694 Cemetery Rd PMB 104 Hilliard Ohio 43026		
COMPANY CONTRACTING THIS WORK (if applicable)		
Antea Group		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ( )
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) (•)
DATE DUE 12/4/14
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) *INDICATE*; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS — 8260B; PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMP (G)	AQUEOUS	SOLID	AIR	NONAQ	NUMBER OF CONTAINERS SUBMITTED	REMARKS
11/19/14	1100	Trip Blank						3	
11/19/14	1133	MW-22A	G	X				3	
11/19/14	1207	MW-22B	G	X				3	
11/19/14	1353	MW-21C	G	X				3	
11/19/14	1340	MW-21B	G	X				3	
11/19/14	1622	MW-19A	G	X				3	
11/19/14	1614	MW-19D	G	X				3	
11/19/14	1729	MW-19C	G	X				3	
11/19/14	1807	MW-19B	G	X				3	
11/19/14	0000	Dup-1	G	X				3	
11/19/14	1430	field Blank-01	G	X				3	

680-107535 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Eddie Q Jacobs	11/20/14	1000		11/20/14	11:30			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	11/20/14	10:30						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	11/21/14	1000	YES ( ) NO ( )		680-107535	0.4/0.1°C

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: EHS Support, LLC

Job Number: 680-107535-1

Login Number: 107535

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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	

Certification Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-107535-1

Laboratory: TestAmerica Savannah

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

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-15
Arkansas DEQ	State Program	6	88-0692	01-31-15
California	NELAP	9	3217CA	07-31-14 *
Colorado	State Program	8	N/A	12-31-14 *
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-15
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15
Guam	State Program	9	09-005r	04-16-15
Hawaii	State Program	9	N/A	06-30-15
Illinois	NELAP	5	200022	11-30-14 *
Indiana	State Program	5	N/A	06-30-15
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-14 *
Kentucky (UST)	State Program	4	18	06-30-15
Louisiana	NELAP	6	30690	06-30-15
Louisiana (DW)	NELAP	6	LA140023	12-31-14 *
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-14 *
Massachusetts	State Program	1	M-GA006	06-30-15
Michigan	State Program	5	9925	06-30-15
Mississippi	State Program	4	N/A	06-30-15
Montana	State Program	8	CERT0081	01-01-15 *
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15
New Jersey	NELAP	2	GA769	06-30-15
New Mexico	State Program	6	N/A	06-30-15
New York	NELAP	2	10842	03-31-15
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-14 *
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15
Puerto Rico	State Program	2	GA00006	12-31-14 *
South Carolina	State Program	4	98001	06-30-15
Tennessee	State Program	4	TN02961	06-30-15
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-15
Washington	State Program	10	C805	06-10-15
West Virginia (DW)	State Program	3	9950C	12-31-14 *
West Virginia DEP	State Program	3	94	06-30-15
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15

* Certification renewal pending - certification considered valid.

ATTACHMENT D
Draft Environmental Covenant

After Recording, Please Return to: .

King & Spalding LLP
1180 Peachtree Street, N.E.
Atlanta, Georgia 30309-3521
Attention: Amelia S. Magee, Esq.

Cross Reference: Deed Book 09320, Page 00519, Clayton County, Georgia Records

Environmental Covenant

This instrument is an Environmental Covenant executed pursuant to the Georgia Uniform Environmental Covenants Act, OCGA § 44-16-1, *et seq.* This Environmental Covenant subjects the Property identified below to the activity and/or use limitations specified in this document. The effective date of this Environmental Covenant shall be the date upon which the fully executed Environmental Covenant has been recorded in accordance with OCGA § 44-16-8(a).

Fee Owner of Property/Grantor:
Tara Retail Holdings LLC
c/o Eric J. Nathan, Manager
Weener & Nathan LLP
5887 Glenridge Drive, NE, Suite 275
Atlanta, Georgia 30328

Grantee/Holder:
Ashland Inc.
c/o Richmond L. Williams
Chief Counsel, Environmental Litigation
Ashland Inc.
1313 N. Market Street
Wilmington, DE 19894

Grantee/Entity with express power to enforce:
State of Georgia
Department of Natural Resources
Environmental Protection Division
2 Martin Luther King Jr. Drive, SE
Suite 1456 East Tower
Atlanta, GA 30334

Property:

The property subject to this Environmental Covenant is the Tara Shopping Center, located on 8600 Tara Boulevard in Jonesboro, Clayton County, Georgia (hereinafter "Property"). This tract of land was conveyed on December 11, 2007 from Alterman Enterprises, LLC to Tara Retail Holdings LLC as recorded in Deed Book 09320, Page 00519, Clayton County Records. The area is located in Land Lot 111 of the 4th District of Clayton County, Georgia, consisting of 6.940 acres of commercial retail. A complete legal description of the Property is attached as Exhibit A and a map of the Property is attached as Exhibit B. The location of corrective action for soil at the Property is designated as the "Type 5 area" with land use and activity restrictions subject to this Environmental Covenant. A complete legal description of the Type 5 area is attached as Exhibit C and a map of the Type 5 Soil Restricted Use Area, inclusive of a twenty foot buffer, is attached as Exhibit D.

Tax Parcel Number(s):

Tax Parcel: 13242D B001 of Clayton County, Georgia

Name and Location of Administrative Records:

The corrective action at the Property that is the subject of this Environmental Covenant is described in the following documents:

- Voluntary Investigation and Remediation Plan and Application, dated January 2012
- Soil Remediation Completion Report, dated March 14, 2014
- Monitoring and Maintenance Plan, October 2014

These documents are available at the following location[s] in the file for HSI 10798:

Georgia Environmental Protection Division
Response and Remediation Program
2 Martin Luther King Jr. Drive, SE, Suite 1054 East Tower
Atlanta, GA 30334
M-F 8:00 AM to 4:30 PM excluding state holidays

Description of Contamination and Corrective Action:

This Property has been listed on the state's hazardous site inventory and has been designated as needing corrective action due to the presence of hazardous wastes, hazardous constituents, or hazardous substances regulated under state law. Contact the property owner or the Georgia Environmental Protection Division for further information concerning this Property. This notice is provided in compliance with the Georgia Hazardous Site Response Act.

This Environmental Covenant is made pursuant to the Georgia Uniform Environmental Covenants Act, O.C.G.A. § 44-16-1 *et seq*. by Tara Retail Holdings LLC, its successors and assigns, Ashland Inc., and the State of Georgia, Department of Natural Resources, Environmental Protection Division, (hereafter "EPD"), its successors and assigns. This Environmental Covenant is required because of a release of perchloroethene (a drycleaner solvent) on the Property (also commonly referred to as Tetrachloroethene). Trichloroethene, cis-1,2-dichloroethene, and vinyl chloride, are degradation compounds of perchloroethene and are also present on the Property. Perchloroethene, trichloroethene, cis-1,2-dichloroethene, and vinyl chloride are "regulated substances" as defined under the Georgia Hazardous Site Response Act, O.C.G.A. § 12-8-90 *et seq.*, and the rules promulgated thereunder (hereinafter "HSRA" and "Rules", respectively). The Corrective Action to protect human health and the environment at the Property consists of the

installation and maintenance of engineering controls in the Type 5 area (i.e., monolith and asphalt cap) and establishment of institutional controls to limit land use to non-residential and restrict groundwater use beneath the entire Property.

