AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
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May 27, 2021

Ms. Lindley Campbell
Maryland Department of Environment
Oil Control Program
1800 Washington Blvd., Suite 620
Baltimore, Maryland 21230-1719

AECOM Project No. 60144763

Subject: Offsite Potable Well Investigation Results
7-Eleven Store No. 22281
2400 Pleasantville Road
Fallston, Maryland
Facility ID No. 0006365
MDE Case No. 2005-0120HA

Dear Ms. Campbell,

On behalf of 7-Eleven, Inc. (7-Eleven), AECOM Technical Services, Inc. (AECOM) is submitting the monitoring results for a select set of offsite private potable wells requested by the Maryland Department of the Environment (MDE) in their directive letter dated November 4, 2020 (included as **Attachment A**). This information will be used by MDE in their case closure review for the above-referenced site.

Investigation

The properties requested to be sampled are indicated on **Figure 1**. A total of twelve properties included on the MDE directive were sampled during the timeframe of this investigation; the remaining three could not be sampled. The below indicates the attempts and issues that resulted when trying to gain access for these three remaining properties:

- 2404 Pleasantville Road – Two sample request packets were mailed (December 2, 2020 and January 8, 2021) and one was hand delivered to the property owner's wife (February 17, 2021). A final attempt was made on May 10, 2021 but the property owner was not present. No response from any attempt has been received.
- 2414 Pleasantville Road – Two sample request packets were mailed (December 2, 2020 and January 8, 2021). An attempt to hand deliver occurred on February 17, 2021 but the building was vacant. Property owner's contact information was obtained from the leasing company. Multiple phone calls have occurred to the property owner between March 9, 2021 and April 7, 2021, where the property owner indicated he would send back the completed packet. A final attempt was made on May 10, 2021 and a packet was left with the property owner's son.
- 2322 Pleasantville Road – Two sample request packets were mailed (November 24, 2020 and January 7, 2021) and one was hand delivered on February 17, 2021; however, it was a tenant who filled out the paperwork. The tenant was not comfortable providing the property owner's contact information. The tenant indicated that they have also not been able to get in contact with the property owner. On May 10, 2021 a fourth packet was delivered to the tenant, who said they would email the contents to the property owner. An illegible photocopy of the completed packet was received on May 12, 2021. A fifth and final packet was mailed to the property owner's

address on May 24, 2021 with explanation that a physical copy of the access agreement must be sent back to execute the agreement.

Analytical Results

AECOM field staff mobilized to the area on March 15, April 26, and May 10, 2021 to collect the samples from the potable wells. Potable well water samples were collected by filling laboratory-provided sample containers directly from the effluent pipe of the well pump prior to the water entering any treatment system. Prior to sample collection the water was allowed to run freely for approximately 15 to 20 minutes to clear plumbing features of stagnant water. The samples were analyzed for volatile organic compounds (VOCs) including fuel oxygenates and naphthalene via Environmental Protection Agency (EPA) Method 524.2 and immediately placed in a cooler with ice. All samples were submitted under chain-of-custody to Eurofins TestAmerica of Pensacola, Florida.

The results for benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert-butyl ether (MTBE), naphthalene, chloroform, and tetrachloroethene are presented in **Table 1**. Concentrations of MTBE were above the detection limit in the samples collected from 2108 Fallston Road, 2118 Round Hill Road, and 2120 Round Hill Road private potable wells but below the MDE Groundwater Cleanup Standard. These detections appear to be stable when compared to previous sampling events by the Harford County Health Department (also included in **Table 1**). A detection of tetrachloroethene was reported above the laboratory detection limits but below applicable standards in the sample collected from the potable well at 2118 Round Hill Road. Tetrachloroethene is a dry-cleaning solvent and not suspected to be from the 7-Eleven release. Chloroform was detected above the laboratory detection limit but below applicable standards in the sample collected from the potable well at 2120 Round Hill Road, which is consistent with the previous sampling data reviewed.

Naphthalene detection limits under this specific method were set at 1 micrograms-per-liter (µg/L) which exceeds the MDE Cleanup Standard of 0.17 µg/L. The exceedance of the detection limit when compared to the established standard is not expected to be an issue due to the lack of recent naphthalene detections on site.

Field sheets from the sampling of each private potable wells and the well fact sheets filled out by the property owners are included as **Attachment B**. The photographs taken at each sampling port are included in the photolog provided in **Attachment C**. The laboratory analytical reports are included as **Attachment D**. Historical laboratory analytical reports are included in **Attachment E**.

Summary and Conclusions

As directed by the MDE, AECOM, on behalf of 7-Eleven, collected samples from 12 of the 15 requested offsite private potable wells. The sampling results will be submitted to all of the property owners and tenants (if applicable) for each of the twelve properties. Based on the lack of response from the remaining three (despite continuous attempts to gain access), it does not appear feasible to collect the balance without additional involvement from MDE.

The next quarterly groundwater sampling event for this 7-Eleven site is scheduled for July 2021. This sampling event will include the entirety of the monitoring well network to aid in MDE review of the case closure request.

Sincerely,

AECOM

Maggie Price
Environmental Scientist II
Margaret.Price@aecom.com

Rachael Allen
Project Manager
Rachael.Allen@aecom.com

Marie Treiber
Regional Senior Project Manager
Marie.Treiber@aecom.com

cc: 7-Eleven Project File

Attachments:

Table 1 – Offsite Potable Well Analytical Results
Figure 1 – Fallston Private Potable Well Location Map

Attachment A – MDE Directive
Attachment B – Potable Well Collection Field Sheets
Attachment C – Sampling Photolog
Attachment D – Analytical Laboratory Reports
Attachment E – Historic Harford Health Department Analytical Laboratory Reports

Tables

Table 1. Offsite Potable Well Analytical Results
7-Eleven Store No. 22281
2400 Pleasantville Road
Fallston, Maryland

Potable Well	Date	VOCs in Drinking Water Plus Oxygenates via EPA 524.2 (ug/L)								
		Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	MTBE	Chloroform	Tetrachloroethene	Naphthalene
2019 Fallston Road	3/15/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2101 Fallston Road	3/15/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2108 Fallston Road	8/9/2004[1]	<0.5	<0.5	<0.5	<1.5	BDL	**1.61**	<0.5	<0.5	**4.37**
(and 2106 Fallston Road)	12/14/2007[1]	<0.5	<0.5	<0.5	<1.5	BDL	**1.43**	<0.5	<0.5	<0.5
	1/29/2008[1]	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	<0.5	<0.5	<0.5
	7/23/2009[1]	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	<0.5	<0.5	<0.5
	1/5/2010[1]	<0.5	<0.5	<0.5	<1.5	BDL	**1.36**	<0.5	<0.5	<0.5
	5/8/2012[1]	<0.5	<0.5	<0.5	<1.5	BDL	**2.09**	<0.5	<0.5	<0.5
	3/15/2021	<0.500	<0.500	<0.500	<0.500	BDL	**1.17**	<0.500	<0.500	<1
2118 Fallston Road	3/15/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2402 Pleasantville Road	3/15/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2403 Pleasantville Road	4/26/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2404 Pleasantville Road	Access Not Obtained									
2410 Pleasantville Road	4/26/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2414 Pleasantville Road	6/11/2009	<0.5	<0.5	<0.5	<1.0	BDL	**3.4**	<0.500	<0.500	<0.5
	2/18/2010	<0.5	<0.5	<0.5	<1.0	BDL	**3.8**	<0.500	<0.500	<0.5
	6/7/2010	<0.5	<0.5	<0.5	<1.5	BDL	**2.5**	<0.500	<0.500	<0.5
	12/20/2010	<0.5	<0.5	<0.5	<1.5	BDL	**1.8**	<0.500	<0.500	<0.5
	6/29/2011	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	<0.500	<0.500	<0.5
	12/8/2011	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	<0.500	<0.500	<0.5
	6/5/2012	<0.5	**11**	<0.5	<1.5	**11**	<0.5	<0.500	<0.500	<0.5
	12/6/2012	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	<0.500	<0.500	<0.5
	6/6/2013	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	<0.500	<0.500	<0.5
	12/18/2013	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	<0.500	<0.500	<0.5
	Access Not Obtained									
EPA NPDWR MCLs (ug/L)		5	1,000	700	10,000	NS	20*	80*	5	0.17*

Notes:
[1] Samples collected by Harford County Health Department
ug/L - micrograms-per-liter
BTEX - sum of benzene, toluene, ethylbenzene and xylene concentrations
MTBE - methyl tert butyl ether
BDL - below laboratory detection limits
MCL: Maximum Contaminant Level
NS - no standard

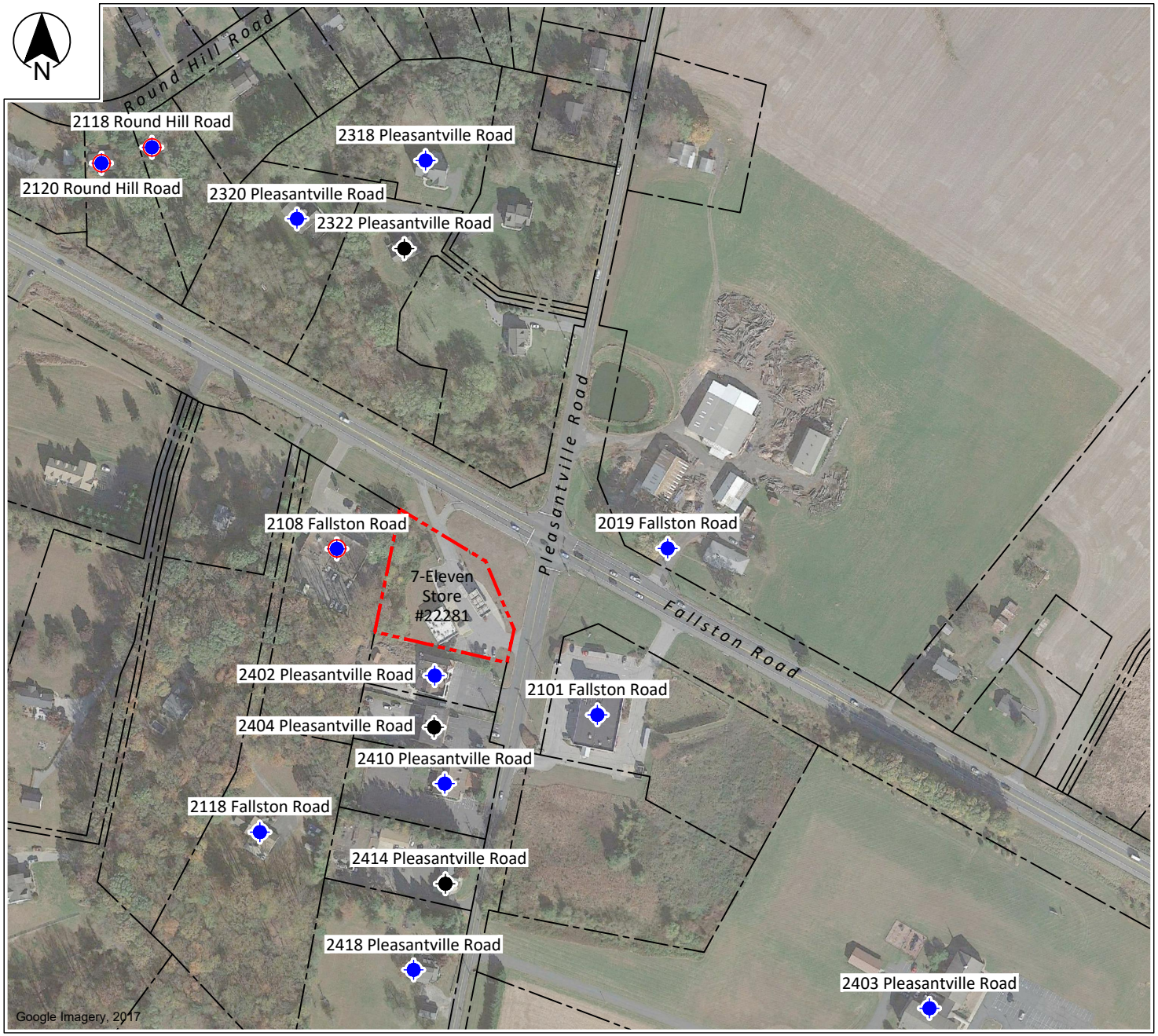
*: No standard has been set by EPA for drinking water, so MDE Cleanup Standard is being used
BOLD indicates a concentration above the laboratory detection limit
Shaded value indicates a concentration above the MDE Cleanup Standards (October 2018)
TPH-GRO - Total Petroleum Hydrocarbons-Gasoline Range Organics
<X - analyte not detected at the laboratory detection limit of X
NPDWR: National Primary Drinking Water Regulations
EPA: Environmental Protection Agency

Table 1. Offsite Potable Well Analytical Results
7-Eleven Store No. 22281
2400 Pleasantville Road
Fallston, Maryland

Potable Well	Date	VOCs in Drinking Water Plus Oxygenates via EPA 524.2 (ug/L)								
		Benzene	**Toluene**	**Ethylbenzene**	**Xylenes**	**BTEX**	**MTBE**	**Chloroform**	**Tetrachloroethene**	**Naphthalene**
2418 Pleasantville Road	3/15/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2318 Pleasantville Road	4/26/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2320 Pleasantville Road	3/15/2021	<0.500	<0.500	<0.500	<0.500	BDL	<0.500	<0.500	<0.500	<1
2322 Pleasantville Road	Access Not Obtained									
2118 Round Hill Road	1/13/2010[1]	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	**0.52**	<0.5	<0.5
	5/9/2012[1]	<0.5	<0.5	<0.5	<1.5	BDL	**0.55**	<0.5	<0.5	<0.5
	4/26/2021	<0.500	<0.500	<0.500	<0.500	BDL	**0.700**	<0.500	**0.751**	<1
2120 Round Hill Road	1/13/2010[1]	<0.5	<0.5	<0.5	<1.5	BDL	<0.5	**0.56**	<0.5	<0.5
	5/9/2012[1]	<0.5	<0.5	<0.5	<1.5	BDL	**0.76**	**1.21**	<0.5	<0.5
	5/10/2021	<0.500	<0.500	<0.500	<0.500	BDL	**1.08**	**0.504**	<0.500	<1
EPA NPDWR MCLs (ug/L)		5	1,000	700	10,000	NS	20*	80*	5	0.17*

Notes:
[1] Samples collected by Harford County Health Department
ug/L - micrograms-per-liter
BTEX - sum of benzene, toluene, ethylbenzene and xylene concentrations
MTBE - methyl tert butyl ether
BDL - below laboratory detection limits
MCL: Maximum Contaminant Level
NS - no standard
*: No standard has been set by EPA for drinking water, so MDE Cleanup Standard is being used
BOLD indicates a concentration above the laboratory detection limit
Shaded value indicates a concentration above the MDE Cleanup Standards (October 2018)
TPH-GRO - Total Petroleum Hydrocarbons-Gasoline Range Organics
<X - analyte not detected at the laboratory detection limit of X
NPDWR: National Primary Drinking Water Regulations
EPA: Environmental Protection Agency

Figures



LEGEND:

- Approximate Subject Property
- Private Potable Well Location (Sampled)
- Private Potable Well Location (Not Sampled)
- Samples with Methyl-tert butyl ether Above Laboratory Detection Limits

Private potable well locations are placed on property's structure - well installation logs were not reviewed as part of this investigation.

SCALE IN FEET:

300 0 300

NOTE: ALL MAP FEATURES ARE APPROXIMATE IN SCALE AND LOCATION.

7-Eleven, Inc.
7-Eleven Store #22281
2400 Pleasantville Road
Fallston, Maryland

Fallston Private Potable Well Location Map

FIGURE 1

DATE: MAY 2021 | DRAWN BY: M. PRICE | REVIEWED BY: R. ALLEN | PROJECT NO.: 60144763

AECOM

Attachment A
MDE Directive

November 4, 2020

Ms. Shellena Hussein
Manager, Environmental Services
7-Eleven, Inc.
PO Box 711-LOC 0148
Dallas, TX 75221

RE: REQUEST FOR ADDITIONAL INFORMATION
Case No. 2005-0120-HA
Pleasantville 7-Eleven No. 22281
2400 Pleasantville Road, Fallston
Harford County, Maryland
Facility I.D. No. 6375

Dear Ms. Hussein:

The Maryland Department of the Environment's (MDE) Oil Control Program (OCP) completed a review of the case file for the above-referenced property, including the *Third Quarter 2020 Monitoring and Sampling Report and Case Closure Request*, dated October 30, 2020. This case was opened in August 2004 when OCP requested an evaluation of the site in conjunction with an area-wide drinking water investigation. There are currently 12 on-site and 3 off-site monitoring wells. Groundwater samples collected from this network between July 2006 and September 2020 identified methyl tertiary-butyl ether (MTBE) as the primary constituent of concern. The station is located in a mixed commercial/residential community, which is served by private drinking water supply wells.

The monitoring well network consists of 15 monitoring wells, 12 of which are sampled on a quarterly basis and 3 of which are sampled on an annual basis. The most recent sampling event was conducted in September 2020. The groundwater samples were analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates and naphthalene, using EPA Method 8260 and total petroleum hydrocarbons - diesel and gasoline range organics (TPH-DRO and TPH-GRO) using EPA Method 8015. The September 2020 analytical results for the groundwater samples collected from the 12 monitoring wells exhibited concentrations of MTBE ranging from below the detectable level to 9.63 parts per billion (ppb). A review of the corrected groundwater elevations revealed that the groundwater table has returned to average levels following the higher than average precipitation of the 2018 monitoring season.

Based on the current commercial/residential land use, the location of this station in a high-risk groundwater use area, and available information reviewed for this case, MDE has the following comments and requirements:

1. A selection of commercial and residential properties in the vicinity were sampled historically under this open case. The current conditions of the following wells must be confirmed.

   a. **No later than December 15, 2020,** collect supplemental drinking water samples from the following commercial property supply wells: 2019 Fallston Road (Frank Thomas Sawmill), 2101 Pleasantville Road (Walgreens), 2108 Pleasantville Road (Vince's Crab House), 2402 Pleasantville Road (Acappella Restaurant), 2403 Pleasantville Road (Grandview Christian Church), 2404 Pleasantville Road (Pleasantville Professional Building), 2410 Pleasantville Road (Black Forest Taphouse), and 2414 Pleasantville Road (Office Building).

   b. **No later than December 15, 2020**, collect supplemental drinking water samples from the following residential property supply wells: 2318 Pleasantville Road, 2320 Pleasantville Road, 2322 Pleasantville Road, 2418 Pleasantville Road, 2118 Fallston Road, 2118 Round Hill Road, and 2120 Round Hill Road.

   c. Notify OCP at least 5 working days prior to collecting any residential property supply well samples so we have an opportunity to accompany your consultant.

   d. All samples must be collected after running the water for approximately 15 to 20 minutes to purge the piping and from a sample location prior to any treatment system(s) that may be present, preferably at the pressure tank. The sample must be analyzed for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 524.2. **No later than January 29, 2021**, submit copies of all sampling results to the property owner, tenant (if applicable), the Harford County Health Department, and the OCP case manager, Ms. Lindley Campbell.

   e. Property owners for the selected supply wells identified for sampling have been copied on this letter to inform them of the sampling requirement.

2. The OCP is in receipt of MTBE and TPH-GRO Mann-Kendall Graphs for the monitoring well network. Provide information on the Mann-Kendall program used and copies of the associated table of time-series data used to calculate the statistical trends.

3. Conduct the 4th Quarter 2020 sampling of the monitoring well network and on-site supply well in accordance with MDE's *Request for Continued Monitoring* letter, dated May 28, 2019 (copy enclosed) unless notified otherwise. This sampling event should include all 15 monitoring wells in accordance with the approved annual sampling protocols.