Grantor, Tara Retail Holdings LLC (hereinafter "Tara Retail"), hereby binds Grantor, its successors and assigns to the activity and use restriction(s) for the Property identified herein and grants such other rights under this Environmental Covenant in favor of Ashland Inc. and EPD. EPD shall have full right of enforcement of the rights conveyed under this Environmental Covenant pursuant to HSRA, O.C.G.A. § 12-8-90 *et seq*., and the rules promulgated thereunder. Failure to timely enforce compliance with this Environmental Covenant or the use or activity limitations contained herein by any person shall not bar subsequent enforcement by such person and shall not be deemed a waiver of the person's right to take action to enforce any non-compliance. Nothing in this Environmental Covenant shall restrict EPD from exercising any authority under applicable law.

Tara Retail makes the following declarations as to limitations, restrictions, and uses to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, pursuant to O.C.G.A. § 44-16-5(a); are perpetual, unless modified or terminated pursuant to the terms of this Environmental Covenant pursuant to O.C.G.A. § 44-16-9 and 10; and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property (hereinafter "Owner"). Should a transfer or sale of the Property occur before such time as this Environmental Covenant has been amended or revoked then said Environmental Covenant shall be binding on the transferee(s) or purchaser(s).

The Environmental Covenant shall inure to the benefit of Ashland Inc., EPD, Tara Retail and their respective successors and assigns and shall be enforceable by the Director of EPD or his agents or assigns, Ashland Inc. or its successors and assigns, Tara Retail or its successors and assigns, and other party(ies) as provided for in O.C.G.A. § 44-16-11 in a court of competent jurisdiction.

Activity and/or Use Limitation(s)

1. Registry. Pursuant to O.C.G.A. §§ 44-16-12, this Environmental Covenant and any amendment or termination thereof, may be contained in EPD's registry for environmental covenants.

2. Notice. The Owner of the Property must give thirty (30) day advance written notice to EPD of the Owner's intent to convey any interest in the Property. No conveyance of title, easement, lease, or other interest in the Property shall be consummated by the Owner without adequate and complete provision for continued monitoring, operation, and maintenance of the Corrective Action. The Owner of the Property must also give thirty (30) day advance written notice to EPD of the Owner's intent to change the use of the Property, apply for building permit(s), or propose any site work that would affect the Property.

3. Notice of Limitation in Future Conveyances. Each instrument hereafter conveying an interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitations set forth in this Environmental Covenant and shall provide the recorded location of the Environmental Covenant.

4. Monitoring. Routine inspection and maintenance activities are detailed in the Monitoring and Maintenance Plan dated XX and must be implemented to ensure the integrity of the engineering controls established to protect human health and the environment. The groundwater monitoring

program detailed in the Monitoring and Maintenance Plan will be implemented to monitor the effectiveness of Corrective Action at the Property.

5. Periodic Reporting. Annually, by no later than June 15th following the effective date of this Environmental Covenant, the Owner shall submit to EPD an Annual Report as specified in the Maintenance and Monitoring Plan including, but not limited to maintenance and inspection activities, certification of non-residential use of the Property, and documentation stating whether or not the activity and use limitations at the Property comply with this Environmental Covenant.

6. Activity and Use Limitation(s). The Property shall be used only for non-residential uses, as defined in Section 391-3-19-.02 of the Rules and defined in and allowed under the Clayton County's zoning regulations as of the date of this Environmental Covenant. Any residential use on the Property shall be prohibited. Any activity on the Property that may result in the release or exposure to the regulated substances that were contained as part of the Corrective Action, or create a new exposure pathway, is prohibited. With the exception of work necessary for the maintenance, repair, or replacement of engineering controls, or as otherwise approved by EPD, activities that are prohibited in the Type 5 Soil Restricted Use Area shown in Exhibit D include but are not limited to the following: drilling, digging, placement of any objects or use of any equipment which deforms or stresses the surface beyond its load bearing capability, piercing the surface with a rod, spike or similar item, bulldozing or earthwork, without prior express written approval from both Ashland Inc. and EPD.

   Groundwater Limitation. The use or extraction of groundwater from all underlying groundwater systems beneath the Property for drinking water or for any other non-remedial purposes shall be prohibited until HSRA regulated substances are treated to below the applicable RRS for groundwater. Any extracted groundwater from construction or utility work dewatering activities should be managed and disposed of in accordance with applicable rules and regulations. Should any dewatering of groundwater for construction or utility work purposes be necessary-extracted groundwater should not be discharged into the storm water system or surface waters. All management of impacted groundwater should be done in accordance with all applicable local, state and federal rules and regulations governing the management of such material. Prior to conducting construction or subsurface utility work that may result in exposure to groundwater, a worker must have appropriate HAZWOPER training per OSHA's Hazardous Waste Operations and Emergency Response Standard 29 CFR 1910.120, and perform the work in accordance with a Health and Safety Plan prepared by a qualified safety professional. All management of impacted soil or groundwater performed in the execution of work should be done in accordance with this section.

   Building Modification/New Construction: The Property shall be used only for non-residential uses, as defined in Section 391-3-19-.02 of the Rules and defined in and permitted under the Clayton County's zoning regulations as of the date of this Environmental Covenant. New building construction, or modifications to existing building structures that result in the potential for vapor intrusion, must include mechanisms which eliminate the potential for vapor intrusion of constituents identified in this Environmental Covenant (e.g., sub-slab membrane, passive and/or active ventilation systems).

7. Permanent Markers. Permanent marker adjacent to the Type 5 area shall be installed and maintained that delineate the restricted area as specified in Section 391-3-19-.07(10) of the Rules. Disturbance or removal of such markers is prohibited.

8. Right of Access. In addition to any rights already possessed by EPD and/or the Ashland Inc., the Owner shall allow authorized representatives of EPD and/or Ashland Inc. the right to enter the Property at reasonable times for the purpose of evaluating the Corrective Action; to take samples, to inspect the Corrective Action conducted at the Property, to determine compliance with this Environmental Covenant, and to inspect records that are related to the Corrective Action.

9. Recording of Environmental Covenant and Proof of Notification. Within thirty (30) days after the date of the Director's signature, the Owner shall file this Environmental Covenant with the Recorders of Deeds for each County in which the Property is located, and send a file stamped copy of this Environmental Covenant to EPD within thirty (30) days of recording. Within that time period, the Owner shall also send a file-stamped copy to each of the following: (1) Ashland Inc., (2) each person holding a recorded interest in the Property subject to the covenant, (3) each person in possession of the real property subject to the covenant, (4) each municipality, county, consolidated government, or other unit of local government in which real property subject to the covenant is located, and (5) each owner in fee simple whose property abuts the property subject to the Environmental Covenant.

10. Termination or Modification. The Environmental Covenant shall remain in full force and effect in accordance with O.C.G.A. § 44-5-60, unless and until the Director determines that the Property is in compliance with the Type 1, 2, 3, or 4 Risk Reduction Standards, as defined in Section 391-3-19-.07, whereupon the Environmental Covenant may be amended or revoked in accordance with Section 391-3-19-08(7) of the Rules and O.C.G.A. § 44-16-1 *et seq*.

11. Severability. If any provision of this Environmental Covenant is found to be unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired.