4. Following receipt of this information, OCP will review the status of this case.

When submitting documentation to OCP, provide three hard copies and one electronic copy. If you have any questions, please contact Ms. Lindley Campbell at 410-537-3387 (lindley.campbell1@maryland.gov) or me at 410-537-3499 (susan.bull@maryland.gov).

Sincerely,

Susan R. Bull, Eastern Region Supervisor
Remediation Division
Oil Control Program

Enclosure: *Request for Continued Monitoring* – May 28, 2019

cc: Ms. Rachael Allen, Project Manager, AECOM
Mr. Mehdi Mourbank and Ms. Lamia El Koussa, 2318 Pleasantville Road
Mr. Joel and Mrs. Elizabeth Baker, 2320 Pleasantville Road
Mr. John and Mrs. Theresa Quingert, 2418 Pleasantville Road
Mr. Dennis and Mrs. Jane Swiger, 2118 Fallston Road
Mr. John McHugh, Jr., 2118 Round Hill Road
Mr. Jessica Jackson, 2120 Round Hill Road
Mr. William F. Thomas, Jr. and Jean L. Chenworth et. al., 2019 Fallston Road
Mr. Stanley Lloyd c/o Walgreens, 2101 Fallston Road, LLC & 2402 Pleasantville Road, LLC
Mr. John S. Varavas, Jr., Grandview Christian Church, P.O. Box 358, Fallston MD 21047-0358)
Mr. Frederick W. Parker, Fallston Shopping Center, LLC, 2019 Fallston Road
Mr. Thomas G. Tzomides, 2404 Pleasantville Road
Mr. and Mrs. Alexandros and Dana Theodoropoulos, 2410 Pleasantville Road
Mr. Anthony Stanley, T.E.S. Properties, LLC, 2414 Pleasantville Road
Mr. and Ms. Aaron and Nicole Wagner, 2322 Pleasantville Road
Mr. John Resline, Acting Director of Environmental Health, Harford County Health Dept.
Ms. Lindley Campbell, Case Manager, Remediation Division, Oil Control Program
Mr. Andrew B. Miller, Chief, Remediation Division, Oil Control Program
Mr. Christopher H. Ralston, Program Manager, Oil Control Program

Rachael Allen
AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, MD 20701

Attachment B
Potable Well Collection Field Sheets

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2118 Round Hill Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: See Below - No Sample	
Primary AECOM Sampler/Leader:	
Secondary AECOM Sampler/Helper:	
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	
Any identified issues pre-sampling (Y/N):	
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	
Picture taken of sampling location (Y/N – if no then why)	
If NO, list issue	
Is there a water treatment system	
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	
If YES, list issue	
Any post sampling issues with occupant (Y/N)	
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	AECOM rang doorbell multiple times and called owner upon arrival; no response
Post-sampling observation or issues noted by AECOM samplers:	

Attachment:

- Copy of site-specific signed Residential Access Agreement

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2118 Round Hill Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling:	4/26/21
Primary AECOM Sampler/Leader:	Emily Lilly
Secondary AECOM Sampler/Helper:	Steve Strawbridge
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Outside spigot
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	N
Sample from Pre-or post-water treatment system	N
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701

410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 12/1/20 Property Address: 2118 Round Hill RD

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: MARY A. McHugh

MAILING ADDRESS: 2118 Round Hill RD, Fallston, MD 21047

PHONE #: 4108798219 (home) ✓ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: ✓

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (YES) NO
   (If NO, please stop here and return form)

3. What is the depth of the well? _____ feet Check here if unknown: ✓

4. Please provide the well permit number: _____ Check here if unknown: ✓

5. Does the well supply water for any other residences? YES (NO) Unknown
   If YES, how many? _____

6. Do you use the well water for drinking and/or cooking? (YES) (NO)

   If NO, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:
   bathing? (YES) NO
   washing clothes? (YES) NO
   lawn/garden/irrigation? (YES) NO

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701

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8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **(NO)**

   If **YES,**

   a. What type of water treatment system(s) do you have? (Circle all that apply)

      Softener
      Iron removal
      Sediment Filter
      Carbon Filter
      Turbidity removal
      pH adjustment
      Disinfection
      Chlorinators
      Acid neutralizer
      Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

      YES NO NOT SURE

      If YES, how can the system be bypassed? (Circle all that apply)

      Outside spigot bypasses treatment
      Faucet in basement
      Faucet on holding tank
      Treatment system can be shut off

   If **NO,**

   Is there an outside spigot from which we can take a sample? **(YES)** **NO**

   Where is the spigot located? BACK OF THE HOUSE

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **(YES)** **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2318 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling:	4/26/21
Primary AECOM Sampler/Leader:	Emily Lillis
Secondary AECOM Sampler/Helper:	Steve Straughn
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Outside Spigot
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	N
Sample from Pre-or post-water treatment system	Y
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 1/13/2021 Property Address: 2318 Pleasantville Rd

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: Jamia ELKOUSSA

MAILING ADDRESS: 2318 Pleasantville Rd Fallston MD 21047

PHONE #: (410) 652-2105 (home) _____ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: _____

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (**YES**) **NO**
   (If **NO**, please stop here and return form)

3. What is the depth of the well? _____ feet Check here if unknown: X

4. Please provide the well permit number: _____ Check here if unknown: X

5. Does the well supply water for any other residences? **YES** (**NO**) **Unknown**
   If **YES**, how many? _____

6. Do you use the well water for drinking and/or cooking? **YES** (**NO**)
   If **NO**, what is the source of your drinking/cooking water? purchase gallons

7. Do you use the well water for:

bathing?	(**YES**)	**NO**
washing clothes?	(**YES**)	**NO**
lawn/garden/irrigation?	(**YES**)	**NO**

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **NO** (NO circled)

   If **YES**,

   a. What type of water treatment system(s) do you have? (Circle all that apply)

   Softener
   Iron removal
   Sediment Filter
   Carbon Filter
   Turbidity removal
   pH adjustment
   Disinfection
   Chlorinators
   Acid neutralizer
   Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

   YES NO NOT SURE

   If YES, how can the system be bypassed? (Circle all that apply)

   Outside spigot bypasses treatment
   Faucet in basement
   Faucet on holding tank
   Treatment system can be shut off

   If **NO**,

   Is there an outside spigot from which we can take a sample? (YES) **NO**

   Where is the spigot located? near the garage doors ~~to the~~

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? (YES) **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

You may call me if you have any questions (410) 652-2165

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2403 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling:	4/26/21
Primary AECOM Sampler/Leader:	Emily Lillis
Secondary AECOM Sampler/Helper:	Steve Strawbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	outside spigot
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	Sediment Filter
Sample from Pre-or post-water treatment system	Pre
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A Only supplies water to church and attached pre-school
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 1/15/2021 Property Address: 2403 Pleasantville Rd Fallston Md 21047

1. Indicate your relationship to this property. (Circle one)

Property Owner Renter/Lessee (Other (please explain) Church President

Please provide your contact information and address.

NAME: Eugene W Crocker

MAILING ADDRESS: P.O. Box 358 Fallston Md 21047

PHONE #: 410-877-3090 (home) ~~443~~ (work) 410-322-4809 (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: office@grandviewfallston.org

If you are a renter or tenant, please provide the owner's contact information.

NAME: N/A

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (YES) NO
(If NO, please stop here and return form)

3. What is the depth of the well? _____ feet Check here if unknown: ✓

4. Please provide the well permit number: _____ Check here if unknown: _____

5. Does the well supply water for any other residences? (YES) NO Unknown
If YES, how many? Unknown

6. Do you use the well water for drinking and/or cooking? (YES) NO

If NO, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:
bathing? YES (NO)
washing clothes? YES (NO)
lawn/garden/irrigation? YES (NO)

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **(NO)**

   If **YES,**

   a. What type of water treatment system(s) do you have? (Circle all that apply)

      Softener
      Iron removal
      Sediment Filter
      Carbon Filter
      Turbidity removal
      pH adjustment
      Disinfection
      Chlorinators
      Acid neutralizer
      Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

      YES NO NOT SURE

      If YES, how can the system be bypassed? (Circle all that apply)

      Outside spigot bypasses treatment
      Faucet in basement
      Faucet on holding tank
      Treatment system can be shut off

   If **NO,**

   Is there an outside spigot from which we can take a sample? **(YES)** **NO**

   Where is the spigot located? Back Door Northern Entrance

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **(YES)** **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2410 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling:	4/26/21
Primary AECOM Sampler/Leader:	Emily Lillis
Secondary AECOM Sampler/Helper:	Steve Strausbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Outside Spigot
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	N
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 2-18-21 Property Address: 2410 Pleasantville RD

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: Alex Theodonopoulos

MAILING ADDRESS: 2410 Pleasantville RD FALLSTON MD 21047

PHONE #: 443-617-7324 (home) _____ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: AlexTheoRuss@Gmail.com

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (YES) NO
(If NO, please stop here and return form)

3. What is the depth of the well? 670 feet Check here if unknown: _____

4. Please provide the well permit number: _____ Check here if unknown: _____

5. Does the well supply water for any other residences? **YES NO Unknown**
If **YES**, how many? _____

6. Do you use the well water for drinking and/or cooking? (YES) NO

If **NO**, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:

bathing?	YES	(NO)
washing clothes?	YES	NO
lawn/garden/irrigation?	YES	NO

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **NO**

   If **YES**,

   a. What type of water treatment system(s) do you have? (Circle all that apply)

      Softener
      Iron removal
      Sediment Filter ✓
      Carbon Filter
      Turbidity removal
      pH adjustment
      Disinfection
      Chlorinators
      Acid neutralizer
      Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

      YES **NO** **NOT SURE**

      If YES, how can the system be bypassed? (Circle all that apply)

      Outside spigot bypasses treatment
      Faucet in basement
      Faucet on holding tank
      Treatment system can be shut off

   If **NO**,

   Is there an outside spigot from which we can take a sample? **YES** **NO**

   Where is the spigot located? _____

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **YES** **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2120 Round Hill Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: 5/10/20	
Primary AECOM Sampler/Leader:	Emily Lyles
Secondary AECOM Sampler/Helper:	Steve Strausbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Inside boiler room
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	Y
Sample from Pre-or post-water treatment system	Pre-
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 1/11/21 Property Address: 2120 Round Hill Rd Fallston, MD 21047

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: Jessica Jackson

MAILING ADDRESS: 2120 Round Hill Fallston, MD 21047

PHONE #: 443.643.9487 (cell) (~~home~~) _____ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: Jessica.B.Hill525@gmail.com

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (**YES**) **NO**
(If **NO**, please stop here and return form)

3. What is the depth of the well? _____ feet Check here if unknown: ✓

4. Please provide the well permit number: _____ Check here if unknown: ✓

5. Does the well supply water for any other residences? **YES** (**NO**) **Unknown**
If **YES**, how many? _____

6. Do you use the well water for drinking and/or cooking? (**YES**) **NO**

If **NO**, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:
bathing? (**YES**) **NO**
washing clothes? (**YES**) **NO**
lawn/garden/irrigation? (**YES**) **NO**

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **NO**

   If **YES**,

   a. What type of water treatment system(s) do you have? (Circle all that apply)

   Softener
   Iron removal
   Sediment Filter
   Carbon Filter
   Turbidity removal
   pH adjustment
   Disinfection
   Chlorinators
   Acid neutralizer
   Other: (please specify): whole house gediment filter

   b. Can the treatment system be bypassed to collect an untreated water sample?

   YES **NO** **NOT SURE**

   If YES, how can the system be bypassed? (Circle all that apply)

   Outside spigot bypasses treatment
   Faucet in basement
   Faucet on holding tank
   Treatment system can be shut off

   If **NO**,

   Is there an outside spigot from which we can take a sample? **YES** **NO**

   Where is the spigot located? Front of house (R) or front door

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **YES** **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2402 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: 3/15/21	
Primary AECOM Sampler/Leader:	Emily Lillis
Secondary AECOM Sampler/Helper:	Steve Strawbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Attic water system
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	Y
Sample from Pre-or post-water treatment system	Pre
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

DNR-131 (7/73)

EMERGENCY NO. (If any) –

B 1 . 5448 SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER

FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)

OWNER SOUTHLAND CORP. (COL 15 LAST NAME) (FIRST NAME COL. 34)

STREET OR RFD 9605 OLD HARFORD, RD (COL 36) (COL. 55)

POST OFFICE BALTO. MD. (COL 57) (COL. 76)

8-13

B 1 CONTINUED (SEQ. NO.)

DRILLER INFORMATION

DATE 3-5-74 LICENSE NUMBER 88 (77 80)

A-C REIDER & SON INC (FIRST NAME) DRILLER (LAST NAME)

SIGNATURE

B 2 (SEQ. NO.)

WELL INFORMATION

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5 (8 12)

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 600 (14 20)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

(D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

F FARMING, AGRICULTURE, IRRIGATION

(I) INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT. (22)

M MUNICIPAL WATER SUPPLY

P PRIVATE WATER COMPANY

} MUST HAVE STATE HEALTH DEPT. APPROVAL

T TEST

APPROXIMATE DEPTH OF WELL 100 (24 28) FEET

APPROXIMATE DIAMETER OF WELL 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

BORED (OR AUGERED) JETTED DRIVEN

(30-37) AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)

CABLE REVERSE-ROTARY DRIVE-POINT

OTHER (DESCRIBE)

REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)

N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

(39) S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY

D THIS WELL WILL DEEPEN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE)

(41 52)

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)

APPROPRIATION PERMIT NUMBER G A P (54 63)

ENGINEER REVIEW DISTRICT NO. (65)

FORCE (67 68) WRITE INITIALS IN BOX

CONDITIONS A E N S G W Q C L U (70 71 72 73 74 75 76 77 78 79)

B 4 CONTINUED (SEQ. NO.)

HEALTH DEPARTMENT APPROVAL

(41) S STATE HEALTH (CIRCLE BOX)

COUNTY NAME Harford COUNTY NO.

DATE MO. DAY YR. (43 48)

APPROVED BY

B 5 (SEQ. NO.)

SPECIAL CONDITIONS 8-68 (WRA USE ONLY)

(8 68)

HEALTH

B 3 (SEQ. NO.)

LOCATION OF WELL

COUNTY HARFORD (8 21) (DO NOT ABBREVIATE COUNTY NAME)

SUBDIVISION (23 42)

SECTION (44 46) LOT (48 50)

NEAREST TOWN SCARFF (52 71)

MILES FROM TOWN (ENTER 0 IF IN TOWN) 0 (73 76) M I (77 78)

B 4 (SEQ. NO.)

DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

N NORTH E EAST NE NORTHEAST SE SOUTHEAST

S SOUTH W WEST NW NORTHWEST SW SOUTHWEST

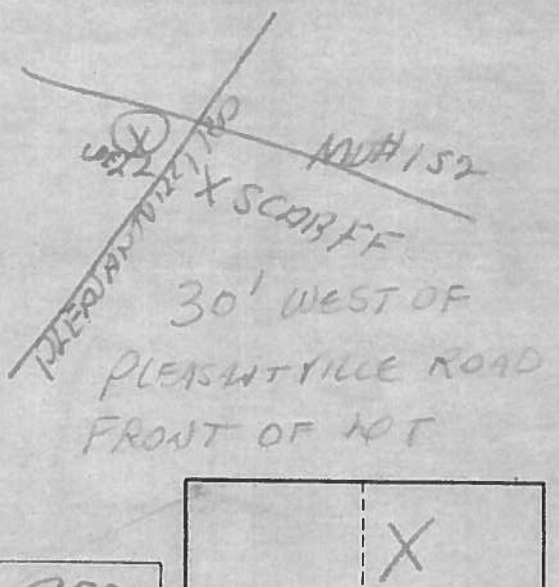
(8) (8) (8 9) (8 9)

NEAR WHAT ROAD MD 152 (11 30)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH (N 32) SOUTH (S 32) EAST (E 32) WEST (W 32)

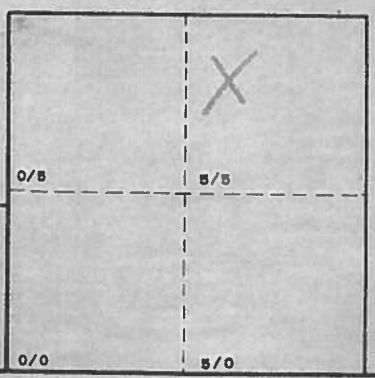
DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 200 (34 37) F T M I (38 39)

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW, AND THE BOX NUMBER FROM THE WELL LOCATION MAP.



Now Fusion Grille Woody 11/29/00

BOX NUMBER E 950 N 610



NORTH COORDINATE (50 51 52 53 54 55)

EAST COORDINATE (57 58 59 60 61 62 63)

ELEVATION AT WELL HEAD (FEET) (64 66 67 68)

DNR 214 9/71

C	1	0311	SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401

WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER

DATE RECEIVED (WRA USE ONLY) 8-13

3-8-74
DATE WELL COMPLETED 15 20

DEPTH OF WELL: 125 (22 (TO NEAREST FOOT) 26)

PERMIT NO. FROM "PERMIT TO DRILL WELL": HA-73-1461 (28 29 30 31 32 33 34 35 36 37)

DRILLERS IDENTIFICATION NO. 88

OWNER: SOUTHLAND CORP. (LAST NAME / FIRST NAME)

STREET OR RFD: 8605 OLD HARFORD RD POST OFFICE: BALTO. MD

WELL DESCRIPTION

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET FROM	FEET TO	CHECK IF WATER BEARING
EARTH	0	3	
SOFT MICA ROCK	3	58	
BROWN MICA ROCK	58	89	
GRAY MICA ROCK	89	125	

Fusion Grille Woody 11/29/00

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX): YES [Y] (circled) 24 NO [N] 44

TYPE OF GROUTING MATERIAL (CIRCLE BOX): CEMENT [C M] (circled) 45 46 BENTONITE CLAY [B C] 45 46

NO. OF BAGS: 8 NO. OF POUNDS: 720

GALLONS OF WATER: 48

DEPTH OF GROUT SEAL (TO NEAREST FOOT)
FROM 0 FT. (48 52) TO 57 FT. (54 58)
(ENTER 0 IF FROM SURFACE)

CASING RECORD

CASING TYPES — INSERT APPROPRIATE CODE BELOW: [S T] STEEL, [C O] CONCRETE, [P L] PLASTIC, [O T] OTHER

MAIN CASING TYPE	NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH)	TOTAL DEPTH OF MAIN CASING (NEAREST FOOT)
ST (60 61)	6 (63 64)	65 (66 70)

OTHER CASING (IF USED)

EACH CASING — DIAMETER (INCH) — DEPTH (FEET) FROM — TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE — INSERT APPROPRIATE CODE BELOW: [S T] STEEL, [B R] BRASS OR BRONZE, [H O] OPEN HOLE, [P L] PLASTIC, [O T] OTHER

C 2 (1 2 3 (SEQ. NO.) 6)

DEPTH (NEAREST WHOLE FOOT)

EACH SCREEN	TYPE	FROM	TO
1	HO (8 9)	65 (11 15)	125 (17 21)
2	(23 24)	(26 30)	(32 36)
3	(38 39)	(41 45)	(47 51)

SLOT SIZE 1. ____ 2. ____ 3. ____

DIAMETER OF SCREEN ____ (56 60) (NEAREST INCH)

GRAVEL PACK FROM ____ TO ____

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 [F]

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T 70 TELESCOPE CASING — (E.R.O.S.) 72 LOG INDICATOR — W Q 74 75 76 OTHER DATA AVAILABLE

CIRCLE APPROPRIATE BOXES

[A] A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

[E] ELECTRIC LOG OBTAINED

[P] TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME (PLEASE PRINT): Quay Baker

SIGNATURE: [signature]

C 3 (1 2 3 (SEQ. NO.) 6)

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR): 1 (8 9)

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON): 10 (11 15)

METHOD USED TO MEASURE PUMPING RATE: AIR

WATER LEVEL: (DISTANCE FROM LAND SURFACE)
BEFORE PUMPING: 35 (17 20) (NEAREST FOOT)
WHEN PUMPING: 123 (22 25) (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)
[A] AIR (circled) 27, [P] PISTON 27, [T] TURBINE 27, [C] CENTRIFUGAL 27, [R] ROTARY 27, [O] OTHER (DESCRIBE BELOW) 27, [J] JET 27, [S] SUBMERSIBLE 27

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX — SEE ABOVE: A, C, J, P, R, S, T, O) 29

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX): YES [Y] NO [N] (circled)

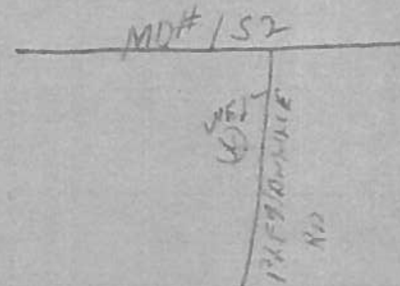
CAPACITY:
GALLONS PER MINUTE (TO NEAREST GALLON) (31 35)
PUMP HORSE POWER (37 41)
PUMP COLUMN LENGTH (NEAREST FOOT) (43 47)

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

[+] ABOVE (circled) / [−] BELOW 49 — LAND SURFACE: 2 (50 51) (NEAREST FOOT)

LOCATION OF WELL ON LOT

N — SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).



HEALTH

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2320 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: 3/15/21	
Primary AECOM Sampler/Leader:	Emily Lills
Secondary AECOM Sampler/Helper:	Steve Strausbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Basement water system
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	Y (Iron / Sediment)
Sample from Pre-or post-water treatment system	Pre
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701

410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 11-30-20 Property Address: 2320 Pleasantville Road

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: Joel Baker

MAILING ADDRESS: 2320 Pleasantville Road

PHONE #: 443-690-7843 (home) _____ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: jzb70@hotmail.com

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (**YES**) **NO**
   (If **NO**, please stop here and return form)

3. What is the depth of the well? _____ feet Check here if unknown: ✓

4. Please provide the well permit number: _____ Check here if unknown: ✓

5. Does the well supply water for any other residences? **YES** (**NO**) **Unknown**
   If **YES**, how many? _____

6. Do you use the well water for drinking and/or cooking? (**YES**) **NO**

   If **NO**, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:
   bathing? (**YES**) **NO**
   washing clothes? (**YES**) **NO**
   lawn/garden/irrigation? (**YES**) **NO**

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Annapolis Junction, Maryland 20701

410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **NO**

   If **YES,**

   a. What type of water treatment system(s) do you have? (Circle all that apply)

   Softener
   Iron removal
   Sediment Filter
   Carbon Filter
   Turbidity removal
   pH adjustment
   Disinfection
   Chlorinators
   Acid neutralizer
   Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

   YES **NO** **NOT SURE**

   If YES, how can the system be bypassed? (Circle all that apply)

   Outside spigot bypasses treatment
   Faucet in basement
   Faucet on holding tank
   Treatment system can be shut off

   If **NO,**

   Is there an outside spigot from which we can take a sample? **YES** **NO**

   Where is the spigot located? _____

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **YES** **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

Call anytime and can arrange to let someone in. Not a problem.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2108 Fallston Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: 3/15/21	
Primary AECOM Sampler/Leader:	Emily Lillis
Secondary AECOM Sampler/Helper:	Steve Strawbridge
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Bathroom Sink
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	N
Sample from Pre-or post-water treatment system	Y
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

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430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 12-23-2020 Property Address: 2105 2100 FALLSTON RD

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: FREDERICK PARKER (FALLSTON SHOPPING CENTER, LLC)

MAILING ADDRESS: PO BOX 114, JARRETTSVILLE, MD 21084

PHONE #: 410-692-5316 (home) _____ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: FALLDENT@AOL.COM

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (YES) NO
(If NO, please stop here and return form)

3. What is the depth of the well? _____ feet Check here if unknown: ✓

4. Please provide the well permit number: _____ Check here if unknown: ✓

5. Does the well supply water for any other residences? (YES) NO Unknown
If YES, how many? 2

6. Do you use the well water for drinking and/or cooking? (YES) NO

If NO, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:

bathing?	YES	(NO)
washing clothes?	(YES)	NO
lawn/garden/irrigation?	YES	(NO)

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Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? YES **NO**

   If **YES**,

   a. What type of water treatment system(s) do you have? (Circle all that apply)

   Softener
   Iron removal
   Sediment Filter
   Carbon Filter
   Turbidity removal
   pH adjustment
   Disinfection
   Chlorinators
   Acid neutralizer
   Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

   YES NO NOT SURE

   If YES, how can the system be bypassed? (Circle all that apply)

   Outside spigot bypasses treatment
   Faucet in basement
   Faucet on holding tank
   Treatment system can be shut off

   If **NO**,

   Is there an outside spigot from which we can take a sample? YES **NO**

   Where is the spigot located? FALLSTON DENTAL CARE OR VINCOS CRAB HOUSE

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **YES** NO

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2019 Fallston Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: 3/15/21	
Primary AECOM Sampler/Leader:	Emily Lutz
Secondary AECOM Sampler/Helper:	Steve Strausbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	office sink tap
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	N
Sample from Pre-or post-water treatment system	X
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	V
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	V
Pre-sampling observations or issues noted by AECOM samplers:	NA
Post-sampling observation or issues noted by AECOM samplers:	NA

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 12-15-2020 Property Address: 2019 Fallston Rd 21047

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: Jean Chenworth, Charles or William Thomas

MAILING ADDRESS: 2019 Fallston Rd Fallston 21047

PHONE #: 410 692 2135 (home) 410 879 9688 (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: jchenworth@hotmail.com

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (YES) NO
(If NO, please stop here and return form)

3. What is the depth of the well? ? feet Check here if unknown: ✓

4. Please provide the well permit number: _____ Check here if unknown: ✓

5. Does the well supply water for any other residences? YES (NO) Unknown
If YES, how many? _____

6. Do you use the well water for drinking and/or cooking? (YES) NO

If NO, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:
bathing? (YES) NO
washing clothes? (YES) NO
lawn/garden/irrigation? YES (NO)

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Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? YES (NO)

   If **YES**,

   a. What type of water treatment system(s) do you have? (Circle all that apply)

      Softener
      Iron removal
      Sediment Filter
      Carbon Filter
      Turbidity removal
      pH adjustment
      Disinfection
      Chlorinators
      Acid neutralizer
      Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

      YES NO NOT SURE

      If YES, how can the system be bypassed? (Circle all that apply)

      Outside spigot bypasses treatment
      Faucet in basement
      Faucet on holding tank
      Treatment system can be shut off

   If **NO**,

   Is there an outside spigot from which we can take a sample? (YES) NO

   Where is the spigot located? back house

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? (YES) NO

10. Please provide any other information that you feel would be helpful for us to know about your well.

Someone is there at the sawmill
M-F 8-4:30
Sat 8-Noon

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2414 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: 3/15/21	
Primary AECOM Sampler/Leader:	Emily Lilli
Secondary AECOM Sampler/Helper:	Steve Strausbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	outside spigot
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	N
Sample from Pre-or post-water treatment system	X
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	NA
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701

410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 12/2/2020. Property Address: 2418 Pleasantville Rd Fallston 21047.

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: John Quigley

MAILING ADDRESS: 2418 Pleasantville rd Fallston 21047.

PHONE #: 410 459-9856 (home) _____ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: JQuigley@Comcast.net

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (YES) NO
(If NO, please stop here and return form)

3. What is the depth of the well? 180 feet Check here if unknown: _____

4. Please provide the well permit number: _____ Check here if unknown: ✓

5. Does the well supply water for any other residences? YES (NO) Unknown
If YES, ~~how many?~~ _____

6. Do you use the well water for drinking and/or cooking? (YES) NO

If NO, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:
bathing? (YES) NO
washing clothes? (YES) NO
lawn/garden/irrigation? (YES) NO

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Annapolis Junction, Maryland 20701

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410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **NO**

   If **YES,**

   a. What type of water treatment system(s) do you have? (Circle all that apply)

   Softener
   Iron removal
   Sediment Filter
   Carbon Filter
   Turbidity removal
   pH adjustment
   Disinfection
   Chlorinators
   Acid neutralizer
   Other: (please specify): N/A

   b. Can the treatment system be bypassed to collect an untreated water sample?

   YES NO NOT SURE N/A

   If YES, how can the system be bypassed? (Circle all that apply)

   Outside spigot bypasses treatment
   Faucet in basement
   Faucet on holding tank
   Treatment system can be shut off

   If **NO,**

   Is there an outside spigot from which we can take a sample? **YES** **NO**

   Where is the spigot located? Driveway side of house

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **YES** **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2101 Fallston Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling:	3/15/21
Primary AECOM Sampler/Leader:	Emily Cates
Secondary AECOM Sampler/Helper:	Steve Strausbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Utility room sink
Picture taken of sampling location (Y/N – if no then why)	Y
If NO, list issue	
Is there a water treatment system	No
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	X
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	X
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	X
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: December 9, 2020 Property Address: 2400 Pleasantville Rd., Fallston, MD. 21047

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: Benjamin D. Orlando

MAILING ADDRESS: P.O. Box 230

PHONE #: 410-557-7000 (home) _____ (work) _____ (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: CMR7000@aol.com

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? **YES** (**NO**)
(If NO, please stop here and return form)

3. What is the depth of the well? _____ feet Check here if unknown: _____

4. Please provide the well permit number: _____ Check here if unknown: _____

5. Does the well supply water for any other residences? **YES** **NO** **Unknown**
If **YES**, how many? _____

6. Do you use the well water for drinking and/or cooking? **YES** **NO**

If **NO**, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:

bathing?	**YES**	**NO**
washing clothes?	**YES**	**NO**
lawn/garden/irrigation?	**YES**	**NO**

AECOM
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Annapolis Junction, Maryland 20701
410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **NO**

   If **YES**,

   a. What type of water treatment system(s) do you have? (Circle all that apply)

      Softener
      Iron removal
      Sediment Filter
      Carbon Filter
      Turbidity removal
      pH adjustment
      Disinfection
      Chlorinators
      Acid neutralizer
      Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

      YES NO NOT SURE

      If YES, how can the system be bypassed? (Circle all that apply)

      Outside spigot bypasses treatment
      Faucet in basement
      Faucet on holding tank
      Treatment system can be shut off

   If **NO**,

   Is there an outside spigot from which we can take a sample? **YES** **NO**

   Where is the spigot located? _____

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **YES** **NO**

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2118 Fallston Road
Written Access Agreement Obtained ahead of time (Y/N):	Y
Date of Sampling: 3/15/21	
Primary AECOM Sampler/Leader:	Emily Lillis
Secondary AECOM Sampler/Helper:	Steve Strausbaugh
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	Y
Any identified issues pre-sampling (Y/N):	N
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	Kitchen Tap
Picture taken of sampling location (Y/N – if no then why)	Yes
If NO, list issue	
Is there a water treatment system	Yes (sediment)
Sample from Pre-or post-water treatment system	Pre
Any issues with water flow or sampling collection (Y/N)	N
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	N
If YES, list issue	
Any post sampling issues with occupant (Y/N)	N
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	N/A
Post-sampling observation or issues noted by AECOM samplers:	N/A

Attachment:

- Copy of site-specific signed Residential Access Agreement

AECOM
430 National Business Parkway, Suite 190
Annapolis Junction, Maryland 20701

410.379.6900 tel
410.379.6901 fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most appropriate response, and return this form to us within 5 days of receipt.

Date: 12/2/2020 Property Address: 2118 Fallston Rd

1. Indicate your relationship to this property. (Circle one)

(Property Owner) Renter/Lessee Other (please explain) _____

Please provide your contact information and address.

NAME: Dennis + Jane Swiger

MAILING ADDRESS: 2118 Fallston Rd Fallston MD 21047

PHONE #: _____ (home) _____ (work) 443-324-7543 (cell)

Please circle the phone number above that you prefer we use to contact you.

E-MAIL ADDRESS: Neverhomejane@gmail.com Neverhomeden@gmail.com

If you are a renter or tenant, please provide the owner's contact information.

NAME: _____

PROPERTY ADDRESS: _____

PHONE #: _____ (home) _____ (work) _____ (cell)

2. Is any of the water used at the residence supplied by a well? (YES) NO
   (If NO, please stop here and return form)

3. What is the depth of the well? 400 feet Check here if unknown: _____

4. Please provide the well permit number: _____ Check here if unknown: _____

5. Does the well supply water for any other residences? YES (NO) Unknown
   If YES, how many? _____

6. Do you use the well water for drinking and/or cooking? (YES) NO

   If NO, what is the source of your drinking/cooking water? _____

7. Do you use the well water for:
   bathing? (YES) NO
   washing clothes? (YES) NO
   lawn/garden/irrigation? (YES) NO

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Annapolis Junction, Maryland 20701

410.379.6900 tel
410.379.6901 fax

8. We would like to sample untreated water.

   Do you have any treatment system(s) on the well? **YES** **NO**

   If **YES,**

   a. What type of water treatment system(s) do you have? (Circle all that apply)

      Softener
      Iron removal
      Sediment Filter
      Carbon Filter
      Turbidity removal
      pH adjustment
      Disinfection
      Chlorinators
      Acid neutralizer
      Other: (please specify): _____

   b. Can the treatment system be bypassed to collect an untreated water sample?

      YES **NO** **NOT SURE**

      If YES, how can the system be bypassed? (Circle all that apply)

      Outside spigot bypasses treatment
      Faucet in basement
      Faucet on holding tank
      Treatment system can be shut off

   If **NO,**

   Is there an outside spigot from which we can take a sample? **YES** **NO**

   Where is the spigot located? back of home, to right of steps

9. If we cannot take an untreated sample from the outside spigot, would it be possible to schedule a meeting with someone at this location on a weekday to collect a water sample? **YES** **NO**
   prefer

10. Please provide any other information that you feel would be helpful for us to know about your well.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2414 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	
Date of Sampling: 3/15/21 No sample	
Primary AECOM Sampler/Leader:	
Secondary AECOM Sampler/Helper:	
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	
Any identified issues pre-sampling (Y/N):	
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	
Picture taken of sampling location (Y/N – if no then why)	
If NO, list issue	
Is there a water treatment system	
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	
If YES, list issue	
Any post sampling issues with occupant (Y/N)	
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	AECom Stopped by property, nobody was there
Post-sampling observation or issues noted by AECOM samplers:	

Attachment:

- Copy of site-specific signed Residential Access Agreement

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2322 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	
Date of Sampling: 3/15/21 NO SAMPLE	
Primary AECOM Sampler/Leader:	
Secondary AECOM Sampler/Helper:	
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	
Any identified issues pre-sampling (Y/N):	
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	
Picture taken of sampling location (Y/N – if no then why)	
If NO, list issue	
Is there a water treatment system	
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	
If YES, list issue	
Any post sampling issues with occupant (Y/N)	
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	AECOM stopped by residence, tenant indicated that he attempted to contact property owner, but has gotten no response. He was not comfortable providing the owner's contact info until he can talk to him first.
Post-sampling observation or issues noted by AECOM samplers:	

Attachment:

- Copy of site-specific signed Residential Access Agreement

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

5/10/21

Residential Address:	2322 Pleasantville
Written Access Agreement Obtained ahead of time (Y/N):	
Date of Sampling:	
Primary AECOM Sampler/Leader:	
Secondary AECOM Sampler/Helper:	
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	
Any identified issues pre-sampling (Y/N):	
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	
Picture taken of sampling location (Y/N – if no then why)	
If NO, list issue	
Is there a water treatment system	
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	
If YES, list issue	
Any post sampling issues with occupant (Y/N)	
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	
Post-sampling observation or issues noted by AECOM samplers:	

Attachment:

- Copy of site-specific signed Residential Access Agreement

Access agreement 3rd Notification dropped off to renter.

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2414 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	
Date of Sampling: 5/10/21	
Primary AECOM Sampler/Leader:	
Secondary AECOM Sampler/Helper:	
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	
Any identified issues pre-sampling (Y/N):	
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	
Picture taken of sampling location (Y/N – if no then why)	
If NO, list issue	
s there a water treatment system	
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	
If YES, list issue	
Any post sampling issues with occupant (Y/N)	
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	Dropped off to owners son. He will have
Post-sampling observation or issues noted by AECOM samplers:	the owner sign and mail back to us

Attachment:

- Copy of site-specific signed Residential Access Agreement

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2404 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	
Date of Sampling: 3/15/21 NO SAMPLE	
Primary AECOM Sampler/Leader:	
Secondary AECOM Sampler/Helper:	
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	
Any identified issues pre-sampling (Y/N):	
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	
Picture taken of sampling location (Y/N – if no then why)	
If NO, list issue	
Is there a water treatment system	
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	
If YES, list issue	
Any post sampling issues with occupant (Y/N)	
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	AECOM left the TAA packet with the receptionist with clear instructions to give the TAA to the owner.
Post-sampling observation or issues noted by AECOM samplers:	

Attachment:

- Copy of site-specific signed Residential Access Agreement

CHECKLIST FOR RESIDENTIAL WATER SAMPLING

7-Eleven Store # 22281
Address: 2400 Pleasantville Road
City: Fallston
State: Maryland

Residential Address:	2400 Pleasantville Road
Written Access Agreement Obtained ahead of time (Y/N):	
Date of Sampling: 5/10/21	
Primary AECOM Sampler/Leader:	
Secondary AECOM Sampler/Helper:	
Verbal verification that occupant approved sampling (Y/N – *if NO, then sampling should not be performed*):	
Any identified issues pre-sampling (Y/N):	
If YES, list issue	
Sampling location (outside tap, kitchen tap, etc.)	
Picture taken of sampling location (Y/N – if no then why)	
If NO, list issue	
Is there a water treatment system	
Sample from Pre-or post-water treatment system	
Any issues with water flow or sampling collection (Y/N)	
If YES, list issue	
Any issues with water quality (cloudy, odor, sediment, etc.) (Y/N)	
If YES, list issue	
Any post sampling issues with occupant (Y/N)	
If yes, list issue	
Pre-sampling observations or issues noted by AECOM samplers:	Dr. Thomas was not in.
Post-sampling observation or issues noted by AECOM samplers:	

Attachment:

- Copy of site-specific signed Residential Access Agreement

Attachment C
Sampling Photolog

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
7-Eleven, Inc.	7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland	60144763

Photo No.	Date:
1	3/15/21

Direction Photo Taken:

N/A

Description:

2019 Fallston Road sample collection.

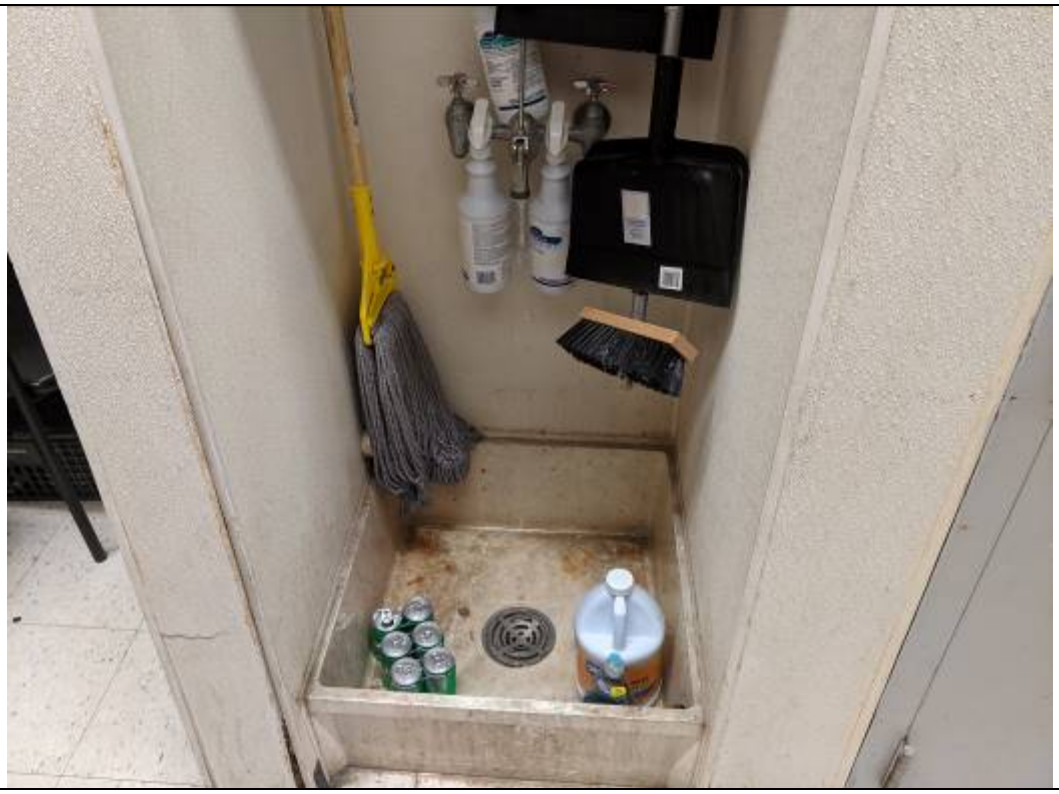
Photo No.	Date:
2	3/15/21

Direction Photo Taken:

N/A

Description:

2101 Fallston sample collection



PHOTOGRAPHIC LOG

Client Name: 7-Eleven, Inc.	**Site Location:** 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland	**Project No.** 60144763

Photo No. 3	**Date:** 3/15/21

Direction Photo Taken:

N/A

Description:

2108 Fallston Road sample collection.

Photo No. 4	**Date:** 3/15/21

Direction Photo Taken:

N/A

Description:

2402 Pleasantville Road sample collection.

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
7-Eleven, Inc.	7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland	60144763

Photo No.	Date:
5	4/26/21

Direction Photo Taken:

N/A

Description:

2403 Pleasantville Road sample collection.

Photo No.	Date:
6	4/26/21

Direction Photo Taken:

N/A

Description:

2410 Pleasantville Road sample collection.

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
7-Eleven, Inc.	7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland	60144763

Photo No.	Date:
7	4/26/21

Direction Photo Taken:

N/A

Description:

2318 Pleasantville Road sample collection.

Photo No.	Date:
8	3/15/21

Direction Photo Taken:

N/A

Description:

2320 Pleasantville Road sample collection.

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
7-Eleven, Inc.	7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland	60144763

Photo No.	Date:
9	3/15/21

Direction Photo Taken:

N/A

Description:

2418 Pleasantville Road sample collection.

Photo No.	Date:
10	3/15/21

Direction Photo Taken:

N/A

Description:

2118 Fallston Road sample collection.

PHOTOGRAPHIC LOG

Client Name: 7-Eleven, Inc.	**Site Location:** 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland	**Project No.** 60144763

Photo No. 11	**Date:** 4/26/21
Direction Photo Taken: N/A	
Description: 2118 Round Hill Road sample collection.	

Photo No. 12	**Date:** 5/10/21
Direction Photo Taken: N/A	
Description: 2120 Round Hill Road sample collection.	

Attachment D
Analytical Laboratory Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-203296-1
Laboratory Sample Delivery Group: Fallston, MD
Client Project/Site: 7-11 No 22281 (MD)

For:
AECOM
430 National Business Parkway
Suite 190
Annapolis Junction, Maryland 20701

Attn: Ms. Rachael Allen

Authorized for release by:
5/20/2021 3:11:14 PM

Lauren Evans, Project Manager I
(615)301-5034
Lauren.Evans@Eurofinset.com

Table of Contents

Case Narrative

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Job ID: 400-203296-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-203296-1

Comments
No additional comments.

Receipt
The sample was received on 5/12/2021 9:53 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3º C.

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

Detection Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Client Sample ID: 2120 ROUND HILL ROAD — Lab Sample ID: 400-203296-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.504		0.500		ug/L	1		524.2	Total/NA
Methyl tert-butyl ether	1.08		0.500		ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-203296-1	2120 ROUND HILL ROAD	Water	05/10/21 16:30	05/12/21 09:53	

Client Sample ID: 2120 ROUND HILL ROAD

Date Collected: 05/10/21 16:30
Date Received: 05/12/21 09:53

Lab Sample ID: 400-203296-1

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			05/19/21 16:59	1
1,1,1-Trichloroethane	ND		0.500		ug/L			05/19/21 16:59	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			05/19/21 16:59	1
1,1,2-Trichloroethane	ND		0.500		ug/L			05/19/21 16:59	1
1,1-Dichloroethane	ND		0.500		ug/L			05/19/21 16:59	1
1,1-Dichloroethene	ND		0.500		ug/L			05/19/21 16:59	1
1,1-Dichloropropene	ND		0.500		ug/L			05/19/21 16:59	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			05/19/21 16:59	1
1,2,3-Trichloropropane	ND		0.500		ug/L			05/19/21 16:59	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			05/19/21 16:59	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			05/19/21 16:59	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			05/19/21 16:59	1
1,2-Dichlorobenzene	ND		0.500		ug/L			05/19/21 16:59	1
1,2-Dichloroethane	ND		0.500		ug/L			05/19/21 16:59	1
1,2-Dichloropropane	ND		0.500		ug/L			05/19/21 16:59	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
1,3-Dichlorobenzene	ND		0.500		ug/L			05/19/21 16:59	1
1,3-Dichloropropane	ND		0.500		ug/L			05/19/21 16:59	1
1,4-Dichlorobenzene	ND		0.500		ug/L			05/19/21 16:59	1
2,2-Dichloropropane	ND		0.500		ug/L			05/19/21 16:59	1
2-Chlorotoluene	ND		0.500		ug/L			05/19/21 16:59	1
4-Chlorotoluene	ND		0.500		ug/L			05/19/21 16:59	1
Benzene	ND		0.500		ug/L			05/19/21 16:59	1
Bromobenzene	ND		0.500		ug/L			05/19/21 16:59	1
Bromochloromethane	ND		0.500		ug/L			05/19/21 16:59	1
Bromodichloromethane	ND		0.500		ug/L			05/19/21 16:59	1
Bromoform	ND		0.500		ug/L			05/19/21 16:59	1
Bromomethane	ND		1.00		ug/L			05/19/21 16:59	1
Carbon tetrachloride	ND		0.500		ug/L			05/19/21 16:59	1
Chlorobenzene	ND		0.500		ug/L			05/19/21 16:59	1
Chlorodibromomethane	ND		0.500		ug/L			05/19/21 16:59	1
Chloroethane	ND		1.00		ug/L			05/19/21 16:59	1
Chloroform	**0.504**		0.500		ug/L			05/19/21 16:59	1
Chloromethane	ND		0.500		ug/L			05/19/21 16:59	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			05/19/21 16:59	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			05/19/21 16:59	1
Dibromomethane	ND		0.500		ug/L			05/19/21 16:59	1
Dichlorodifluoromethane	ND		0.500		ug/L			05/19/21 16:59	1
Ethylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
Hexachlorobutadiene	ND		0.500		ug/L			05/19/21 16:59	1
Isopropylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
Methylene Chloride	ND		0.500		ug/L			05/19/21 16:59	1
Naphthalene	ND		1.00		ug/L			05/19/21 16:59	1
n-Butylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
N-Propylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
p-Isopropyltoluene	ND		0.500		ug/L			05/19/21 16:59	1
sec-Butylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
Styrene	ND		0.500		ug/L			05/19/21 16:59	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Client Sample ID: 2120 ROUND HILL ROAD
Date Collected: 05/10/21 16:30
Date Received: 05/12/21 09:53

Lab Sample ID: 400-203296-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			05/19/21 16:59	1
Tetrachloroethene	ND		0.500		ug/L			05/19/21 16:59	1
Toluene	ND		0.500		ug/L			05/19/21 16:59	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			05/19/21 16:59	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			05/19/21 16:59	1
Trichloroethene	ND		0.500		ug/L			05/19/21 16:59	1
Trichlorofluoromethane	ND		0.500		ug/L			05/19/21 16:59	1
Vinyl chloride	ND		0.500		ug/L			05/19/21 16:59	1
Tert-amyl methyl ether	ND		0.500		ug/L			05/19/21 16:59	1
Diisopropyl ether	ND		0.500		ug/L			05/19/21 16:59	1
Methyl tert-butyl ether	**1.08**		0.500		ug/L			05/19/21 16:59	1
Xylenes, Total	ND		0.500		ug/L			05/19/21 16:59	1
Ethyl tert-butyl ether	ND		0.500		ug/L			05/19/21 16:59	1
tert-Butyl alcohol	ND		10.0		ug/L			05/19/21 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*72*		*70 - 130*		*05/19/21 16:59*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*115*		*70 - 130*		*05/19/21 16:59*	*1*

Definitions/Glossary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB	DCZ
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
400-203296-1	2120 ROUND HILL ROAD	72	115
LCS 680-669198/3	Lab Control Sample	89	105
LCSD 680-669198/4	Lab Control Sample Dup	89	108
MB 680-669198/8	Method Blank	75	120

Surrogate Legend

BFB = 4-Bromofluorobenzene
DCZ = 1,2-Dichlorobenzene-d4 (Surr)

GC/MS VOA

Analysis Batch: 669198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-203296-1	2120 ROUND HILL ROAD	Total/NA	Water	524.2	
MB 680-669198/8	Method Blank	Total/NA	Water	524.2	
LCS 680-669198/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-669198/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-669198/8
Matrix: Water
Analysis Batch: 669198

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			05/19/21 13:08	1
1,1,1-Trichloroethane	ND		0.500		ug/L			05/19/21 13:08	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			05/19/21 13:08	1
1,1,2-Trichloroethane	ND		0.500		ug/L			05/19/21 13:08	1
1,1-Dichloroethane	ND		0.500		ug/L			05/19/21 13:08	1
1,1-Dichloroethene	ND		0.500		ug/L			05/19/21 13:08	1
1,1-Dichloropropene	ND		0.500		ug/L			05/19/21 13:08	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			05/19/21 13:08	1
1,2,3-Trichloropropane	ND		0.500		ug/L			05/19/21 13:08	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			05/19/21 13:08	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			05/19/21 13:08	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			05/19/21 13:08	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			05/19/21 13:08	1
1,2-Dichlorobenzene	ND		0.500		ug/L			05/19/21 13:08	1
1,2-Dichloroethane	ND		0.500		ug/L			05/19/21 13:08	1
1,2-Dichloropropane	ND		0.500		ug/L			05/19/21 13:08	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/19/21 13:08	1
1,3-Dichlorobenzene	ND		0.500		ug/L			05/19/21 13:08	1
1,3-Dichloropropane	ND		0.500		ug/L			05/19/21 13:08	1
1,4-Dichlorobenzene	ND		0.500		ug/L			05/19/21 13:08	1
2,2-Dichloropropane	ND		0.500		ug/L			05/19/21 13:08	1
2-Chlorotoluene	ND		0.500		ug/L			05/19/21 13:08	1
4-Chlorotoluene	ND		0.500		ug/L			05/19/21 13:08	1
Benzene	ND		0.500		ug/L			05/19/21 13:08	1
Bromobenzene	ND		0.500		ug/L			05/19/21 13:08	1
Bromochloromethane	ND		0.500		ug/L			05/19/21 13:08	1
Bromodichloromethane	ND		0.500		ug/L			05/19/21 13:08	1
Bromoform	ND		0.500		ug/L			05/19/21 13:08	1
Bromomethane	ND		1.00		ug/L			05/19/21 13:08	1
Carbon tetrachloride	ND		0.500		ug/L			05/19/21 13:08	1
Chlorobenzene	ND		0.500		ug/L			05/19/21 13:08	1
Chlorodibromomethane	ND		0.500		ug/L			05/19/21 13:08	1
Chloroethane	ND		1.00		ug/L			05/19/21 13:08	1
Chloroform	ND		0.500		ug/L			05/19/21 13:08	1
Chloromethane	ND		0.500		ug/L			05/19/21 13:08	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			05/19/21 13:08	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			05/19/21 13:08	1
Dibromomethane	ND		0.500		ug/L			05/19/21 13:08	1
Dichlorodifluoromethane	ND		0.500		ug/L			05/19/21 13:08	1
Ethylbenzene	ND		0.500		ug/L			05/19/21 13:08	1
Hexachlorobutadiene	ND		0.500		ug/L			05/19/21 13:08	1
Isopropylbenzene	ND		0.500		ug/L			05/19/21 13:08	1
Methylene Chloride	ND		0.500		ug/L			05/19/21 13:08	1
Naphthalene	ND		1.00		ug/L			05/19/21 13:08	1
n-Butylbenzene	ND		0.500		ug/L			05/19/21 13:08	1
N-Propylbenzene	ND		0.500		ug/L			05/19/21 13:08	1
p-Isopropyltoluene	ND		0.500		ug/L			05/19/21 13:08	1
sec-Butylbenzene	ND		0.500		ug/L			05/19/21 13:08	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-669198/8
Matrix: Water
Analysis Batch: 669198

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.500		ug/L			05/19/21 13:08	1
tert-Butylbenzene	ND		0.500		ug/L			05/19/21 13:08	1
Tetrachloroethene	ND		0.500		ug/L			05/19/21 13:08	1
Toluene	ND		0.500		ug/L			05/19/21 13:08	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			05/19/21 13:08	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			05/19/21 13:08	1
Trichloroethene	ND		0.500		ug/L			05/19/21 13:08	1
Trichlorofluoromethane	ND		0.500		ug/L			05/19/21 13:08	1
Vinyl chloride	ND		0.500		ug/L			05/19/21 13:08	1
Tert-amyl methyl ether	ND		0.500		ug/L			05/19/21 13:08	1
Diisopropyl ether	ND		0.500		ug/L			05/19/21 13:08	1
Methyl tert-butyl ether	ND		0.500		ug/L			05/19/21 13:08	1
Xylenes, Total	ND		0.500		ug/L			05/19/21 13:08	1
Ethyl tert-butyl ether	ND		0.500		ug/L			05/19/21 13:08	1
tert-Butyl alcohol	ND		10.0		ug/L			05/19/21 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*70 - 130*		*05/19/21 13:08*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*120*		*70 - 130*		*05/19/21 13:08*	*1*

Lab Sample ID: LCS 680-669198/3
Matrix: Water
Analysis Batch: 669198

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	21.64		ug/L		108	70 - 130
1,1,1-Trichloroethane	20.0	22.36		ug/L		112	70 - 130
1,1,2,2-Tetrachloroethane	20.0	20.08		ug/L		100	70 - 130
1,1,2-Trichloroethane	20.0	20.54		ug/L		103	70 - 130
1,1-Dichloroethane	20.0	21.40		ug/L		107	70 - 130
1,1-Dichloroethene	20.0	18.87		ug/L		94	70 - 130
1,1-Dichloropropene	20.0	21.21		ug/L		106	70 - 130
1,2,3-Trichlorobenzene	20.0	18.75		ug/L		94	70 - 130
1,2,3-Trichloropropane	20.0	20.10		ug/L		101	70 - 130
1,2,4-Trichlorobenzene	20.0	19.05		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	20.0	20.37		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	17.98		ug/L		90	70 - 130
1,2-Dibromoethane (EDB)	20.0	19.58		ug/L		98	70 - 130
1,2-Dichlorobenzene	20.0	20.39		ug/L		102	70 - 130
1,2-Dichloroethane	20.0	22.49		ug/L		112	70 - 130
1,2-Dichloropropane	20.0	22.12		ug/L		111	70 - 130
1,3,5-Trimethylbenzene	20.0	20.24		ug/L		101	70 - 130
1,3-Dichlorobenzene	20.0	20.39		ug/L		102	70 - 130
1,3-Dichloropropane	20.0	19.96		ug/L		100	70 - 130
1,4-Dichlorobenzene	20.0	20.39		ug/L		102	70 - 130
2,2-Dichloropropane	20.0	22.26		ug/L		111	70 - 130
2-Chlorotoluene	20.0	19.65		ug/L		98	70 - 130
4-Chlorotoluene	20.0	20.31		ug/L		102	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-669198/3
Matrix: Water
Analysis Batch: 669198

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	21.81		ug/L		109	70 - 130
Bromobenzene	20.0	20.40		ug/L		102	70 - 130
Bromochloromethane	20.0	20.40		ug/L		102	70 - 130
Bromodichloromethane	20.0	22.14		ug/L		111	70 - 130
Bromoform	20.0	21.08		ug/L		105	70 - 130
Bromomethane	20.0	20.27		ug/L		101	70 - 130
Carbon tetrachloride	20.0	24.29		ug/L		121	70 - 130
Chlorobenzene	20.0	20.08		ug/L		100	70 - 130
Chlorodibromomethane	20.0	21.48		ug/L		107	70 - 130
Chloroethane	20.0	20.20		ug/L		101	70 - 130
Chloroform	20.0	20.92		ug/L		105	70 - 130
Chloromethane	20.0	23.53		ug/L		118	70 - 130
cis-1,2-Dichloroethene	20.0	20.77		ug/L		104	70 - 130
cis-1,3-Dichloropropene	20.0	20.56		ug/L		103	70 - 130
Dibromomethane	20.0	20.42		ug/L		102	70 - 130
Dichlorodifluoromethane	20.0	22.19		ug/L		111	70 - 130
Ethylbenzene	20.0	19.68		ug/L		98	70 - 130
Hexachlorobutadiene	20.0	21.78		ug/L		109	70 - 130
Isopropylbenzene	20.0	20.47		ug/L		102	70 - 130
Methylene Chloride	20.0	18.53		ug/L		93	70 - 130
Naphthalene	20.0	17.76		ug/L		89	70 - 130
n-Butylbenzene	20.0	20.68		ug/L		103	70 - 130
N-Propylbenzene	20.0	20.67		ug/L		103	70 - 130
p-Isopropyltoluene	20.0	20.40		ug/L		102	70 - 130
sec-Butylbenzene	20.0	20.68		ug/L		103	70 - 130
Styrene	20.0	19.49		ug/L		97	70 - 130
tert-Butylbenzene	20.0	20.02		ug/L		100	70 - 130
Tetrachloroethene	20.0	19.73		ug/L		99	70 - 130
Toluene	20.0	20.18		ug/L		101	70 - 130
trans-1,2-Dichloroethene	20.0	18.81		ug/L		94	70 - 130
trans-1,3-Dichloropropene	20.0	19.19		ug/L		96	70 - 130
Trichloroethene	20.0	22.62		ug/L		113	70 - 130
Trichlorofluoromethane	20.0	23.33		ug/L		117	70 - 130
Vinyl chloride	20.0	24.02		ug/L		120	70 - 130
Tert-amyl methyl ether	16.0	14.99		ug/L		94	70 - 130
Diisopropyl ether	16.0	17.40		ug/L		109	70 - 130
Methyl tert-butyl ether	20.0	19.74		ug/L		99	70 - 130
Xylenes, Total	40.0	39.66		ug/L		99	70 - 130
Ethyl tert-butyl ether	16.0	15.57		ug/L		97	70 - 130
tert-Butyl alcohol	200	185.7		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*105*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-669198/4
Matrix: Water
Analysis Batch: 669198