12. No EPD Interest in Property Created. This Environmental Covenant does not in any way create any interest by EPD in the Property that is subject to the Environmental Covenant. Furthermore, the act of approving this Environmental Covenant does not in any way create any interest by EPD in the Property in accordance with O.C.G.A. § 44-16-3(b).

Representations and Warranties.

Grantor hereby represents and warrants to the other signatories hereto:

a) That the Grantor has the power and authority to enter into this Environmental Covenant, to grant the rights and interests herein provided and to carry out all obligations hereunder;
b) That the Grantor is the sole owner of the Property and holds fee simple title which is free, clear and unencumbered;
c) That the Grantor has identified all other parties that hold any interest (e.g., encumbrance) in the Property and notified such parties of the Grantor's intention to enter into this Environmental Covenant;
d) That this Environmental Covenant will not materially violate, contravene, or constitute a material default under any other agreement, document or instrument to which Grantor is a party, by which Grantor may be bound or affected;
e) That the Grantor has served each of the people or entities referenced in Activity 10 above with an identical copy of this Environmental Covenant in accordance with O.C.G.A. § 44-16-4(d).
f) That this Environmental Covenant will not materially violate or contravene any zoning law or other law regulating use of the Property; and
g) That this Environmental Covenant does not authorize a use of the Property that is otherwise prohibited by a recorded instrument that has priority over the Environmental Covenant.

Notices.

Any document or communication required to be sent pursuant to the terms of this Environmental Covenant shall be sent to the following persons:

Georgia Environmental Protection Division
Branch Chief
Land Protection Branch
2 Martin Luther King Jr. Drive SE
Suite 1054 East Tower
Atlanta, Georgia 30334

Tara Retail Holdings LLC
c/o Eric J. Nathan, Manager
Weener & Nathan LLP
5887 Glenridge Drive, NE, Suite 275
Atlanta, Georgia 30328

Ashland Inc.
c/o Richmond L. Williams
Chief Counsel, Environmental Litigation
Ashland Inc.
1313 N. Market Street
Wilmington, DE 19894

Grantor has caused this Environmental Covenant to be executed pursuant to The Georgia Uniform Environmental Covenants Act, on the _____ day of _____, 20___.

Signed, sealed, and delivered in the presence of:

_____
Unofficial Witness (*Signature*)

_____
Unofficial Witness Name (*Print*)

_____

_____
Unofficial Witness Address (*Print*)

_____
Notary Public (*Signature*)

My Commission Expires:_____

For the Grantor:

_____
Name of Grantor (*Print*)

_____ (Seal)
Grantor's Authorized Representative (*Signature*)

_____
Authorized Representative Name (*Print*)

_____
Title of Authorized Representative (*Print*)

Dated:_____
(NOTARY SEAL)

Signed, sealed, and delivered in the presence of:

For the State of Georgia
Environmental Protection Division:

_____ (Seal)
Unofficial Witness *(Signature)*

(Signature)

Unofficial Witness Name (*Print*)

Judson H. Turner
Director

Dated:_____

Unofficial Witness Address (*Print*)

(NOTARY SEAL)

Notary Public *(Signature)*

My Commission Expires:_____

Signed, sealed, and delivered in the presence of:

For the Holder :

Unofficial Witness (*Signature*)

Name of Holder (*Print*)

_____ (Seal)
Unofficial Witness Name (*Print*)

Holder's Authorized Representative (*Signature*)

Authorized Representative Name (*Print*)

Unofficial Witness Address (*Print*)

Title of Authorized Representative (*Print*)

Notary Public (*Signature*)

Dated:_____

My Commission Expires:_____

(NOTARY SEAL)

Exhibit A

Legal Description of Property

Exhibit A
Legal Description

TARA

MAIN TRACT

All that tract or parcel of land lying and being in Land Lots 241-242 of the 13th District of Clayton County, Georgia, as per plat of W. R. Franks, Land Surveyor, dated February 28, 1966, revised Febcuary 21, 1967, being more particularly described as follows:

BEGINNING at the intersection formed by the southerly side of the right of way of Smith Street with the easterly side of the right of way of the South Expressway; running thence south along the easterly side of the right of way of the south Expressway 1243.5 feet to an iron pin and the property now or formerly leased to Pure Oil Company; running thence southeasterly along said property line 145.8 feet to an iron pin located on the westerly side of the right of way of Georgia State Highway #54; running thence northeasterly along the westerly side of the right of way of Georgia State Highway #54, 1166.9 feet to an iron pin; running thence west at an interior angle of 77 degrees 38 minutes with the last mentioned call 100 feet to an iron pin; running thence north 181.8 feet to an iron pin located on the southerly side of the right of way of Smith Street; running thence west along the southerly side of the right of way of Smith Street 538.7 feet to the point where the southerly side of the right of way of Smith Street intersects the easterly side of the right of way of the South Expressway and the POINT OF BEGINNING. Said tract containing an aggregate of 9.29 acres according to the above plat.

TARA
WILLIS TRACT

All that tract or parcel of land lying and being in Land Lot 241, of the 13th District, of Clayton County, Georgia, and being more particularly described as follows:

BEGIN at an iron pin on the westerly side of Fayetteville Road (Georgia State Highway #54) 107.9 feet south of the intersection of the westerly side of Fayetteville Road and the southerly side of Smith Street, as measured along the westerly side of Fayetteville Road; run thence south along the westerly side of Fayetteville Road a distance of 65.00 feet to an iron pin; run thence southwest a distance of 95.00 feet to an iron pin; run thence north 01 degrees 15 minutes west forming an interior angle of 68 degrees 41 minutes with the preceding course a distance of 65.00 feet to an iron pin; run thence northeast a distance of 105.00 feet to an iron pin on the westerly side of Fayetteville Road and the Point of Beginning; being more fully shown on survey prepared by Eston Pendley & Associates, Inc., dated December 18, 1984.

This deed is given subject to all easements and restrictive covenants of record.

[LEGAL CONTINUES ON FOLLOWING PAGE]

[CONTINUATION OF TARA LEGAL DESCRIPTION]

TOGETHER WITH:

TARA
COGGLES TRACT

All that tract or parcel of land lying and being in Land Lot 241, of the 13th District, of Clayton County, Georgia, and being more particularly described as follows:

BEGIN at an iron pin at the intersection of the southerly side of Smith Street and the westerly side of Fayetteville Road (Georgia State Highway #54); run thence South along the westerly side of Fayetteville Road a distance of 107.90 feet to an iron pin; run thence South 69 degrees 24 minutes West a distance of 131.38 feet to an iron pin; run thence North along the westerly line of Land Lot 241 forming an interior angle of 74 degrees 18 minutes with the preceding course a distance of 140.80 feet to an iron pin on the southerly side of Smith Street; run thence east along the southerly side of Smith Street a distance of 151.98 feet to an iron pin and the Point of Beginning; being more fully shown on survey prepared by Eston Pendley & Assoc., Inc., dated December 18, 1984.

This deed is given subject to all easements and restrictive covenants of record.

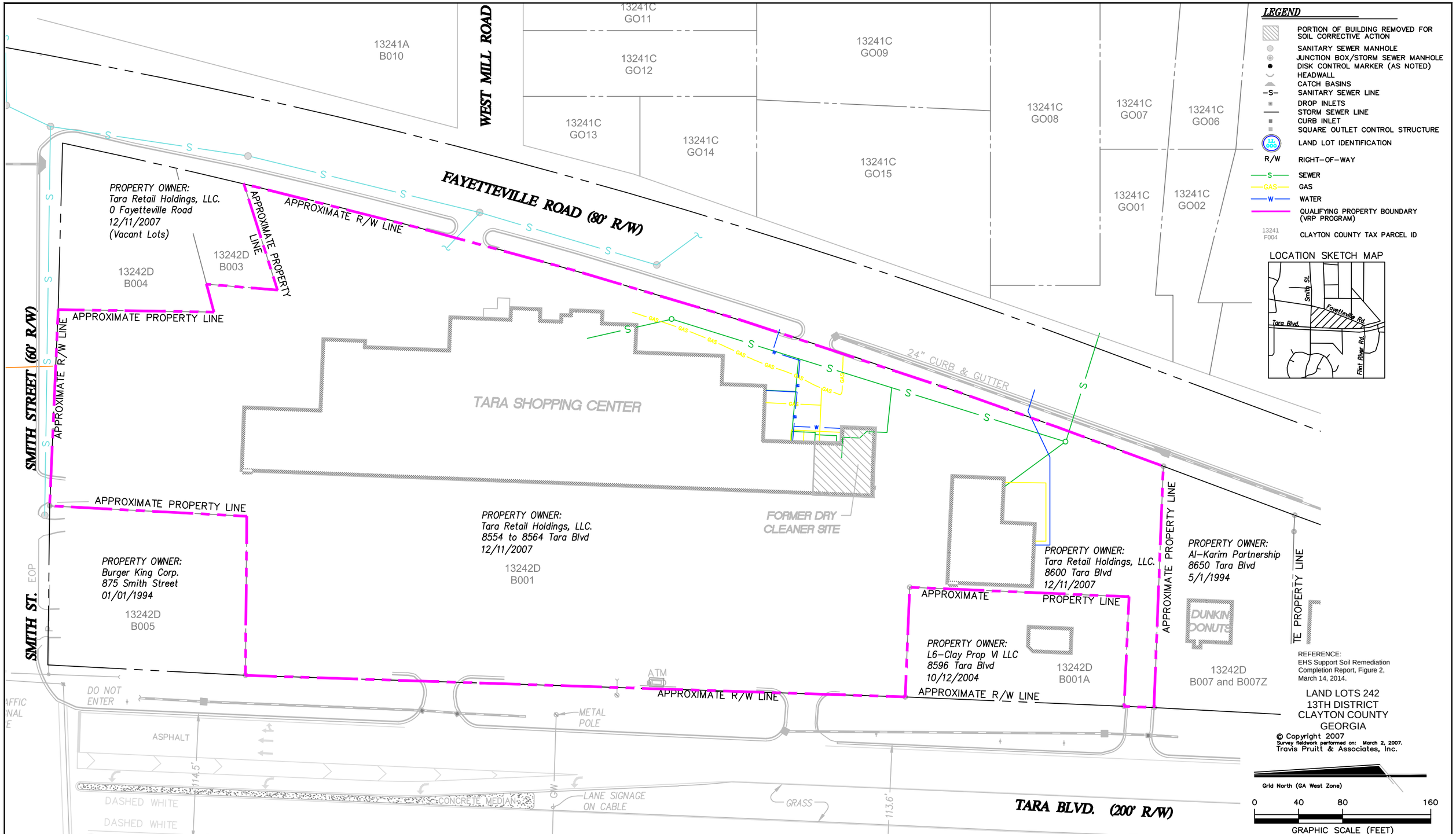
LESS AND EXCEPT any portion(s) of the above-described property that was conveyed to third parties by Grantor or Grantor's predecessor(s) in title.

This is the same property described in that certain Limited Warranty Deed from Alterman Enterprises, LLC to Tara Retail Holdings LLC and recorded at Book 9320, Page 519, Clayton County, Georgia records.

[END OF LEGAL DESCRIPTION]

Exhibit B

Property Map



EHS Support *consider it done*

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA SHOPPING CENTER
8600 TARA BOULEVARD
JONESBORO, GEORGIA
HSI # 10796

EXHIBIT B-1
SITE PLAN

Drawn By:	MDO	Date Drawn:	07/2014
Reviewed By:	MSS	Date Reviewed:	07/2014
Scale:	1" = 80'	Plot Date:	07/2014
Project Number:	C00342-2014		

Exhibit C

Legal Description of Type 5 Area

DESCRIPTION OF

Type 5 Soil Restricted Use Area

All that tract or parcel of land lying and being in Land Lot 242 of the 13rd District, City of Jonesboro, Clayton County, Georgia and being more particularly described as follows:

COMMENCING at an iron pin set at the intersection of the southerly Right of Way of Smith Street (60' R/W) and the westerly Right of Way of Fayetteville Road aka State Route 54 (80' R/W); THENCE running along Fayetteville Road aka State Route 54 (80' R/W) a curve to the right with a radius of 5,689.62 feet and an arc length of 761.22 feet, said curve having a chord bearing of South 14 degrees 41 minutes 02 seconds West and a chord distance of 760.65 feet to a point, said point being the **TRUE POINT OF BEGINNING.**

THENCE from said **TRUE POINT OF BEGINNING** and continuing along said Right of Way a curve to the right with a radius of 5,689.62 feet and an arc length of 141.81 feet, said curve having a chord bearing of South 19 degrees 13 minutes 51 seconds West and a chord distance of 141.80 feet to a point; THENCE leaving said Right of Way North 44 degrees 09 minutes 46 seconds West a distance of 94.04 feet to a point; THENCE North 38 degrees 58 minutes 39 seconds West a distance of 58.30 feet to a point; THENCE North 20 degrees 28 minutes 06 seconds East a distance of 65.77 feet to a point; THENCE South 76 degrees 51 minutes 10 seconds East a distance of 93.47 feet to a point; THENCE South 61 degrees 05 minutes 57 seconds East a distance of 39.84 feet to a point on the westerly Right of Way of Fayetteville Road aka State Route 54 (80' R/W), said point being the **TRUE POINT OF BEGINNING.** Said tract contains 14,614 square feet or 0.34 acres.