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	21.44		ug/L		107	70 - 130	1	20
1,1,1-Trichloroethane			20.0	22.33		ug/L		112	70 - 130	0	20
1,1,2,2-Tetrachloroethane			20.0	19.81		ug/L		99	70 - 130	1	20
1,1,2-Trichloroethane			20.0	20.20		ug/L		101	70 - 130	2	20
1,1-Dichloroethane			20.0	21.49		ug/L		107	70 - 130	0	20
1,1-Dichloroethene			20.0	19.64		ug/L		98	70 - 130	4	20
1,1-Dichloropropene			20.0	21.45		ug/L		107	70 - 130	1	20
1,2,3-Trichlorobenzene			20.0	18.84		ug/L		94	70 - 130	1	20
1,2,3-Trichloropropane			20.0	19.87		ug/L		99	70 - 130	1	20
1,2,4-Trichlorobenzene			20.0	18.99		ug/L		95	70 - 130	0	20
1,2,4-Trimethylbenzene			20.0	20.45		ug/L		102	70 - 130	0	20
1,2-Dibromo-3-Chloropropane			20.0	17.94		ug/L		90	70 - 130	0	20
1,2-Dibromoethane (EDB)			20.0	19.76		ug/L		99	70 - 130	1	20
1,2-Dichlorobenzene			20.0	20.60		ug/L		103	70 - 130	1	20
1,2-Dichloroethane			20.0	21.55		ug/L		108	70 - 130	4	20
1,2-Dichloropropane			20.0	21.66		ug/L		108	70 - 130	2	20
1,3,5-Trimethylbenzene			20.0	20.33		ug/L		102	70 - 130	0	20
1,3-Dichlorobenzene			20.0	20.40		ug/L		102	70 - 130	0	20
1,3-Dichloropropane			20.0	19.68		ug/L		98	70 - 130	1	20
1,4-Dichlorobenzene			20.0	20.55		ug/L		103	70 - 130	1	20
2,2-Dichloropropane			20.0	21.67		ug/L		108	70 - 130	3	20
2-Chlorotoluene			20.0	20.52		ug/L		103	70 - 130	4	20
4-Chlorotoluene			20.0	20.43		ug/L		102	70 - 130	1	20
Benzene			20.0	21.69		ug/L		108	70 - 130	1	20
Bromobenzene			20.0	20.19		ug/L		101	70 - 130	1	20
Bromochloromethane			20.0	20.15		ug/L		101	70 - 130	1	20
Bromodichloromethane			20.0	22.08		ug/L		110	70 - 130	0	20
Bromoform			20.0	21.24		ug/L		106	70 - 130	1	20
Bromomethane			20.0	21.49		ug/L		107	70 - 130	6	20
Carbon tetrachloride			20.0	24.14		ug/L		121	70 - 130	1	20
Chlorobenzene			20.0	20.59		ug/L		103	70 - 130	3	20
Chlorodibromomethane			20.0	21.33		ug/L		107	70 - 130	1	20
Chloroethane			20.0	20.54		ug/L		103	70 - 130	2	20
Chloroform			20.0	20.88		ug/L		104	70 - 130	0	20
Chloromethane			20.0	20.53		ug/L		103	70 - 130	14	20
cis-1,2-Dichloroethene			20.0	20.68		ug/L		103	70 - 130	0	20
cis-1,3-Dichloropropene			20.0	20.29		ug/L		101	70 - 130	1	20
Dibromomethane			20.0	20.14		ug/L		101	70 - 130	1	20
Dichlorodifluoromethane			20.0	24.40		ug/L		122	70 - 130	10	20
Ethylbenzene			20.0	20.04		ug/L		100	70 - 130	2	20
Hexachlorobutadiene			20.0	22.43		ug/L		112	70 - 130	3	20
Isopropylbenzene			20.0	20.73		ug/L		104	70 - 130	1	20
Methylene Chloride			20.0	19.37		ug/L		97	70 - 130	4	20
Naphthalene			20.0	17.80		ug/L		89	70 - 130	0	20
n-Butylbenzene			20.0	20.73		ug/L		104	70 - 130	0	20
N-Propylbenzene			20.0	20.87		ug/L		104	70 - 130	1	20
p-Isopropyltoluene			20.0	20.64		ug/L		103	70 - 130	1	20
sec-Butylbenzene			20.0	20.82		ug/L		104	70 - 130	1	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-669198/4
Matrix: Water
Analysis Batch: 669198

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
Styrene			20.0	20.25		ug/L		101	70 - 130	4	20
tert-Butylbenzene			20.0	19.95		ug/L		100	70 - 130	0	20
Tetrachloroethene			20.0	20.43		ug/L		102	70 - 130	3	20
Toluene			20.0	20.24		ug/L		101	70 - 130	0	20
trans-1,2-Dichloroethene			20.0	21.29		ug/L		106	70 - 130	12	20
trans-1,3-Dichloropropene			20.0	20.22		ug/L		101	70 - 130	5	20
Trichloroethene			20.0	22.15		ug/L		111	70 - 130	2	20
Trichlorofluoromethane			20.0	23.30		ug/L		117	70 - 130	0	20
Vinyl chloride			20.0	22.52		ug/L		113	70 - 130	6	20
Tert-amyl methyl ether			16.0	15.42		ug/L		96	70 - 130	3	20
Diisopropyl ether			16.0	17.58		ug/L		110	70 - 130	1	20
Methyl tert-butyl ether			20.0	20.35		ug/L		102	70 - 130	3	20
Xylenes, Total			40.0	39.95		ug/L		100	70 - 130	1	20
Ethyl tert-butyl ether			16.0	15.77		ug/L		99	70 - 130	1	20
tert-Butyl alcohol			200	188.8		ug/L		94	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*108*		*70 - 130*

Lab Chronicle

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Client Sample ID: 2120 ROUND HILL ROAD
Date Collected: 05/10/21 16:30
Date Received: 05/12/21 09:53

Lab Sample ID: 400-203296-1
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	524.2		1	5 mL	5 mL	669198	05/19/21 16:59	P1C	TAL SAV

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 680-669198/8
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	524.2		1	5 mL	5 mL	669198	05/19/21 13:08	P1C	TAL SAV

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 680-669198/3
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	524.2		1	5 mL	5 mL	669198	05/19/21 11:12	P1C	TAL SAV

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 680-669198/4
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	524.2		1	5 mL	5 mL	669198	05/19/21 11:36	P1C	TAL SAV

Laboratory References:

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

Method Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 400-203296-1
SDG: Fallston, MD

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-21
Alaska	State	GA00006	06-30-21
Alaska (UST)	State	17-016	09-22-22
ANAB	Dept. of Defense ELAP	L2463	09-22-22
ANAB	ISO/IEC 17025	L2463.01	09-22-22
Arkansas DEQ	State	19-015-0	02-01-22
California	State	2939	06-30-21
Connecticut	State	PH-0161	10-01-21
Florida	NELAP	E87052	06-30-21
Georgia	State	E87052	06-30-21
Georgia (DW)	State	803	06-30-21
Guam	State	19-007R	04-17-21 *
Hawaii	State	<cert No.>	06-30-21
Illinois	NELAP	200022	11-30-21
Indiana	State	C-GA-02	06-30-21
Iowa	State	353	06-30-21
Kentucky (UST)	State	NA	06-30-21
Louisiana	NELAP	02011	06-30-21
Louisiana (DW)	State	LA009	12-31-21
Maine	State	GA00006	09-25-22
Maryland	State	250	12-31-21
Massachusetts	State	M-GA006	06-30-21
Michigan	State	9925	06-30-21
Mississippi	State	<cert No.>	06-30-21
Nebraska	State	NE-OS-7-04	06-30-21
New Jersey	NELAP	GA769	06-30-21
New Mexico	State	GA00006	06-30-21
New York	NELAP	10842	04-01-22
North Carolina (DW)	State	13701	07-31-21
North Carolina (WW/SW)	State	269	12-31-21
Pennsylvania	NELAP	68-00474	06-30-21
Puerto Rico	State	GA00006	01-01-22
South Carolina	State	98001	06-30-21
Tennessee	State	02961	06-30-21
Texas	NELAP	T1047004185-19-14	11-30-21
Texas	TCEQ Water Supply	T104704185	06-30-21
US Fish & Wildlife	US Federal Programs	LE058448-0	08-01-21
USDA	US Federal Programs	P330-18-00313	10-29-21
Virginia	NELAP	10509	06-14-21
Washington	State	C805	06-10-21
West Virginia DEP	State	094	07-31-21
Wisconsin	State	999819810	08-31-21
Wyoming	State	8TMS-L	06-30-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

400-203296 COC

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Steve Strausbaugh	Lab PM: Evans, Lauren	Carrier Tracking No(s):	COC No:
Client Contact: Ms.Rachael Allen	Phone: 717-965-1329	E-Mail: lauren.evans@testamericainc.com		Page: Page
Company: AECOM				Job #:
Address: 430 National Business Parkway	Due Date Requested:		Analysis Requested	
City: Annapolis Junction	TAT Requested (days): Standard			
State, Zip: MD, 20701	PO #: Purchase Order Requested			
Phone: 301-289-3819(Tel)	WO #:			
Email: Rachael.Allen@aecom.com	Project #: 49002890			
Project Name: 7-Eleven 22281 Maryland	SSOW#:			
Site: Fallston Maryland				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2 Preserved Revision 3 Stamdard List + Oxys	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
2120 Round Hill Road	5/10/21	9:30 pm	G	W			X		

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Steve Strausbaugh	Date/Time: 5/11/21	Company 4:00 PM	Received by:	Date/Time: 5/12/21 953	Company EIA PEW		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.7

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Evans, Lauren R	Carrier Tracking No(s):	COC No: 400-268188.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Lauren.Evans@Eurofinset.com	State of Origin: Maryland	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 400-203296-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 5/20/2021			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: 7-11 No 22281 (MD)	Project #: 40012890			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2_Preserved/ (MOD) Revision 3 Standard List+ Oxys	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
2120 ROUND HILL ROAD (400-203296-1)	5/10/21	16:30 Eastern		Water			X	3	11-Jul

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kathy R Amy	5-13-21 1600	TA		5-14-21/0945	SAN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8/1.9

Ver: 11/01/2020

5/20/2021

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-203296-1
SDG Number: Fallston, MD

Login Number: 203296
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, Pensacola

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.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3°C IR-7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-203296-1
SDG Number: Fallston, MD

Login Number: 203296
List Number: 2
Creator: Mooken, Darmal

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/14/21 12:25 PM

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 (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 680-196294-1
Client Project/Site: 7-11 No 22281 (MD)

For:
AECOM
430 National Business Parkway
Suite 190
Annapolis Junction, Maryland 20701

Attn: Ms. Rachael Allen

Authorized for release by:
3/24/2021 1:26:42 PM

Lauren Evans, Project Manager I
(615)301-5034
Lauren.Evans@Eurofinset.com

Definitions/Glossary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Sample Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-196294-1	2019 Fallston Road	Water	03/15/21 09:25	03/16/21 10:20	
680-196294-2	2101 Fallston Road	Water	03/15/21 09:40	03/16/21 10:20	
680-196294-3	2418 Pleasantville Road	Water	03/15/21 09:55	03/16/21 10:20	
680-196294-4	2108 Fallston Road	Water	03/15/21 10:05	03/16/21 10:20	
680-196294-5	2320 Pleasantville Road	Water	03/15/21 10:25	03/16/21 10:20	
680-196294-6	2118 Fallston Road	Water	03/15/21 10:35	03/16/21 10:20	
680-196294-7	2402 Pleasantville Road	Water	03/15/21 11:40	03/16/21 10:20	

Job ID: 680-196294-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative
680-196294-1

Comments
No additional comments.

Receipt
The samples were received on 3/16/2021 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.5º C.

GC/MS VOA
Method 524.2: The initial calibration verification (ICV) result for batch 680-660838 was above the upper control limit. Sample results were non-detects, and have been reported as qualified data.

Method 524.2: The continuing calibration verification (CCV) associated with batch 680-660838 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 524.2: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-660838 recovered outside control limits for the following analytes: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 524.2: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-660838.

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

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2019 Fallston Road
Date Collected: 03/15/21 09:25
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 16:23	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 16:23	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 16:23	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 16:23	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 16:23	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 16:23	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 16:23	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 16:23	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 16:23	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 16:23	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 16:23	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 16:23	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 16:23	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 16:23	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 16:23	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 16:23	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 16:23	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 16:23	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 16:23	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 16:23	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 16:23	1
Benzene	ND		0.500		ug/L			03/23/21 16:23	1
Bromobenzene	ND		0.500		ug/L			03/23/21 16:23	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 16:23	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 16:23	1
Bromoform	ND		0.500		ug/L			03/23/21 16:23	1
Bromomethane	ND	*+	1.00		ug/L			03/23/21 16:23	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 16:23	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 16:23	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 16:23	1
Chloroethane	ND		1.00		ug/L			03/23/21 16:23	1
Chloroform	ND		0.500		ug/L			03/23/21 16:23	1
Chloromethane	ND		0.500		ug/L			03/23/21 16:23	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 16:23	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 16:23	1
Dibromomethane	ND		0.500		ug/L			03/23/21 16:23	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 16:23	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 16:23	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 16:23	1
Naphthalene	ND		1.00		ug/L			03/23/21 16:23	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 16:23	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
Styrene	ND		0.500		ug/L			03/23/21 16:23	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2019 Fallston Road
Date Collected: 03/15/21 09:25
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 16:23	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 16:23	1
Toluene	ND		0.500		ug/L			03/23/21 16:23	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 16:23	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 16:23	1
Trichloroethene	ND		0.500		ug/L			03/23/21 16:23	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 16:23	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 16:23	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 16:23	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 16:23	1
Methyl tert-butyl ether	ND		0.500		ug/L			03/23/21 16:23	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 16:23	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 16:23	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*03/23/21 16:23*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*70 - 130*		*03/23/21 16:23*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2101 Fallston Road
Date Collected: 03/15/21 09:40
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 16:51	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 16:51	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 16:51	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 16:51	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 16:51	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 16:51	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 16:51	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 16:51	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 16:51	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 16:51	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 16:51	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 16:51	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 16:51	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 16:51	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 16:51	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 16:51	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 16:51	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 16:51	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 16:51	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 16:51	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 16:51	1
Benzene	ND		0.500		ug/L			03/23/21 16:51	1
Bromobenzene	ND		0.500		ug/L			03/23/21 16:51	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 16:51	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 16:51	1
Bromoform	ND		0.500		ug/L			03/23/21 16:51	1
Bromomethane	ND	*+	1.00		ug/L			03/23/21 16:51	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 16:51	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 16:51	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 16:51	1
Chloroethane	ND		1.00		ug/L			03/23/21 16:51	1
Chloroform	ND		0.500		ug/L			03/23/21 16:51	1
Chloromethane	ND		0.500		ug/L			03/23/21 16:51	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 16:51	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 16:51	1
Dibromomethane	ND		0.500		ug/L			03/23/21 16:51	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 16:51	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 16:51	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 16:51	1
Naphthalene	ND		1.00		ug/L			03/23/21 16:51	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 16:51	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
Styrene	ND		0.500		ug/L			03/23/21 16:51	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2101 Fallston Road
Date Collected: 03/15/21 09:40
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 16:51	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 16:51	1
Toluene	ND		0.500		ug/L			03/23/21 16:51	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 16:51	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 16:51	1
Trichloroethene	ND		0.500		ug/L			03/23/21 16:51	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 16:51	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 16:51	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 16:51	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 16:51	1
Methyl tert-butyl ether	ND		0.500		ug/L			03/23/21 16:51	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 16:51	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 16:51	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*03/23/21 16:51*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*102*		*70 - 130*		*03/23/21 16:51*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2418 Pleasantville Road
Date Collected: 03/15/21 09:55
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 17:18	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 17:18	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 17:18	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 17:18	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 17:18	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 17:18	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 17:18	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 17:18	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 17:18	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 17:18	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 17:18	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 17:18	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 17:18	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 17:18	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 17:18	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 17:18	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 17:18	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 17:18	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 17:18	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 17:18	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 17:18	1
Benzene	ND		0.500		ug/L			03/23/21 17:18	1
Bromobenzene	ND		0.500		ug/L			03/23/21 17:18	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 17:18	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 17:18	1
Bromoform	ND		0.500		ug/L			03/23/21 17:18	1
Bromomethane	ND	*+	1.00		ug/L			03/23/21 17:18	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 17:18	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 17:18	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 17:18	1
Chloroethane	ND		1.00		ug/L			03/23/21 17:18	1
Chloroform	ND		0.500		ug/L			03/23/21 17:18	1
Chloromethane	ND		0.500		ug/L			03/23/21 17:18	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 17:18	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 17:18	1
Dibromomethane	ND		0.500		ug/L			03/23/21 17:18	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 17:18	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 17:18	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 17:18	1
Naphthalene	ND		1.00		ug/L			03/23/21 17:18	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 17:18	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
Styrene	ND		0.500		ug/L			03/23/21 17:18	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2418 Pleasantville Road
Date Collected: 03/15/21 09:55
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 17:18	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 17:18	1
Toluene	ND		0.500		ug/L			03/23/21 17:18	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 17:18	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 17:18	1
Trichloroethene	ND		0.500		ug/L			03/23/21 17:18	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 17:18	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 17:18	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 17:18	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 17:18	1
Methyl tert-butyl ether	ND		0.500		ug/L			03/23/21 17:18	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 17:18	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 17:18	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*03/23/21 17:18*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*70 - 130*		*03/23/21 17:18*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2108 Fallston Road
Date Collected: 03/15/21 10:05
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-4
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 17:46	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 17:46	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 17:46	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 17:46	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 17:46	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 17:46	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 17:46	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 17:46	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 17:46	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 17:46	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 17:46	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 17:46	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 17:46	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 17:46	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 17:46	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 17:46	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 17:46	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 17:46	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 17:46	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 17:46	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 17:46	1
Benzene	ND		0.500		ug/L			03/23/21 17:46	1
Bromobenzene	ND		0.500		ug/L			03/23/21 17:46	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 17:46	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 17:46	1
Bromoform	ND		0.500		ug/L			03/23/21 17:46	1
Bromomethane	ND	*+	1.00		ug/L			03/23/21 17:46	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 17:46	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 17:46	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 17:46	1
Chloroethane	ND		1.00		ug/L			03/23/21 17:46	1
Chloroform	ND		0.500		ug/L			03/23/21 17:46	1
Chloromethane	ND		0.500		ug/L			03/23/21 17:46	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 17:46	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 17:46	1
Dibromomethane	ND		0.500		ug/L			03/23/21 17:46	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 17:46	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 17:46	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 17:46	1
Naphthalene	ND		1.00		ug/L			03/23/21 17:46	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 17:46	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
Styrene	ND		0.500		ug/L			03/23/21 17:46	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2108 Fallston Road
Date Collected: 03/15/21 10:05
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-4
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 17:46	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 17:46	1
Toluene	ND		0.500		ug/L			03/23/21 17:46	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 17:46	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 17:46	1
Trichloroethene	ND		0.500		ug/L			03/23/21 17:46	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 17:46	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 17:46	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 17:46	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 17:46	1
Methyl tert-butyl ether	**1.17**		0.500		ug/L			03/23/21 17:46	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 17:46	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 17:46	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*03/23/21 17:46*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*70 - 130*		*03/23/21 17:46*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2320 Pleasantville Road
Date Collected: 03/15/21 10:25
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-5
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 18:14	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 18:14	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 18:14	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 18:14	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 18:14	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 18:14	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 18:14	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 18:14	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 18:14	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 18:14	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 18:14	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 18:14	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 18:14	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 18:14	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 18:14	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 18:14	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 18:14	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 18:14	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 18:14	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 18:14	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 18:14	1
Benzene	ND		0.500		ug/L			03/23/21 18:14	1
Bromobenzene	ND		0.500		ug/L			03/23/21 18:14	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 18:14	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 18:14	1
Bromoform	ND		0.500		ug/L			03/23/21 18:14	1
Bromomethane	ND	*+	1.00		ug/L			03/23/21 18:14	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 18:14	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 18:14	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 18:14	1
Chloroethane	ND		1.00		ug/L			03/23/21 18:14	1
Chloroform	ND		0.500		ug/L			03/23/21 18:14	1
Chloromethane	ND		0.500		ug/L			03/23/21 18:14	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 18:14	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 18:14	1
Dibromomethane	ND		0.500		ug/L			03/23/21 18:14	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 18:14	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 18:14	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 18:14	1
Naphthalene	ND		1.00		ug/L			03/23/21 18:14	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 18:14	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
Styrene	ND		0.500		ug/L			03/23/21 18:14	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2320 Pleasantville Road
Date Collected: 03/15/21 10:25
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-5
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 18:14	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 18:14	1
Toluene	ND		0.500		ug/L			03/23/21 18:14	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 18:14	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 18:14	1
Trichloroethene	ND		0.500		ug/L			03/23/21 18:14	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 18:14	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 18:14	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 18:14	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 18:14	1
Methyl tert-butyl ether	ND		0.500		ug/L			03/23/21 18:14	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 18:14	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 18:14	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*03/23/21 18:14*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*103*		*70 - 130*		*03/23/21 18:14*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2118 Fallston Road
Date Collected: 03/15/21 10:35
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-6
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 18:41	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 18:41	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 18:41	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 18:41	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 18:41	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 18:41	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 18:41	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 18:41	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 18:41	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 18:41	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 18:41	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 18:41	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 18:41	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 18:41	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 18:41	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 18:41	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 18:41	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 18:41	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 18:41	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 18:41	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 18:41	1
Benzene	ND		0.500		ug/L			03/23/21 18:41	1
Bromobenzene	ND		0.500		ug/L			03/23/21 18:41	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 18:41	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 18:41	1
Bromoform	ND		0.500		ug/L			03/23/21 18:41	1
Bromomethane	ND	*+	1.00		ug/L			03/23/21 18:41	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 18:41	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 18:41	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 18:41	1
Chloroethane	ND		1.00		ug/L			03/23/21 18:41	1
Chloroform	ND		0.500		ug/L			03/23/21 18:41	1
Chloromethane	ND		0.500		ug/L			03/23/21 18:41	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 18:41	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 18:41	1
Dibromomethane	ND		0.500		ug/L			03/23/21 18:41	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 18:41	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 18:41	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 18:41	1
Naphthalene	ND		1.00		ug/L			03/23/21 18:41	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 18:41	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
Styrene	ND		0.500		ug/L			03/23/21 18:41	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2118 Fallston Road
Date Collected: 03/15/21 10:35
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-6
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 18:41	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 18:41	1
Toluene	ND		0.500		ug/L			03/23/21 18:41	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 18:41	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 18:41	1
Trichloroethene	ND		0.500		ug/L			03/23/21 18:41	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 18:41	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 18:41	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 18:41	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 18:41	1
Methyl tert-butyl ether	ND		0.500		ug/L			03/23/21 18:41	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 18:41	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 18:41	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*03/23/21 18:41*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*114*		*70 - 130*		*03/23/21 18:41*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2402 Pleasantville Road
Date Collected: 03/15/21 11:40
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-7
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 19:09	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 19:09	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 19:09	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 19:09	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 19:09	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 19:09	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 19:09	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 19:09	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 19:09	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 19:09	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 19:09	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 19:09	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 19:09	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 19:09	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 19:09	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 19:09	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 19:09	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 19:09	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 19:09	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 19:09	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 19:09	1
Benzene	ND		0.500		ug/L			03/23/21 19:09	1
Bromobenzene	ND		0.500		ug/L			03/23/21 19:09	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 19:09	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 19:09	1
Bromoform	ND		0.500		ug/L			03/23/21 19:09	1
Bromomethane	ND	*+	1.00		ug/L			03/23/21 19:09	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 19:09	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 19:09	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 19:09	1
Chloroethane	ND		1.00		ug/L			03/23/21 19:09	1
Chloroform	ND		0.500		ug/L			03/23/21 19:09	1
Chloromethane	ND		0.500		ug/L			03/23/21 19:09	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 19:09	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 19:09	1
Dibromomethane	ND		0.500		ug/L			03/23/21 19:09	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 19:09	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 19:09	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 19:09	1
Naphthalene	ND		1.00		ug/L			03/23/21 19:09	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 19:09	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
Styrene	ND		0.500		ug/L			03/23/21 19:09	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2402 Pleasantville Road
Date Collected: 03/15/21 11:40
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-7
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 19:09	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 19:09	1
Toluene	ND		0.500		ug/L			03/23/21 19:09	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 19:09	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 19:09	1
Trichloroethene	ND		0.500		ug/L			03/23/21 19:09	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 19:09	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 19:09	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 19:09	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 19:09	1
Methyl tert-butyl ether	ND		0.500		ug/L			03/23/21 19:09	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 19:09	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 19:09	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*03/23/21 19:09*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*107*		*70 - 130*		*03/23/21 19:09*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-660838/10
Matrix: Water
Analysis Batch: 660838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 14:06	1
1,1,1-Trichloroethane	ND		0.500		ug/L			03/23/21 14:06	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			03/23/21 14:06	1
1,1,2-Trichloroethane	ND		0.500		ug/L			03/23/21 14:06	1
1,1-Dichloroethane	ND		0.500		ug/L			03/23/21 14:06	1
1,1-Dichloroethene	ND		0.500		ug/L			03/23/21 14:06	1
1,1-Dichloropropene	ND		0.500		ug/L			03/23/21 14:06	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			03/23/21 14:06	1
1,2,3-Trichloropropane	ND		0.500		ug/L			03/23/21 14:06	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			03/23/21 14:06	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			03/23/21 14:06	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			03/23/21 14:06	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			03/23/21 14:06	1
1,2-Dichlorobenzene	ND		0.500		ug/L			03/23/21 14:06	1
1,2-Dichloroethane	ND		0.500		ug/L			03/23/21 14:06	1
1,2-Dichloropropane	ND		0.500		ug/L			03/23/21 14:06	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			03/23/21 14:06	1
1,3-Dichlorobenzene	ND		0.500		ug/L			03/23/21 14:06	1
1,3-Dichloropropane	ND		0.500		ug/L			03/23/21 14:06	1
1,4-Dichlorobenzene	ND		0.500		ug/L			03/23/21 14:06	1
2,2-Dichloropropane	ND		0.500		ug/L			03/23/21 14:06	1
2-Chlorotoluene	ND		0.500		ug/L			03/23/21 14:06	1
4-Chlorotoluene	ND		0.500		ug/L			03/23/21 14:06	1
Benzene	ND		0.500		ug/L			03/23/21 14:06	1
Bromobenzene	ND		0.500		ug/L			03/23/21 14:06	1
Bromochloromethane	ND		0.500		ug/L			03/23/21 14:06	1
Bromodichloromethane	ND		0.500		ug/L			03/23/21 14:06	1
Bromoform	ND		0.500		ug/L			03/23/21 14:06	1
Bromomethane	ND		1.00		ug/L			03/23/21 14:06	1
Carbon tetrachloride	ND		0.500		ug/L			03/23/21 14:06	1
Chlorobenzene	ND		0.500		ug/L			03/23/21 14:06	1
Chlorodibromomethane	ND		0.500		ug/L			03/23/21 14:06	1
Chloroethane	ND		1.00		ug/L			03/23/21 14:06	1
Chloroform	ND		0.500		ug/L			03/23/21 14:06	1
Chloromethane	ND		0.500		ug/L			03/23/21 14:06	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 14:06	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 14:06	1
Dibromomethane	ND		0.500		ug/L			03/23/21 14:06	1
Dichlorodifluoromethane	ND		0.500		ug/L			03/23/21 14:06	1
Ethylbenzene	ND		0.500		ug/L			03/23/21 14:06	1
Hexachlorobutadiene	ND		0.500		ug/L			03/23/21 14:06	1
Isopropylbenzene	ND		0.500		ug/L			03/23/21 14:06	1
Methylene Chloride	ND		0.500		ug/L			03/23/21 14:06	1
Naphthalene	ND		1.00		ug/L			03/23/21 14:06	1
n-Butylbenzene	ND		0.500		ug/L			03/23/21 14:06	1
N-Propylbenzene	ND		0.500		ug/L			03/23/21 14:06	1
p-Isopropyltoluene	ND		0.500		ug/L			03/23/21 14:06	1
sec-Butylbenzene	ND		0.500		ug/L			03/23/21 14:06	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-660838/10
Matrix: Water
Analysis Batch: 660838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.500		ug/L			03/23/21 14:06	1
tert-Butylbenzene	ND		0.500		ug/L			03/23/21 14:06	1
Tetrachloroethene	ND		0.500		ug/L			03/23/21 14:06	1
Toluene	ND		0.500		ug/L			03/23/21 14:06	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			03/23/21 14:06	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			03/23/21 14:06	1
Trichloroethene	ND		0.500		ug/L			03/23/21 14:06	1
Trichlorofluoromethane	ND		0.500		ug/L			03/23/21 14:06	1
Vinyl chloride	ND		0.500		ug/L			03/23/21 14:06	1
Tert-amyl methyl ether	ND		0.500		ug/L			03/23/21 14:06	1
Diisopropyl ether	ND		0.500		ug/L			03/23/21 14:06	1
Methyl tert-butyl ether	ND		0.500		ug/L			03/23/21 14:06	1
Xylenes, Total	ND		0.500		ug/L			03/23/21 14:06	1
Ethyl tert-butyl ether	ND		0.500		ug/L			03/23/21 14:06	1
tert-Butyl alcohol	ND		10.0		ug/L			03/23/21 14:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*03/23/21 14:06*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*70 - 130*		*03/23/21 14:06*	*1*

Lab Sample ID: LCS 680-660838/5
Matrix: Water
Analysis Batch: 660838

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	21.47		ug/L		107	70 - 130
1,1,1-Trichloroethane	20.0	19.96		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	20.0	22.40		ug/L		112	70 - 130
1,1,2-Trichloroethane	20.0	19.19		ug/L		96	70 - 130
1,1-Dichloroethane	20.0	20.10		ug/L		101	70 - 130
1,1-Dichloroethene	20.0	21.36		ug/L		107	70 - 130
1,1-Dichloropropene	20.0	21.81		ug/L		109	70 - 130
1,2,3-Trichlorobenzene	20.0	21.35		ug/L		107	70 - 130
1,2,3-Trichloropropane	20.0	20.44		ug/L		102	70 - 130
1,2,4-Trichlorobenzene	20.0	19.56		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	20.0	20.34		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.81		ug/L		109	70 - 130
1,2-Dibromoethane (EDB)	20.0	21.57		ug/L		108	70 - 130
1,2-Dichlorobenzene	20.0	17.72		ug/L		89	70 - 130
1,2-Dichloroethane	20.0	19.56		ug/L		98	70 - 130
1,2-Dichloropropane	20.0	18.78		ug/L		94	70 - 130
1,3,5-Trimethylbenzene	20.0	20.25		ug/L		101	70 - 130
1,3-Dichlorobenzene	20.0	18.83		ug/L		94	70 - 130
1,3-Dichloropropane	20.0	20.55		ug/L		103	70 - 130
1,4-Dichlorobenzene	20.0	18.79		ug/L		94	70 - 130
2,2-Dichloropropane	20.0	21.33		ug/L		107	70 - 130
2-Chlorotoluene	20.0	19.65		ug/L		98	70 - 130
4-Chlorotoluene	20.0	20.96		ug/L		105	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-660838/5
Matrix: Water
Analysis Batch: 660838

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.91		ug/L		105	70 - 130
Bromobenzene	20.0	19.49		ug/L		97	70 - 130
Bromochloromethane	20.0	20.29		ug/L		101	70 - 130
Bromodichloromethane	20.0	19.24		ug/L		96	70 - 130
Bromoform	20.0	23.17		ug/L		116	70 - 130
Bromomethane	20.0	33.81	*+	ug/L		169	70 - 130
Carbon tetrachloride	20.0	21.16		ug/L		106	70 - 130
Chlorobenzene	20.0	19.04		ug/L		95	70 - 130
Chlorodibromomethane	20.0	22.41		ug/L		112	70 - 130
Chloroethane	20.0	18.50		ug/L		92	70 - 130
Chloroform	20.0	20.43		ug/L		102	70 - 130
Chloromethane	20.0	21.10		ug/L		106	70 - 130
cis-1,2-Dichloroethene	20.0	21.14		ug/L		106	70 - 130
cis-1,3-Dichloropropene	20.0	21.68		ug/L		108	70 - 130
Dibromomethane	20.0	19.97		ug/L		100	70 - 130
Dichlorodifluoromethane	20.0	21.27		ug/L		106	70 - 130
Ethylbenzene	20.0	20.30		ug/L		102	70 - 130
Hexachlorobutadiene	20.0	20.52		ug/L		103	70 - 130
Isopropylbenzene	20.0	18.95		ug/L		95	70 - 130
Methylene Chloride	20.0	18.71		ug/L		94	70 - 130
Naphthalene	20.0	20.50		ug/L		103	70 - 130
n-Butylbenzene	20.0	20.51		ug/L		103	70 - 130
N-Propylbenzene	20.0	21.54		ug/L		108	70 - 130
p-Isopropyltoluene	20.0	21.43		ug/L		107	70 - 130
sec-Butylbenzene	20.0	21.32		ug/L		107	70 - 130
Styrene	20.0	19.35		ug/L		97	70 - 130
tert-Butylbenzene	20.0	21.09		ug/L		105	70 - 130
Tetrachloroethene	20.0	20.17		ug/L		101	70 - 130
Toluene	20.0	19.64		ug/L		98	70 - 130
trans-1,2-Dichloroethene	20.0	20.65		ug/L		103	70 - 130
trans-1,3-Dichloropropene	20.0	22.20		ug/L		111	70 - 130
Trichloroethene	20.0	19.96		ug/L		100	70 - 130
Trichlorofluoromethane	20.0	21.26		ug/L		106	70 - 130
Vinyl chloride	20.0	21.55		ug/L		108	70 - 130
Tert-amyl methyl ether	16.0	17.66		ug/L		110	70 - 130
Diisopropyl ether	16.0	17.04		ug/L		106	70 - 130
Methyl tert-butyl ether	20.0	20.80		ug/L		104	70 - 130
Xylenes, Total	40.0	39.94		ug/L		100	70 - 130
Ethyl tert-butyl ether	16.0	17.23		ug/L		108	70 - 130
tert-Butyl alcohol	200	190.2		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-660838/6
Matrix: Water
Analysis Batch: 660838

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	19.38		ug/L		97	70 - 130	10	20
1,1,1-Trichloroethane			20.0	19.27		ug/L		96	70 - 130	4	20
1,1,2,2-Tetrachloroethane			20.0	20.03		ug/L		100	70 - 130	11	20
1,1,2-Trichloroethane			20.0	19.61		ug/L		98	70 - 130	2	20
1,1-Dichloroethane			20.0	19.79		ug/L		99	70 - 130	2	20
1,1-Dichloroethene			20.0	20.28		ug/L		101	70 - 130	5	20
1,1-Dichloropropene			20.0	19.14		ug/L		96	70 - 130	13	20
1,2,3-Trichlorobenzene			20.0	19.65		ug/L		98	70 - 130	8	20
1,2,3-Trichloropropane			20.0	18.86		ug/L		94	70 - 130	8	20
1,2,4-Trichlorobenzene			20.0	18.86		ug/L		94	70 - 130	4	20
1,2,4-Trimethylbenzene			20.0	19.47		ug/L		97	70 - 130	4	20
1,2-Dibromo-3-Chloropropane			20.0	19.32		ug/L		97	70 - 130	12	20
1,2-Dibromoethane (EDB)			20.0	19.93		ug/L		100	70 - 130	8	20
1,2-Dichlorobenzene			20.0	17.53		ug/L		88	70 - 130	1	20
1,2-Dichloroethane			20.0	18.00		ug/L		90	70 - 130	8	20
1,2-Dichloropropane			20.0	18.21		ug/L		91	70 - 130	3	20
1,3,5-Trimethylbenzene			20.0	18.97		ug/L		95	70 - 130	7	20
1,3-Dichlorobenzene			20.0	18.23		ug/L		91	70 - 130	3	20
1,3-Dichloropropane			20.0	19.22		ug/L		96	70 - 130	7	20
1,4-Dichlorobenzene			20.0	16.81		ug/L		84	70 - 130	11	20
2,2-Dichloropropane			20.0	21.32		ug/L		107	70 - 130	0	20
2-Chlorotoluene			20.0	18.48		ug/L		92	70 - 130	6	20
4-Chlorotoluene			20.0	19.55		ug/L		98	70 - 130	7	20
Benzene			20.0	19.88		ug/L		99	70 - 130	5	20
Bromobenzene			20.0	17.79		ug/L		89	70 - 130	9	20
Bromochloromethane			20.0	18.69		ug/L		93	70 - 130	8	20
Bromodichloromethane			20.0	20.26		ug/L		101	70 - 130	5	20
Bromoform			20.0	21.05		ug/L		105	70 - 130	10	20
Bromomethane			20.0	39.36	*+	ug/L		197	70 - 130	15	20
Carbon tetrachloride			20.0	20.46		ug/L		102	70 - 130	3	20
Chlorobenzene			20.0	18.61		ug/L		93	70 - 130	2	20
Chlorodibromomethane			20.0	20.17		ug/L		101	70 - 130	11	20
Chloroethane			20.0	18.64		ug/L		93	70 - 130	1	20
Chloroform			20.0	20.94		ug/L		105	70 - 130	2	20
Chloromethane			20.0	19.81		ug/L		99	70 - 130	6	20
cis-1,2-Dichloroethene			20.0	21.22		ug/L		106	70 - 130	0	20
cis-1,3-Dichloropropene			20.0	21.58		ug/L		108	70 - 130	0	20
Dibromomethane			20.0	19.29		ug/L		96	70 - 130	3	20
Dichlorodifluoromethane			20.0	22.83		ug/L		114	70 - 130	7	20
Ethylbenzene			20.0	19.09		ug/L		95	70 - 130	6	20
Hexachlorobutadiene			20.0	19.53		ug/L		98	70 - 130	5	20
Isopropylbenzene			20.0	18.59		ug/L		93	70 - 130	2	20
Methylene Chloride			20.0	20.61		ug/L		103	70 - 130	10	20
Naphthalene			20.0	18.54		ug/L		93	70 - 130	10	20
n-Butylbenzene			20.0	17.37		ug/L		87	70 - 130	17	20
N-Propylbenzene			20.0	19.58		ug/L		98	70 - 130	10	20
p-Isopropyltoluene			20.0	18.78		ug/L		94	70 - 130	13	20
sec-Butylbenzene			20.0	19.55		ug/L		98	70 - 130	9	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-660838/6
Matrix: Water
Analysis Batch: 660838

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
Styrene			20.0	18.52		ug/L		93	70 - 130	4	20
tert-Butylbenzene			20.0	20.05		ug/L		100	70 - 130	5	20
Tetrachloroethene			20.0	19.57		ug/L		98	70 - 130	3	20
Toluene			20.0	19.42		ug/L		97	70 - 130	1	20
trans-1,2-Dichloroethene			20.0	19.98		ug/L		100	70 - 130	3	20
trans-1,3-Dichloropropene			20.0	21.34		ug/L		107	70 - 130	4	20
Trichloroethene			20.0	19.46		ug/L		97	70 - 130	3	20
Trichlorofluoromethane			20.0	22.06		ug/L		110	70 - 130	4	20
Vinyl chloride			20.0	22.35		ug/L		112	70 - 130	4	20
Tert-amyl methyl ether			16.0	16.97		ug/L		106	70 - 130	4	20
Diisopropyl ether			16.0	17.17		ug/L		107	70 - 130	1	20
Methyl tert-butyl ether			20.0	21.09		ug/L		105	70 - 130	1	20
Xylenes, Total			40.0	38.54		ug/L		96	70 - 130	4	20
Ethyl tert-butyl ether			16.0	17.34		ug/L		108	70 - 130	1	20
tert-Butyl alcohol			200	178.5		ug/L		89	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*70 - 130*