Together with a 20 foot wide buffer surrounding said property and being more particularly described as follows:

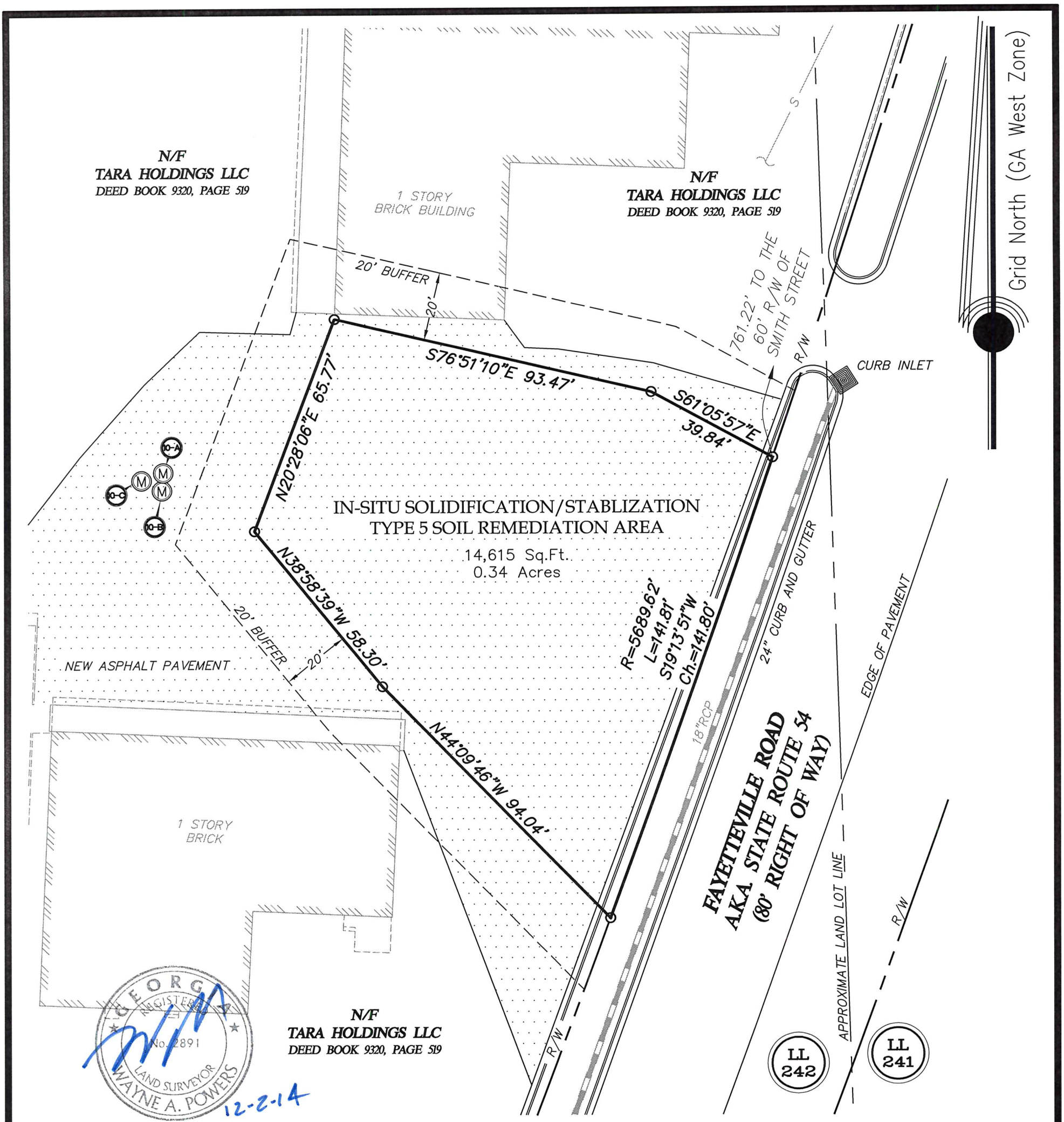
COMMENCING at an iron pin set at the intersection of the southerly Right of Way of Smith Street (60' R/W) and the westerly Right of Way of Fayetteville Road aka State Route 54 (80' R/W); THENCE running along Fayetteville Road aka State Route 54 (80' R/W) a curve to the right with a radius of 5,689.62 feet and an arc length of 740.88 feet, said curve having a chord bearing of South 14 degrees 34 minutes 53 seconds West and a chord distance of 740.36 feet to a point, said point being the **TRUE POINT OF BEGINNING.**

THENCE from said **TRUE POINT OF BEGINNING** and continuing along said Right of Way a curve to the right with a radius of 5689.62 feet and an arc length of 20.34 feet, said curve having a chord bearing of South 18 degrees 24 minutes 52 seconds West and a chord distance of 20.34 feet to a point; THENCE leaving said Right of Way North 61 degrees 05 minutes 57

seconds West a distance of 39.84 feet to a point; THENCE North 76 degrees 51 minutes 10 seconds West a distance of 93.47 feet to a point; THENCE South 20 degrees 28 minutes 06 seconds West a distance of 65.77 feet to a point; THENCE South 38 degrees 58 minutes 39 seconds East a distance of 58.30 feet to a point; THENCE South 44 degrees 09 minutes 46 seconds East a distance of 94.04 feet to a point on the westerly Right of Way of Fayetteville Road aka State Route 54 (80' R/W); THENCE running along said Right of Way a curve to the right with a radius of 5689.62 feet and an arc length of 22.21 feet, said curve having a chord bearing of South 20 degrees 03 minutes 24 seconds West and a chord distance of 22.21 feet to a point; THENCE leaving said Right of Way and running North 44 degrees 09 minutes 46 seconds West a distance of 104.61 feet to a point; THENCE North 38 degrees 58 minutes 39 seconds West a distance of 70.62 feet to a point; THENCE North 20 degrees 28 minutes 06 seconds East a distance of 94.79 feet to a point; THENCE South 76 degrees 51 minutes 10 seconds East a distance of 113.83 feet to a point; THENCE South 61 degrees 05 minutes 57 seconds East a distance of 38.90 feet to a point on the westerly Right of Way of Fayetteville Road aka State Route 54 (80' R/W), said point being the **TRUE POINT OF BEGINNING.** Said buffer contains 7,742 square feet or 0.18 acre.

Exhibit D

Type 5 Soil Restricted Use Area Map



LEGEND

- LL 242 — LAND LOT IDENTIFICATION
- 7-B — MONITORING WELL IDENTIFICATION
- (M) — MONITORING WELL (MW)
- SANITARY SEWER MANHOLE
- CLEAN OUT
- DROP INLET
- HEADWALL
- A.K.A. — ALSO KNOWN AS
- ---S--- SANITARY SEWER LINE
- STORM SEWER LINE
- NEW ASPHALT PAVING

TYPE 5 SOIL RESTRICTED USE AREA

- ——— TYPE 5 BOUNDARY LIMITS
- - - - - - - 20' BUFFER

The survey shown hereon was prepared without benefit of any abstract of title; therefore, Wayne A. Powers and Travis Pruitt & Associates, Inc. make no guarantees or representations regarding information shown hereon pertaining to easements, rights of way, setback lines, agreements, reservations, and other similar matters.

Survey References:

1. ALTA/ACSM Land Title Survey for Yukon Properties, LLC, and Chicago Title Insurance Company prepared by Travis Pruitt & Associates, Inc., dated March 7, 2007. (FN: 206-E-046)

Certification:

This is to certify that this survey was made under my supervision and is a true representation of the land surveyed. The field data upon which this survey is based has a closure precision of one foot in 10,000± feet, and an angular error of 1" per angle point, and was adjusted using the least squares method. Angular and linear measurements were made using a Trimble 5603 Robotic Total Station.

12-2-14

Wayne A. Powers — Date
Georgia Reg. Land Surveyor No. 2891
For the Firm Travis Pruitt & Associates, Inc.

This map or plat has been calculated for closure and is found to be accurate within one foot in 149,463 feet.

Pursuant to Rule 180-6.09 of the Georgia State Board of Registration for Professional Engineers and Land Surveyors, the term "certify" or "certification" relating to land surveying services shall mean a signed statement based on facts and knowledge known to the land surveyor and is not a guarantee or warranty, either expressed or implied.