QC Association Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

GC/MS VOA

Analysis Batch: 660838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-196294-1	2019 Fallston Road	Total/NA	Water	524.2	
680-196294-2	2101 Fallston Road	Total/NA	Water	524.2	
680-196294-3	2418 Pleasantville Road	Total/NA	Water	524.2	
680-196294-4	2108 Fallston Road	Total/NA	Water	524.2	
680-196294-5	2320 Pleasantville Road	Total/NA	Water	524.2	
680-196294-6	2118 Fallston Road	Total/NA	Water	524.2	
680-196294-7	2402 Pleasantville Road	Total/NA	Water	524.2	
MB 680-660838/10	Method Blank	Total/NA	Water	524.2	
LCS 680-660838/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-660838/6	Lab Control Sample Dup	Total/NA	Water	524.2	

Lab Chronicle

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2019 Fallston Road
Lab Sample ID: 680-196294-1
Date Collected: 03/15/21 09:25
Matrix: Water
Date Received: 03/16/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	660838	03/23/21 16:23	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: 2101 Fallston Road
Lab Sample ID: 680-196294-2
Date Collected: 03/15/21 09:40
Matrix: Water
Date Received: 03/16/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	660838	03/23/21 16:51	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: 2418 Pleasantville Road
Lab Sample ID: 680-196294-3
Date Collected: 03/15/21 09:55
Matrix: Water
Date Received: 03/16/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	660838	03/23/21 17:18	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: 2108 Fallston Road
Lab Sample ID: 680-196294-4
Date Collected: 03/15/21 10:05
Matrix: Water
Date Received: 03/16/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	660838	03/23/21 17:46	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: 2320 Pleasantville Road
Lab Sample ID: 680-196294-5
Date Collected: 03/15/21 10:25
Matrix: Water
Date Received: 03/16/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	660838	03/23/21 18:14	Y1S	TAL SAV
	Instrument ID: CMSAG									

Client Sample ID: 2118 Fallston Road
Lab Sample ID: 680-196294-6
Date Collected: 03/15/21 10:35
Matrix: Water
Date Received: 03/16/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	660838	03/23/21 18:41	Y1S	TAL SAV
	Instrument ID: CMSAG									

Lab Chronicle

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Client Sample ID: 2402 Pleasantville Road

Date Collected: 03/15/21 11:40
Date Received: 03/16/21 10:20

Lab Sample ID: 680-196294-7

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	524.2		1	5 mL	5 mL	660838	03/23/21 19:09	Y1S	TAL SAV
	Instrument ID: CMSAG									

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Job ID: 680-196294-1
Project/Site: 7-11 No 22281 (MD)

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Maryland	State	250	12-31-21

Method Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-196294-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

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

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Steve Strausbaugh	Lab PM: Evans, Lauren R	Carrier Tracking No(s):	COC No: 400-101506-35876.1
Client Contact: Ms. Rachael Allen	Phone: 717-965-1327	E-Mail: Lauren.Evans@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 430 National Business Parkway Suite 190	Due Date Requested:			Preservation Codes:
City: Annapolis Junction	TAT Requested (days): Standard			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 20701	Compliance Project: \ Yes \ No			
Phone: 301-289-3802(Tel) 301-289-3901(Fax)	PO #: Purchase Order Requested			Other:
Email: Rachael.Allen@aecom.com	WO #:			
Project Name: 7-11 No 22281 (MD)	Project #: 40012890			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2_Preserved - Revision 3 Standard List+Oxys	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
2019 Fallston Road	3/15/21	9:25	G	Water			X		
2101 Fallston Road	3/15/21	9:40	G	Water			X		
2418 Pleasantville Road	3/15/21	9:55	G	Water			X		
2108 Fallston Road	3/15/21	10:05	G	Water			X		
2330 Pleasantville Road	3/15/21	10:25	G	Water			X		
2118 Fallston Road	3/15/21	10:35	G	Water			X		
2402 Pleasantville Road	3/15/21	11:40	G	Water			X		
				Water					
				Water					
				Water					
				Water					

680-196294 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Steve Strausbaugh	3/15/21 15:00	Eurofins	[signature]	03-16-21	1020
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: \ Yes \ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.3/4.5°

Ver: 11 01 2020

Login Sample Receipt Checklist

Client: AECOM

Job Number: 680-196294-1

Login Number: 196294
List Number: 1
Creator: Banda, Christy S

List Source: Eurofins TestAmerica, Savannah

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 680-198105-1
Client Project/Site: 7-11 No 22281 (MD)

For:
AECOM
430 National Business Parkway
Suite 190
Annapolis Junction, Maryland 20701

Attn: Ms. Rachael Allen

Authorized for release by:
5/7/2021 3:06:59 PM

Lauren Evans, Project Manager I
(615)301-5034
Lauren.Evans@Eurofinset.com

Definitions/Glossary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Sample Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-198105-1	2118 Round Hill Road	Water	04/26/21 09:00	04/27/21 09:55	
680-198105-2	2318 Pleasantville Road	Water	04/26/21 09:35	04/27/21 09:55	
680-198105-3	2403 Pleasantville Road	Water	04/26/21 10:10	04/27/21 09:55	
680-198105-4	2410 Pleasantville Road	Water	04/26/21 10:45	04/27/21 09:55	

Case Narrative

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Job ID: 680-198105-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative
680-198105-1

Comments
No additional comments.

Receipt
The samples were received on 4/27/2021 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.0º C.

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

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2118 Round Hill Road
Date Collected: 04/26/21 09:00
Date Received: 04/27/21 09:55

Lab Sample ID: 680-198105-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 13:04	1
1,1,1-Trichloroethane	ND		0.500		ug/L			05/07/21 13:04	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 13:04	1
1,1,2-Trichloroethane	ND		0.500		ug/L			05/07/21 13:04	1
1,1-Dichloroethane	ND		0.500		ug/L			05/07/21 13:04	1
1,1-Dichloroethene	ND		0.500		ug/L			05/07/21 13:04	1
1,1-Dichloropropene	ND		0.500		ug/L			05/07/21 13:04	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			05/07/21 13:04	1
1,2,3-Trichloropropane	ND		0.500		ug/L			05/07/21 13:04	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			05/07/21 13:04	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			05/07/21 13:04	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			05/07/21 13:04	1
1,2-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:04	1
1,2-Dichloroethane	ND		0.500		ug/L			05/07/21 13:04	1
1,2-Dichloropropane	ND		0.500		ug/L			05/07/21 13:04	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
1,3-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:04	1
1,3-Dichloropropane	ND		0.500		ug/L			05/07/21 13:04	1
1,4-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:04	1
2,2-Dichloropropane	ND		0.500		ug/L			05/07/21 13:04	1
2-Chlorotoluene	ND		0.500		ug/L			05/07/21 13:04	1
4-Chlorotoluene	ND		0.500		ug/L			05/07/21 13:04	1
Benzene	ND		0.500		ug/L			05/07/21 13:04	1
Bromobenzene	ND		0.500		ug/L			05/07/21 13:04	1
Bromochloromethane	ND		0.500		ug/L			05/07/21 13:04	1
Bromodichloromethane	ND		0.500		ug/L			05/07/21 13:04	1
Bromoform	ND		0.500		ug/L			05/07/21 13:04	1
Bromomethane	ND		1.00		ug/L			05/07/21 13:04	1
Carbon tetrachloride	ND		0.500		ug/L			05/07/21 13:04	1
Chlorobenzene	ND		0.500		ug/L			05/07/21 13:04	1
Chlorodibromomethane	ND		0.500		ug/L			05/07/21 13:04	1
Chloroethane	ND		1.00		ug/L			05/07/21 13:04	1
Chloroform	ND		0.500		ug/L			05/07/21 13:04	1
Chloromethane	ND		0.500		ug/L			05/07/21 13:04	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 13:04	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 13:04	1
Dibromomethane	ND		0.500		ug/L			05/07/21 13:04	1
Dichlorodifluoromethane	ND		0.500		ug/L			05/07/21 13:04	1
Ethylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
Hexachlorobutadiene	ND		0.500		ug/L			05/07/21 13:04	1
Isopropylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
Methylene Chloride	ND		0.500		ug/L			05/07/21 13:04	1
Naphthalene	ND		1.00		ug/L			05/07/21 13:04	1
n-Butylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
N-Propylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
p-Isopropyltoluene	ND		0.500		ug/L			05/07/21 13:04	1
sec-Butylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
Styrene	ND		0.500		ug/L			05/07/21 13:04	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2118 Round Hill Road

Lab Sample ID: 680-198105-1

Date Collected: 04/26/21 09:00

Matrix: Water

Date Received: 04/27/21 09:55

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			05/07/21 13:04	1
Tetrachloroethene	**0.751**		0.500		ug/L			05/07/21 13:04	1
Toluene	ND		0.500		ug/L			05/07/21 13:04	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 13:04	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 13:04	1
Trichloroethene	ND		0.500		ug/L			05/07/21 13:04	1
Trichlorofluoromethane	ND		0.500		ug/L			05/07/21 13:04	1
Vinyl chloride	ND		0.500		ug/L			05/07/21 13:04	1
Tert-amyl methyl ether	ND		0.500		ug/L			05/07/21 13:04	1
Diisopropyl ether	ND		0.500		ug/L			05/07/21 13:04	1
Methyl tert-butyl ether	**0.700**		0.500		ug/L			05/07/21 13:04	1
Xylenes, Total	ND		0.500		ug/L			05/07/21 13:04	1
Ethyl tert-butyl ether	ND		0.500		ug/L			05/07/21 13:04	1
tert-Butyl alcohol	ND		10.0		ug/L			05/07/21 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*05/07/21 13:04*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*106*		*70 - 130*		*05/07/21 13:04*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2318 Pleasantville Road
Date Collected: 04/26/21 09:35
Date Received: 04/27/21 09:55

Lab Sample ID: 680-198105-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 13:27	1
1,1,1-Trichloroethane	ND		0.500		ug/L			05/07/21 13:27	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 13:27	1
1,1,2-Trichloroethane	ND		0.500		ug/L			05/07/21 13:27	1
1,1-Dichloroethane	ND		0.500		ug/L			05/07/21 13:27	1
1,1-Dichloroethene	ND		0.500		ug/L			05/07/21 13:27	1
1,1-Dichloropropene	ND		0.500		ug/L			05/07/21 13:27	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			05/07/21 13:27	1
1,2,3-Trichloropropane	ND		0.500		ug/L			05/07/21 13:27	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			05/07/21 13:27	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			05/07/21 13:27	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			05/07/21 13:27	1
1,2-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:27	1
1,2-Dichloroethane	ND		0.500		ug/L			05/07/21 13:27	1
1,2-Dichloropropane	ND		0.500		ug/L			05/07/21 13:27	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
1,3-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:27	1
1,3-Dichloropropane	ND		0.500		ug/L			05/07/21 13:27	1
1,4-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:27	1
2,2-Dichloropropane	ND		0.500		ug/L			05/07/21 13:27	1
2-Chlorotoluene	ND		0.500		ug/L			05/07/21 13:27	1
4-Chlorotoluene	ND		0.500		ug/L			05/07/21 13:27	1
Benzene	ND		0.500		ug/L			05/07/21 13:27	1
Bromobenzene	ND		0.500		ug/L			05/07/21 13:27	1
Bromochloromethane	ND		0.500		ug/L			05/07/21 13:27	1
Bromodichloromethane	ND		0.500		ug/L			05/07/21 13:27	1
Bromoform	ND		0.500		ug/L			05/07/21 13:27	1
Bromomethane	ND		1.00		ug/L			05/07/21 13:27	1
Carbon tetrachloride	ND		0.500		ug/L			05/07/21 13:27	1
Chlorobenzene	ND		0.500		ug/L			05/07/21 13:27	1
Chlorodibromomethane	ND		0.500		ug/L			05/07/21 13:27	1
Chloroethane	ND		1.00		ug/L			05/07/21 13:27	1
Chloroform	ND		0.500		ug/L			05/07/21 13:27	1
Chloromethane	ND		0.500		ug/L			05/07/21 13:27	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 13:27	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 13:27	1
Dibromomethane	ND		0.500		ug/L			05/07/21 13:27	1
Dichlorodifluoromethane	ND		0.500		ug/L			05/07/21 13:27	1
Ethylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
Hexachlorobutadiene	ND		0.500		ug/L			05/07/21 13:27	1
Isopropylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
Methylene Chloride	ND		0.500		ug/L			05/07/21 13:27	1
Naphthalene	ND		1.00		ug/L			05/07/21 13:27	1
n-Butylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
N-Propylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
p-Isopropyltoluene	ND		0.500		ug/L			05/07/21 13:27	1
sec-Butylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
Styrene	ND		0.500		ug/L			05/07/21 13:27	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2318 Pleasantville Road
Date Collected: 04/26/21 09:35
Date Received: 04/27/21 09:55

Lab Sample ID: 680-198105-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			05/07/21 13:27	1
Tetrachloroethene	ND		0.500		ug/L			05/07/21 13:27	1
Toluene	ND		0.500		ug/L			05/07/21 13:27	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 13:27	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 13:27	1
Trichloroethene	ND		0.500		ug/L			05/07/21 13:27	1
Trichlorofluoromethane	ND		0.500		ug/L			05/07/21 13:27	1
Vinyl chloride	ND		0.500		ug/L			05/07/21 13:27	1
Tert-amyl methyl ether	ND		0.500		ug/L			05/07/21 13:27	1
Diisopropyl ether	ND		0.500		ug/L			05/07/21 13:27	1
Methyl tert-butyl ether	ND		0.500		ug/L			05/07/21 13:27	1
Xylenes, Total	ND		0.500		ug/L			05/07/21 13:27	1
Ethyl tert-butyl ether	ND		0.500		ug/L			05/07/21 13:27	1
tert-Butyl alcohol	ND		10.0		ug/L			05/07/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*05/07/21 13:27*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*111*		*70 - 130*		*05/07/21 13:27*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2403 Pleasantville Road
Date Collected: 04/26/21 10:10
Date Received: 04/27/21 09:55

Lab Sample ID: 680-198105-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 13:51	1
1,1,1-Trichloroethane	ND		0.500		ug/L			05/07/21 13:51	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 13:51	1
1,1,2-Trichloroethane	ND		0.500		ug/L			05/07/21 13:51	1
1,1-Dichloroethane	ND		0.500		ug/L			05/07/21 13:51	1
1,1-Dichloroethene	ND		0.500		ug/L			05/07/21 13:51	1
1,1-Dichloropropene	ND		0.500		ug/L			05/07/21 13:51	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			05/07/21 13:51	1
1,2,3-Trichloropropane	ND		0.500		ug/L			05/07/21 13:51	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			05/07/21 13:51	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			05/07/21 13:51	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			05/07/21 13:51	1
1,2-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:51	1
1,2-Dichloroethane	ND		0.500		ug/L			05/07/21 13:51	1
1,2-Dichloropropane	ND		0.500		ug/L			05/07/21 13:51	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
1,3-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:51	1
1,3-Dichloropropane	ND		0.500		ug/L			05/07/21 13:51	1
1,4-Dichlorobenzene	ND		0.500		ug/L			05/07/21 13:51	1
2,2-Dichloropropane	ND		0.500		ug/L			05/07/21 13:51	1
2-Chlorotoluene	ND		0.500		ug/L			05/07/21 13:51	1
4-Chlorotoluene	ND		0.500		ug/L			05/07/21 13:51	1
Benzene	ND		0.500		ug/L			05/07/21 13:51	1
Bromobenzene	ND		0.500		ug/L			05/07/21 13:51	1
Bromochloromethane	ND		0.500		ug/L			05/07/21 13:51	1
Bromodichloromethane	ND		0.500		ug/L			05/07/21 13:51	1
Bromoform	ND		0.500		ug/L			05/07/21 13:51	1
Bromomethane	ND		1.00		ug/L			05/07/21 13:51	1
Carbon tetrachloride	ND		0.500		ug/L			05/07/21 13:51	1
Chlorobenzene	ND		0.500		ug/L			05/07/21 13:51	1
Chlorodibromomethane	ND		0.500		ug/L			05/07/21 13:51	1
Chloroethane	ND		1.00		ug/L			05/07/21 13:51	1
Chloroform	ND		0.500		ug/L			05/07/21 13:51	1
Chloromethane	ND		0.500		ug/L			05/07/21 13:51	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 13:51	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 13:51	1
Dibromomethane	ND		0.500		ug/L			05/07/21 13:51	1
Dichlorodifluoromethane	ND		0.500		ug/L			05/07/21 13:51	1
Ethylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
Hexachlorobutadiene	ND		0.500		ug/L			05/07/21 13:51	1
Isopropylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
Methylene Chloride	ND		0.500		ug/L			05/07/21 13:51	1
Naphthalene	ND		1.00		ug/L			05/07/21 13:51	1
n-Butylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
N-Propylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
p-Isopropyltoluene	ND		0.500		ug/L			05/07/21 13:51	1
sec-Butylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
Styrene	ND		0.500		ug/L			05/07/21 13:51	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2403 Pleasantville Road
Date Collected: 04/26/21 10:10
Date Received: 04/27/21 09:55

Lab Sample ID: 680-198105-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			05/07/21 13:51	1
Tetrachloroethene	ND		0.500		ug/L			05/07/21 13:51	1
Toluene	ND		0.500		ug/L			05/07/21 13:51	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 13:51	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 13:51	1
Trichloroethene	ND		0.500		ug/L			05/07/21 13:51	1
Trichlorofluoromethane	ND		0.500		ug/L			05/07/21 13:51	1
Vinyl chloride	ND		0.500		ug/L			05/07/21 13:51	1
Tert-amyl methyl ether	ND		0.500		ug/L			05/07/21 13:51	1
Diisopropyl ether	ND		0.500		ug/L			05/07/21 13:51	1
Methyl tert-butyl ether	ND		0.500		ug/L			05/07/21 13:51	1
Xylenes, Total	ND		0.500		ug/L			05/07/21 13:51	1
Ethyl tert-butyl ether	ND		0.500		ug/L			05/07/21 13:51	1
tert-Butyl alcohol	ND		10.0		ug/L			05/07/21 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*05/07/21 13:51*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*110*		*70 - 130*		*05/07/21 13:51*	*1*

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2410 Pleasantville Road
Date Collected: 04/26/21 10:45
Date Received: 04/27/21 09:55