REVISIONS			
6			
5			
4			
3			
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1			
0	12/2/2014	REVISE PER CLIENT COMMENTS	BS

BOUNDARY SURVEY

SOIL RESTRICTED USE AREA
8564 TARA BOULEVARD

AUTHORIZED BY EHS SUPPORT INC

LAND LOT 242 ~ 13TH DISTRICT
CITY OF JONESBORO, CLAYTON COUNTY, GEORGIA

15 0 30 60 90
GRAPHIC SCALE – IN FEET

Travis Pruitt & Associates, Inc.
(ENGINEERS · SURVEYORS · LANDSCAPE ARCHITECTS · ENVIRONMENTAL SCIENTISTS)
4317 Park Drive, Suite 400
Norcross, Georgia 30093
Phone: (770)416-7511
Fax: (770)416-6759
www.travispruitt.com
Certificate of
Authorizaton Number 613

PLAT DATE:	11/25/2014
FIELD DATE:	11/12/2014
SCALE:	1"=30'
JN:	140402.604MS
FN:	101-B-976
DRAWN BY:	BS
Sheet No.	1 of 1

D:\Civil 3D Projects\140402.604\Survey\Dwg\140402.604MS.dwg , 11x17, BSpraggins, Dec. 2, 14-9:43:37 AM, 1:2.5849

DRAFT MONITORING AND MAINTENANCE PLAN

Tara Shopping Center
8600 Tara Boulevard
Jonesboro, Clayton County, Georgia
Tax Parcel 13242D B001

Former Dry Cleaner Site
HSI# 10798

Prepared For:

Weener & Nathan LLP
5887 Glenridge Drive, NE, Suite 275
Atlanta, Georgia 30328
Tara Retail Holdings LLC

Ashland Inc.
5200 Blazer Parkway
Dublin, Ohio 43017

Prepared By:

EHS Support
consider it done

December 2014

TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 INTRODUCTION

This Monitoring and Maintenance (M&M) plan is prepared for the Tara Shopping Center identified at 8600 Tara Boulevard, Jonesboro, Clayton County, Georgia (the Property). The Property was included on the Georgia Environmental Protection Division's (EPD) Hazardous Site Inventory (HSI) as #10798 in 2004 for suspected releases on the Property from former on-site dry cleaning operations. A Site Plan, identifying the location of former dry cleaners, is provided as **Figure 1.**

In 2013, remediation activities were completed to immobilize sources of volatile organic compounds (VOCs) in soil at concentrations above the State of Georgia Type 1 Risk Reduction Standards (RRSs) as a result of releases from former dry cleaner operations. Soil remediation was completed to meet Type 5 RRSs. Engineering controls in the form of an asphalt cap and concrete cover are designed to maintain the integrity of existing monolith (i.e., Treatment Area) as well as address peripheral soil exceeding Type 1 RRS that was not accessible during remediation work due to restrictions associated with building structure set-backs and sub-surface utilities (i.e., Buffer Area). The engineering controls associated with the Type 5 soil restricted use area are depicted on **Figure 2**.

Groundwater monitoring wells at the Property were initially installed to identify the nature and extent of groundwater impacts from dry cleaners operations. Analytical data collected from monitoring wells will be used to assess the effectiveness of the soil remediation activities by monitoring changes in concentrations overtime. This performance monitoring is considered an engineering control for the Property. Monitoring well locations are depicted on **Figure 2**.

The Property is subject to an environmental covenant included in **Appendix A**. The Property owner (Owner) shall implement this M&M Plan consistent with that environmental covenant.

1.1 Property Description

The Tara Shopping Center is comprised of two multi-tenant commercial buildings and surrounding asphalt parking areas to the west. Dry cleaning operations were conducted between 1970 and 2005 (35 years) by a tenant in the southernmost, west facing unit (8564 Tara Boulevard). The primary constituents of concern (COCs) associated with the former dry cleaning operations and releases at the Property are tetrachlorothene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride. Tetracholorethene, TCE, cis-1,2-DCE and vinyl chloride were identified in soil and groundwater above their respective Type 1 RRSs.

1.2 Remedy Selection

In-Situ Solidification/Stabilization was implemented in July 2013 to immobilize VOCs present in unsaturated and saturated soil at the Property. Solidification/Stabilization includes processes that mix inorganic cementitious reagents into affected material to transform the material into a durable, solid, low–hydraulic conductivity material that reduces the rate of contaminant migration through leaching. The resulting area of solid material is known as a monolith.

1.3 Treatment and Buffer Areas

The total volume of soil treated in place was approximately 13,215 cubic yards. The area of treatment is located immediately south of the west facing building structure (beneath the former dry cleaner and nail salon which were removed during treatment) extending, south toward the north facing outbuilding, east to the curb line, and west toward monitoring well MW-10 cluster. The Treatment Area is depicted on **Figure 2.**

Due to limitations with access, areas east and north were not fully treated; however these areas are protected under an existing asphalt and/or concrete engineering cover. Therefore, the Type 5 soi restricted use area includes a 20-foot buffer around the Treatment area. This Buffer Area is depicted on **Figure 2**.

1.4 Site Restoration

Following completion of Solidification/Stabilization activities, the Treatment Area was graded to match the pre-existing sub-grade. A six-inch gravel sub-base and a two-inch thick asphalt cover was then placed over the Treatment Area similar to the existing surrounding parking lot structure (original estimated area 17,082 square feet). To ensure the integrity of the Treatment Area, the new asphalt cover was extended beyond the limits of the Treatment Area. In total, 22,869 square feet of the Property was repaved at the completion of the remediation work.

2.0 ENGINEERING CONTROLS

2.1 Asphalt Cap

The engineering control consists of an asphalt cap in the vicinity of the Treatment Area. Areas surrounding the Treatment Area include asphalt and/or concrete surfaces consisting of existing parking lots and concrete slab foundations. The asphalt cap will be inspected as part of on-going maintenance and monitoring activities to ensure the integrity of the cap. Monitoring and maintenance activities are discussed in Section 3.0.

2.2 Permanent Markers

The Environmental Covenant mandates that the Property be fitted with marker(s) identifying the Property as a "restricted area". A granite marker will be placed in the locations shown on **Figure 2**. An example of the permanent marker is provided in **Appendix B**.

2.3 Performance Monitoring

There are 21 monitoring wells on the Property (MW-1A/C, MW-3A/B, MW-7B/C, MW-8A/B/C, MW-9A/B/C, MW-10A/B/C, MW-11A/B/C, MW-12A, MW-14A, and MW-17A). Consistent with on-going groundwater investigations, supplemental groundwater monitoring will be completed down gradient of the Type 5 soil restricted use area to assess any changes in groundwater conditions in response to soil remediation. The monitoring wells included in this evaluation are presented in the table below.

Monitoring Well ID	**Water Zone***
MW-3A, MW-8A, MW-9A, MW-10A, MW-11A	Upper Residuum
MW-3B, MW-8B, MW-9B, MW-10B, MW-11B	Lower Residuum
MW-8C, MW-9C, MW-10C, MW-11C	Bedrock

*Upper Residuum is generally screened between 20 to 40 feet below grade

*Lower Residuum is generally screened between 40 to 60 feet below grade

*Bedrock is generally screened between 70 to 90 feet below grade

The proposed schedule for groundwater monitoring in the vicinity of soil remediation includes a minimum of semi-annual monitoring for a period of two years. Groundwater sampling will be performed using low-flow sampling procedures in accordance with the Georgia EPD and USEPA Region 4 guidance documents. Groundwater samples will be analyzed for VOCs using USEPA Method 8260 at TestAmerica in Savannah, Georgia.

Property monitoring wells will be inspected as part of on-going maintenance and monitoring activities. Monitoring and maintenance activities are discussed in Section 3.0.

3.0 MAINTENANCE AND INSPECTION PLANS

This section of the M&M plan describes the methods, procedures, and processes that must be used to inspect and maintain the engineering controls at the Property. Use of the Property must not damage the integrity of the asphalt and/or concrete cap, or interfere with other engineering controls.

When intrusive activities are required in the Type 5 area, any extracted, impacted soil should be managed in accordance with all applicable local, state and federal rules and regulations governing the management of such material. Intrusive activities must be performed by personnel with appropriate HAZWOPER training per OSHA's Hazardous Waste Operations and Emergency Response Standard 29 CFR 1910.120, and the work must be performed in accordance with a Health and Safety Plan prepared by a qualified safety professional. Contaminated excavated soil in this area should not be placed back into the excavation, but be properly characterized for disposal and transported and disposed of at an appropriate disposal facility. The excavation should be backfilled with clean surficial soil or fill material and recapped with an impervious surface.

Maintenance and inspection of the Property must be performed by person(s) experienced in the maintenance and inspection of the engineering controls at the Property through both professional training and educational experience sufficient to evaluate the condition of the Property as it relates to the requirements set forth below. Minimum experience requires the inspector be a Georgia certified Professional Engineer or Professional Geologist.

Maintenance and inspection activity documentation includes the Property Inspection Log Form and Property Maintenance Record Form. Inspection logs include the date of the inspection, name of the inspector(s), component inspected, weather conditions, condition of the item inspected, notation of any damages requiring attention and indicate if the noted damage would be classified as Major Damage. Maintenance records include the dates repairs were initiated and completed, and the name of the person recording the information. Comments describing the severity of the damage (i.e., major) must also be noted on the maintenance record along with a description of the repairs. A copy of the inspection and maintenance forms are in **Appendix C**.

3.1 Asphalt and/or Concrete Cap

It is necessary to maintain the integrity and effectiveness of the asphalt and/or concrete cap to avoid cracks extending through the depth of the asphalt and/or concrete cap; and/or failure of coal tar emulsion asphalt seal such that surface water comes in contact with contaminated soil ("Major Damage"), including making repairs as necessary. The asphalt and/or concrete cap must be inspected every year. The inspection must evaluate the asphalt and/or concrete cap to ensure adequate quantity and quality of the asphalt and/or concrete cap to correct excessive settling and other events and to minimize the likelihood of run on and run off causing material surface water infiltration. Positive drainage must be maintained across the asphalt and/or concrete cap to prevent ponding. The results of the inspection must be recorded on the Property Inspection Log Form in **Appendix C**. All maintenance of the cap must be documented in a logbook and on Property Maintenance Record Form in **Appendix C**. If Major Damage is noted, repairs must be completed within sixty (60) days of discovery. All other items requiring repair must be completed within ninety (90) days of discovery. Repairs must be made in accordance with the good engineering practices and must be conducted by qualified personnel.

3.2 Permanent Markers

The structural integrity of the granite marker must be maintained to avoid crushed, broken, or defaced markers making markers unreadable; markers removed from the Property; and/or damage to asphalt or concrete, such that the marker can be removed ("Major Damage"). The granite marker must be inspected

every calendar year. The results of the inspection must be recorded on the Property Inspection Log Form in **Appendix C**. All maintenance must be documented in a logbook and on Property Maintenance Record Form in **Appendix C**. If Major Damage is noted, repairs must be completed within sixty (60) days of discovery. All other items requiring repair must be completed within ninety (90) days of discovery. Repairs must be made in accordance with good engineering practices and must be conducted by qualified personnel.

3.3 Groundwater Monitoring Wells

The groundwater monitoring wells at the Property must be maintained and inspected annually. The wells must be visually inspected for signs of grout or concrete stress or failure, and the watertight locking caps must be inspected for cracked or torn rubber seals. The results of the inspection must be recorded on the Property Inspection Log Form in **Appendix C**. Damage to the locks, wells, and well labels could result from vandalism or weathering. Any damage of the groundwater-monitoring network must be repaired. If locks have rusted and do not function properly, they must be replaced. All wells must remain securely locked. The following conditions are considered Major Damage:

- Damaged well vault or vault cover
- Damaged well cap
- Damaged well casing inside well
- Erosion undermining concrete pad around well
- Damage or cracking of concrete pad around well

If Major Damage is noted, repairs must be completed within sixty (60) days of discovery. All other items requiring repair must be completed within ninety (90) days of discovery. Repairs must be made in accordance with good engineering practices and must be conducted by qualified personnel. All maintenance must be documented in a logbook and on Property Maintenance Record Form in **Appendix C**.

4.0 PLANNED USES OF THE PROPERTY

The Property Owner (Owner) will ensure that any use of the Property preserves the integrity and effectiveness of the cap, and remain protective of human health and the environment. These requirements are imposed through the Environmental Covenant filing that provides, among other things, that the Property shall only be used for non-residential purposes. The Owner will inspect/monitor the Property annually to ensure the use of the Property remains in compliance with the Environmental Covenant restrictions. Use of the Property will remain non-residential unless a change in use is approved by the Director of EPD.

- The inspection will verify that groundwater is not being used drinking water or any other non-remedial purposes.
- The inspection will verify that the Property is being used by owners, tenants, and other occupants for non-residential purposes only.
- The inspection will verify that all lease agreements, and other agreements concerning the use of the Property, including contracts and informal agreements, must be reviewed to ensure they restrict occupants to non-residential use of the Property.

The Owner will summarize the results of the inspection in a Property use statement that will be maintained in its M&M plan records and submitted to EPD on an annual basis. The Owner will ensure that the any future changes in use of the Property that impact the engineering controls will be submitted for approval to the EPD and will not commence until approved by EPD in accordance with Paragraph 2 of the Environmental Covenant (i.e., Notice). The Owner will cause the M&M Plan to be reviewed and revised as appropriate. If it is determined the M&M Plan must be revised, the Owner will submit the revised M&M Plan to EPD for review and approval at least sixty (60) days prior to the proposed change in use, but will not permit that change of use until receipt of EPD's approval.

The asphalt and/or concrete cap is designed and will be maintained to have a minimum of two (2) inches of asphalt and/or concrete cover to minimize the infiltration of surface water into the contaminated soils that remain on the Property. The Owner may permit the cap be penetrated in order to perform work necessary to implement corrective action; perform additional remediation; install, maintain, repair or replace utilities, structures and engineering controls; or for any other reason approved by EPD. All such activities will be performed in a manner to minimize the release or exposure to the regulated substances under the cap, in accordance with this M&M Plan.

5.0 REPORTING

Pursuant to the Environmental Covenant, Section 5 (Periodic Reporting), the Owner shall submit to EPD an Annual Report including, but not limited to maintenance and inspection activities, certification of non-residential use of the Property, and documentation stating whether or not the activity and use limitations at the Property comply with the Environmental Covenant established for the Property. A copy of the Annual Report must be submitted to the following:

State of Georgia
Department of Natural Resources
Environmental Protection Division
2 Martin Luther King Jr. Drive, SE
Suite 1456 East Tower
Atlanta, GA 30334

5.1 Maintenance and Inspection Reports

The Owner must submit maintenance and inspection reports along with a cover letter to EPD annually by June 15th. The cover letter shall state the name, mailing address, telephone number, facsimile number, and e-mail of the person EPD should contact regarding the requirements associated with the Property must be provided to EPD.

The maintenance and inspection reports must include the following signed certifications:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate that information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

_____
Authorized Signature

I certify that I am a qualified engineer or geologist who has received a baccalaureate or post-graduate degree in engineering, geology, or similar discipline, and have sufficient training and experience in designing and/or evaluating caps and installing and evaluating monitoring wells, as demonstrated by State registration and completion of accredited university courses, that enable me to make sound professional judgment regarding the effectiveness of engineering controls at this site. I also certify that this report meets the requirements set forth in the Monitoring and Maintenance Plan for the site. I further certify that this report was prepared by myself or by a subordinate working under my direction.

_____
PE/PG Signature and Seal

5.2 Site Use, Activity, and Monitoring Property Evaluation Form

The Owner shall submit a Site Use, Activity, and Monitoring Property Evaluation Form along with a property use statement regarding compliance with the non-residential use requirements to EPD annually by June 15th together with the Annual Report. A copy of the Site Use, Activity, and Monitoring Property Evaluation Form is provided as **Appendix A**.

The property use statement must include the following signed certification:

> *I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate that information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations,*
>
> _____
> *Authorized Signature*

FIGURES

APPENDIX A

Environmental Covenant

APPENDIX B

Permanent Marker Monument

Monument will be inscribed with the following text:

RESTRICTED AREA
SUBJECT TO ENVIRONMENTAL COVENANT
CALL THE PROPERTY OWNERS OR THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION PRIOR TO DIGGING OR COMMENCING ANY LAND DISTURBANCE ACTIVITY

APPENDIX C

FORMS

SITE USE, ACTIVITY, AND MONITORING PROPERTY EVALUATION FORM

Tara Shopping Center 8600 Tara Blvd, Jonesboro, Georgia
(Former Dry Cleaners 8564 Tara Boulevard)
Parcel: 13242D B001 HSI No. 10798

Type	No.	Criteria Response	Yes	No
Property Use	1	Has the Property use changed, has construction work been implemented on the Property, or have building permits been applied for?		
	1a	If yes to 1, was EPD notified at least 30 days in advance?		
	1b	If no to 1a, attach a written explanation.		
Exposure	2	Has subsurface site work been conducted in the areas of the Property where soil and/or groundwater concentrations exceed site-specific risk reduction standards?		
	2a	If yes to 2, was EPD notified with 3 business days following the site work?		
	2b	Has groundwater extraction or use for non-remedial purposes occurred?		
	2c	If no to 2a or yes to 2b, attach a written explanation, including a description regarding whether the requirements of the Environmental Covenant were adhered to.		
Engineering Controls	3	Is the concrete/asphalt cover intact and of sufficient quality to prevent exposure to soil in the area of property designated for restricted use?.		
	3a	If no to 3, are corrective measures being taken? Notify EPD with 60 days of identification of damaged concrete/asphalt with a plan and schedule to repair. Please attached a written explanation.		
	3b	Have enclosed structures been installed on the Property or existing structures modified in such a way as to change potential vapor intrusion assumptions?		
Permanent Markers	4	Are the permanent marker(s) that delineate the restricted areas in place and legible?		
Groundwater Monitoring Wells	5	Have monitoring wells been inspected and is the integrity of monitoring wells intact?		
	5a	If no to 5, are corrective measures being taken? Notify EPD with 60 days of identification of damaged wells with a plan and schedule to repair. Please attached a written explanation.		
Property Instruments	6	Do all leases or other property instruments for the Property have the applicable Environmental Covenant language inserted into them?		
	6a	If no to 5, attach a written explanation.		
Inspection	7	Date of inspection:		
	7a	Name of inspector:		
	7b	Photographs showing current land use, engineering controls, and permanent markers (attached)		

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

NAME (Please type or print) TITLE

_____ _____

SIGNATURE DATE

PROPERTY INSPECTION LOG FORM Tara Shopping Center 8600 Tara Blvd, Jonesboro, Georgia (Former Dry Cleaners 8564 Tara Boulevard) Parcel: 13242D B001 HSI No. 10798		
Component Inspected	**Condition of Component**	**Check if Major Damage**
Asphalt and/or concrete cap		
Permanent Granite Marker(s)		
Groundwater Monitoring Wells		
MW-1A/C		
MW-3A/B		
MW-7B/C		
MW-8A/B/C		
MW-9A/B/C		
MW-10A/B/C		
MW-11A/B/C		
MW-12A		
MW-14A		
MW-17A		
Overall Property Condition		
Date of inspection:		
Name of inspector:		
Weather Conditions		
Photographs showing current land use, engineering controls, and permanent markers (attached)		

Certification:

I certify that I am a qualified engineer or geologist who has received a baccalaureate or post-graduate degree in engineering, geology, or similar discipline, and have sufficient training and experience in designing and/or evaluating caps and installing and evaluating monitoring wells, as demonstrated by State registration and completion of accredited university courses, that enable me to make sound professional judgment regarding the effectiveness of engineering controls at this site. I also certify that this report meets the requirements set forth in the Monitoring and Maintenance Plan for the site. I further certify that this report was prepared by myself or by a subordinate working under my direction.

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PE/PG Signature and Seal

PROPERTY MAINTENANCE RECORD FORM Tara Shopping Center 8600 Tara Blvd, Jonesboro, Georgia (Former Dry Cleaners 8564 Tara Boulevard) Parcel: 13242D B001 HSI No. 10798					
Component Inspected	**Repair Date**		**Description of Repair**	**Inspector**	**Check if Major Damage**
	Start	**Completed**			
Asphalt and/or concrete cap					
Permanent Granite Marker(s)					
Groundwater Monitoring Wells					
MW-1A/C					
MW-3A/B					
MW-7B/C					
MW-8A/B/C					
MW-9A/B/C					
MW-10A/B/C					
MW-11A/B/C					
MW-12A					
MW-14A					
MW-17A					
Overall Property Condition					
Photographs showing repairs					
Date of inspection:					
Name of inspector:					
Weather Conditions					
Comments:					

Certification:

I certify that I am a qualified engineer or geologist who has received a baccalaureate or post-graduate degree in engineering, geology, or similar discipline, and have sufficient training and experience in designing and/or evaluating caps and installing and evaluating monitoring wells, as demonstrated by State registration and completion of accredited university courses, that enable me to make sound professional judgment regarding the effectiveness of engineering controls at this site. I also certify that this report meets the requirements set forth in the Monitoring and Maintenance Plan for the site. I further certify that this report was prepared by myself or by a subordinate working under my direction.

_____

PE/PG Signature and Seal

ATTACHMENT E

Soil Boring and Monitoring Well Constructions Logs

To Be Supplemented