Lab Sample ID: 680-198105-4
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 14:14	1
1,1,1-Trichloroethane	ND		0.500		ug/L			05/07/21 14:14	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 14:14	1
1,1,2-Trichloroethane	ND		0.500		ug/L			05/07/21 14:14	1
1,1-Dichloroethane	ND		0.500		ug/L			05/07/21 14:14	1
1,1-Dichloroethene	ND		0.500		ug/L			05/07/21 14:14	1
1,1-Dichloropropene	ND		0.500		ug/L			05/07/21 14:14	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			05/07/21 14:14	1
1,2,3-Trichloropropane	ND		0.500		ug/L			05/07/21 14:14	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			05/07/21 14:14	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			05/07/21 14:14	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			05/07/21 14:14	1
1,2-Dichlorobenzene	ND		0.500		ug/L			05/07/21 14:14	1
1,2-Dichloroethane	ND		0.500		ug/L			05/07/21 14:14	1
1,2-Dichloropropane	ND		0.500		ug/L			05/07/21 14:14	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
1,3-Dichlorobenzene	ND		0.500		ug/L			05/07/21 14:14	1
1,3-Dichloropropane	ND		0.500		ug/L			05/07/21 14:14	1
1,4-Dichlorobenzene	ND		0.500		ug/L			05/07/21 14:14	1
2,2-Dichloropropane	ND		0.500		ug/L			05/07/21 14:14	1
2-Chlorotoluene	ND		0.500		ug/L			05/07/21 14:14	1
4-Chlorotoluene	ND		0.500		ug/L			05/07/21 14:14	1
Benzene	ND		0.500		ug/L			05/07/21 14:14	1
Bromobenzene	ND		0.500		ug/L			05/07/21 14:14	1
Bromochloromethane	ND		0.500		ug/L			05/07/21 14:14	1
Bromodichloromethane	ND		0.500		ug/L			05/07/21 14:14	1
Bromoform	ND		0.500		ug/L			05/07/21 14:14	1
Bromomethane	ND		1.00		ug/L			05/07/21 14:14	1
Carbon tetrachloride	ND		0.500		ug/L			05/07/21 14:14	1
Chlorobenzene	ND		0.500		ug/L			05/07/21 14:14	1
Chlorodibromomethane	ND		0.500		ug/L			05/07/21 14:14	1
Chloroethane	ND		1.00		ug/L			05/07/21 14:14	1
Chloroform	ND		0.500		ug/L			05/07/21 14:14	1
Chloromethane	ND		0.500		ug/L			05/07/21 14:14	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 14:14	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 14:14	1
Dibromomethane	ND		0.500		ug/L			05/07/21 14:14	1
Dichlorodifluoromethane	ND		0.500		ug/L			05/07/21 14:14	1
Ethylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
Hexachlorobutadiene	ND		0.500		ug/L			05/07/21 14:14	1
Isopropylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
Methylene Chloride	ND		0.500		ug/L			05/07/21 14:14	1
Naphthalene	ND		1.00		ug/L			05/07/21 14:14	1
n-Butylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
N-Propylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
p-Isopropyltoluene	ND		0.500		ug/L			05/07/21 14:14	1
sec-Butylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
Styrene	ND		0.500		ug/L			05/07/21 14:14	1

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2410 Pleasantville Road

Date Collected: 04/26/21 10:45
Date Received: 04/27/21 09:55

Lab Sample ID: 680-198105-4

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.500		ug/L			05/07/21 14:14	1
Tetrachloroethene	ND		0.500		ug/L			05/07/21 14:14	1
Toluene	ND		0.500		ug/L			05/07/21 14:14	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 14:14	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 14:14	1
Trichloroethene	ND		0.500		ug/L			05/07/21 14:14	1
Trichlorofluoromethane	ND		0.500		ug/L			05/07/21 14:14	1
Vinyl chloride	ND		0.500		ug/L			05/07/21 14:14	1
Tert-amyl methyl ether	ND		0.500		ug/L			05/07/21 14:14	1
Diisopropyl ether	ND		0.500		ug/L			05/07/21 14:14	1
Methyl tert-butyl ether	ND		0.500		ug/L			05/07/21 14:14	1
Xylenes, Total	ND		0.500		ug/L			05/07/21 14:14	1
Ethyl tert-butyl ether	ND		0.500		ug/L			05/07/21 14:14	1
tert-Butyl alcohol	ND		10.0		ug/L			05/07/21 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*05/07/21 14:14*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*112*		*70 - 130*		*05/07/21 14:14*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-667637/8
Matrix: Water
Analysis Batch: 667637

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 12:40	1
1,1,1-Trichloroethane	ND		0.500		ug/L			05/07/21 12:40	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			05/07/21 12:40	1
1,1,2-Trichloroethane	ND		0.500		ug/L			05/07/21 12:40	1
1,1-Dichloroethane	ND		0.500		ug/L			05/07/21 12:40	1
1,1-Dichloroethene	ND		0.500		ug/L			05/07/21 12:40	1
1,1-Dichloropropene	ND		0.500		ug/L			05/07/21 12:40	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			05/07/21 12:40	1
1,2,3-Trichloropropane	ND		0.500		ug/L			05/07/21 12:40	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			05/07/21 12:40	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			05/07/21 12:40	1
1,2-Dibromo-3-Chloropropane	ND		0.500		ug/L			05/07/21 12:40	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			05/07/21 12:40	1
1,2-Dichlorobenzene	ND		0.500		ug/L			05/07/21 12:40	1
1,2-Dichloroethane	ND		0.500		ug/L			05/07/21 12:40	1
1,2-Dichloropropane	ND		0.500		ug/L			05/07/21 12:40	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/07/21 12:40	1
1,3-Dichlorobenzene	ND		0.500		ug/L			05/07/21 12:40	1
1,3-Dichloropropane	ND		0.500		ug/L			05/07/21 12:40	1
1,4-Dichlorobenzene	ND		0.500		ug/L			05/07/21 12:40	1
2,2-Dichloropropane	ND		0.500		ug/L			05/07/21 12:40	1
2-Chlorotoluene	ND		0.500		ug/L			05/07/21 12:40	1
4-Chlorotoluene	ND		0.500		ug/L			05/07/21 12:40	1
Benzene	ND		0.500		ug/L			05/07/21 12:40	1
Bromobenzene	ND		0.500		ug/L			05/07/21 12:40	1
Bromochloromethane	ND		0.500		ug/L			05/07/21 12:40	1
Bromodichloromethane	ND		0.500		ug/L			05/07/21 12:40	1
Bromoform	ND		0.500		ug/L			05/07/21 12:40	1
Bromomethane	ND		1.00		ug/L			05/07/21 12:40	1
Carbon tetrachloride	ND		0.500		ug/L			05/07/21 12:40	1
Chlorobenzene	ND		0.500		ug/L			05/07/21 12:40	1
Chlorodibromomethane	ND		0.500		ug/L			05/07/21 12:40	1
Chloroethane	ND		1.00		ug/L			05/07/21 12:40	1
Chloroform	ND		0.500		ug/L			05/07/21 12:40	1
Chloromethane	ND		0.500		ug/L			05/07/21 12:40	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 12:40	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 12:40	1
Dibromomethane	ND		0.500		ug/L			05/07/21 12:40	1
Dichlorodifluoromethane	ND		0.500		ug/L			05/07/21 12:40	1
Ethylbenzene	ND		0.500		ug/L			05/07/21 12:40	1
Hexachlorobutadiene	ND		0.500		ug/L			05/07/21 12:40	1
Isopropylbenzene	ND		0.500		ug/L			05/07/21 12:40	1
Methylene Chloride	ND		0.500		ug/L			05/07/21 12:40	1
Naphthalene	ND		1.00		ug/L			05/07/21 12:40	1
n-Butylbenzene	ND		0.500		ug/L			05/07/21 12:40	1
N-Propylbenzene	ND		0.500		ug/L			05/07/21 12:40	1
p-Isopropyltoluene	ND		0.500		ug/L			05/07/21 12:40	1
sec-Butylbenzene	ND		0.500		ug/L			05/07/21 12:40	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-667637/8
Matrix: Water
Analysis Batch: 667637

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.500		ug/L			05/07/21 12:40	1
tert-Butylbenzene	ND		0.500		ug/L			05/07/21 12:40	1
Tetrachloroethene	ND		0.500		ug/L			05/07/21 12:40	1
Toluene	ND		0.500		ug/L			05/07/21 12:40	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			05/07/21 12:40	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			05/07/21 12:40	1
Trichloroethene	ND		0.500		ug/L			05/07/21 12:40	1
Trichlorofluoromethane	ND		0.500		ug/L			05/07/21 12:40	1
Vinyl chloride	ND		0.500		ug/L			05/07/21 12:40	1
Tert-amyl methyl ether	ND		0.500		ug/L			05/07/21 12:40	1
Diisopropyl ether	ND		0.500		ug/L			05/07/21 12:40	1
Methyl tert-butyl ether	ND		0.500		ug/L			05/07/21 12:40	1
Xylenes, Total	ND		0.500		ug/L			05/07/21 12:40	1
Ethyl tert-butyl ether	ND		0.500		ug/L			05/07/21 12:40	1
tert-Butyl alcohol	ND		10.0		ug/L			05/07/21 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*05/07/21 12:40*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*107*		*70 - 130*		*05/07/21 12:40*	*1*

Lab Sample ID: LCS 680-667637/3
Matrix: Water
Analysis Batch: 667637

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	21.23		ug/L		106	70 - 130
1,1,1-Trichloroethane	20.0	22.03		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	20.0	19.30		ug/L		97	70 - 130
1,1,2-Trichloroethane	20.0	18.43		ug/L		92	70 - 130
1,1-Dichloroethane	20.0	20.63		ug/L		103	70 - 130
1,1-Dichloroethene	20.0	19.02		ug/L		95	70 - 130
1,1-Dichloropropene	20.0	21.25		ug/L		106	70 - 130
1,2,3-Trichlorobenzene	20.0	19.49		ug/L		97	70 - 130
1,2,3-Trichloropropane	20.0	18.92		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	20.0	20.17		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	20.0	20.40		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	17.69		ug/L		88	70 - 130
1,2-Dibromoethane (EDB)	20.0	18.77		ug/L		94	70 - 130
1,2-Dichlorobenzene	20.0	20.20		ug/L		101	70 - 130
1,2-Dichloroethane	20.0	19.83		ug/L		99	70 - 130
1,2-Dichloropropane	20.0	20.66		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	20.0	20.71		ug/L		104	70 - 130
1,3-Dichlorobenzene	20.0	20.27		ug/L		101	70 - 130
1,3-Dichloropropane	20.0	18.54		ug/L		93	70 - 130
1,4-Dichlorobenzene	20.0	20.44		ug/L		102	70 - 130
2,2-Dichloropropane	20.0	22.62		ug/L		113	70 - 130
2-Chlorotoluene	20.0	19.99		ug/L		100	70 - 130
4-Chlorotoluene	20.0	20.24		ug/L		101	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-667637/3
Matrix: Water
Analysis Batch: 667637

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.84		ug/L		104	70 - 130
Bromobenzene	20.0	20.41		ug/L		102	70 - 130
Bromochloromethane	20.0	20.46		ug/L		102	70 - 130
Bromodichloromethane	20.0	20.33		ug/L		102	70 - 130
Bromoform	20.0	20.09		ug/L		100	70 - 130
Bromomethane	20.0	18.86		ug/L		94	70 - 130
Carbon tetrachloride	20.0	22.33		ug/L		112	70 - 130
Chlorobenzene	20.0	19.71		ug/L		99	70 - 130
Chlorodibromomethane	20.0	19.93		ug/L		100	70 - 130
Chloroethane	20.0	18.64		ug/L		93	70 - 130
Chloroform	20.0	20.63		ug/L		103	70 - 130
Chloromethane	20.0	19.20		ug/L		96	70 - 130
cis-1,2-Dichloroethene	20.0	19.40		ug/L		97	70 - 130
cis-1,3-Dichloropropene	20.0	19.79		ug/L		99	70 - 130
Dibromomethane	20.0	19.49		ug/L		97	70 - 130
Dichlorodifluoromethane	20.0	23.56		ug/L		118	70 - 130
Ethylbenzene	20.0	19.92		ug/L		100	70 - 130
Hexachlorobutadiene	20.0	23.91		ug/L		120	70 - 130
Isopropylbenzene	20.0	20.95		ug/L		105	70 - 130
Methylene Chloride	20.0	17.57		ug/L		88	70 - 130
Naphthalene	20.0	18.57		ug/L		93	70 - 130
n-Butylbenzene	20.0	21.39		ug/L		107	70 - 130
N-Propylbenzene	20.0	20.90		ug/L		104	70 - 130
p-Isopropyltoluene	20.0	21.09		ug/L		105	70 - 130
sec-Butylbenzene	20.0	21.09		ug/L		105	70 - 130
Styrene	20.0	19.84		ug/L		99	70 - 130
tert-Butylbenzene	20.0	20.55		ug/L		103	70 - 130
Tetrachloroethene	20.0	19.69		ug/L		98	70 - 130
Toluene	20.0	20.03		ug/L		100	70 - 130
trans-1,2-Dichloroethene	20.0	21.20		ug/L		106	70 - 130
trans-1,3-Dichloropropene	20.0	19.59		ug/L		98	70 - 130
Trichloroethene	20.0	21.23		ug/L		106	70 - 130
Trichlorofluoromethane	20.0	21.89		ug/L		109	70 - 130
Vinyl chloride	20.0	22.27		ug/L		111	70 - 130
Tert-amyl methyl ether	16.0	15.29		ug/L		96	70 - 130
Diisopropyl ether	16.0	15.32		ug/L		96	70 - 130
Methyl tert-butyl ether	20.0	20.02		ug/L		100	70 - 130
Xylenes, Total	40.0	40.40		ug/L		101	70 - 130
Ethyl tert-butyl ether	16.0	15.78		ug/L		99	70 - 130
tert-Butyl alcohol	200	203.5		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*104*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-667637/4
Matrix: Water
Analysis Batch: 667637

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	20.42		ug/L		102	70 - 130	4	20
1,1,1-Trichloroethane			20.0	20.60		ug/L		103	70 - 130	7	20
1,1,2,2-Tetrachloroethane			20.0	19.00		ug/L		95	70 - 130	2	20
1,1,2-Trichloroethane			20.0	18.85		ug/L		94	70 - 130	2	20
1,1-Dichloroethane			20.0	21.02		ug/L		105	70 - 130	2	20
1,1-Dichloroethene			20.0	19.74		ug/L		99	70 - 130	4	20
1,1-Dichloropropene			20.0	20.91		ug/L		105	70 - 130	2	20
1,2,3-Trichlorobenzene			20.0	18.98		ug/L		95	70 - 130	3	20
1,2,3-Trichloropropane			20.0	18.87		ug/L		94	70 - 130	0	20
1,2,4-Trichlorobenzene			20.0	19.94		ug/L		100	70 - 130	1	20
1,2,4-Trimethylbenzene			20.0	20.08		ug/L		100	70 - 130	2	20
1,2-Dibromo-3-Chloropropane			20.0	17.52		ug/L		88	70 - 130	1	20
1,2-Dibromoethane (EDB)			20.0	19.53		ug/L		98	70 - 130	4	20
1,2-Dichlorobenzene			20.0	19.87		ug/L		99	70 - 130	2	20
1,2-Dichloroethane			20.0	20.24		ug/L		101	70 - 130	2	20
1,2-Dichloropropane			20.0	19.91		ug/L		100	70 - 130	4	20
1,3,5-Trimethylbenzene			20.0	20.10		ug/L		100	70 - 130	3	20
1,3-Dichlorobenzene			20.0	19.67		ug/L		98	70 - 130	3	20
1,3-Dichloropropane			20.0	18.84		ug/L		94	70 - 130	2	20
1,4-Dichlorobenzene			20.0	20.04		ug/L		100	70 - 130	2	20
2,2-Dichloropropane			20.0	23.20		ug/L		116	70 - 130	3	20
2-Chlorotoluene			20.0	19.94		ug/L		100	70 - 130	0	20
4-Chlorotoluene			20.0	19.23		ug/L		96	70 - 130	5	20
Benzene			20.0	20.03		ug/L		100	70 - 130	4	20
Bromobenzene			20.0	19.92		ug/L		100	70 - 130	2	20
Bromochloromethane			20.0	20.70		ug/L		104	70 - 130	1	20
Bromodichloromethane			20.0	20.28		ug/L		101	70 - 130	0	20
Bromoform			20.0	19.97		ug/L		100	70 - 130	1	20
Bromomethane			20.0	19.52		ug/L		98	70 - 130	3	20
Carbon tetrachloride			20.0	21.65		ug/L		108	70 - 130	3	20
Chlorobenzene			20.0	20.05		ug/L		100	70 - 130	2	20
Chlorodibromomethane			20.0	19.81		ug/L		99	70 - 130	1	20
Chloroethane			20.0	19.54		ug/L		98	70 - 130	5	20
Chloroform			20.0	20.82		ug/L		104	70 - 130	1	20
Chloromethane			20.0	21.24		ug/L		106	70 - 130	10	20
cis-1,2-Dichloroethene			20.0	21.19		ug/L		106	70 - 130	9	20
cis-1,3-Dichloropropene			20.0	19.91		ug/L		100	70 - 130	1	20
Dibromomethane			20.0	19.26		ug/L		96	70 - 130	1	20
Dichlorodifluoromethane			20.0	22.16		ug/L		111	70 - 130	6	20
Ethylbenzene			20.0	19.57		ug/L		98	70 - 130	2	20
Hexachlorobutadiene			20.0	23.28		ug/L		116	70 - 130	3	20
Isopropylbenzene			20.0	20.12		ug/L		101	70 - 130	4	20
Methylene Chloride			20.0	18.89		ug/L		94	70 - 130	7	20
Naphthalene			20.0	18.69		ug/L		93	70 - 130	1	20
n-Butylbenzene			20.0	20.64		ug/L		103	70 - 130	4	20
N-Propylbenzene			20.0	20.18		ug/L		101	70 - 130	3	20
p-Isopropyltoluene			20.0	20.54		ug/L		103	70 - 130	3	20
sec-Butylbenzene			20.0	20.45		ug/L		102	70 - 130	3	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-667637/4
Matrix: Water
Analysis Batch: 667637

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
Styrene			20.0	19.27		ug/L		96	70 - 130	3	20
tert-Butylbenzene			20.0	20.02		ug/L		100	70 - 130	3	20
Tetrachloroethene			20.0	18.83		ug/L		94	70 - 130	4	20
Toluene			20.0	20.07		ug/L		100	70 - 130	0	20
trans-1,2-Dichloroethene			20.0	21.43		ug/L		107	70 - 130	1	20
trans-1,3-Dichloropropene			20.0	19.33		ug/L		97	70 - 130	1	20
Trichloroethene			20.0	21.07		ug/L		105	70 - 130	1	20
Trichlorofluoromethane			20.0	22.96		ug/L		115	70 - 130	5	20
Vinyl chloride			20.0	20.72		ug/L		104	70 - 130	7	20
Tert-amyl methyl ether			16.0	15.91		ug/L		99	70 - 130	4	20
Diisopropyl ether			16.0	16.55		ug/L		103	70 - 130	8	20
Methyl tert-butyl ether			20.0	20.72		ug/L		104	70 - 130	3	20
Xylenes, Total			40.0	39.24		ug/L		98	70 - 130	3	20
Ethyl tert-butyl ether			16.0	16.26		ug/L		102	70 - 130	3	20
tert-Butyl alcohol			200	228.7		ug/L		114	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*104*		*70 - 130*

QC Association Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

GC/MS VOA

Analysis Batch: 667637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198105-1	2118 Round Hill Road	Total/NA	Water	524.2	
680-198105-2	2318 Pleasantville Road	Total/NA	Water	524.2	
680-198105-3	2403 Pleasantville Road	Total/NA	Water	524.2	
680-198105-4	2410 Pleasantville Road	Total/NA	Water	524.2	
MB 680-667637/8	Method Blank	Total/NA	Water	524.2	
LCS 680-667637/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-667637/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Lab Chronicle

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Client Sample ID: 2118 Round Hill Road
Lab Sample ID: 680-198105-1
Date Collected: 04/26/21 09:00
Matrix: Water
Date Received: 04/27/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	667637	05/07/21 13:04	SMP	TAL SAV
	Instrument ID: CMSAB									

Client Sample ID: 2318 Pleasantville Road
Lab Sample ID: 680-198105-2
Date Collected: 04/26/21 09:35
Matrix: Water
Date Received: 04/27/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	667637	05/07/21 13:27	SMP	TAL SAV
	Instrument ID: CMSAB									

Client Sample ID: 2403 Pleasantville Road
Lab Sample ID: 680-198105-3
Date Collected: 04/26/21 10:10
Matrix: Water
Date Received: 04/27/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	667637	05/07/21 13:51	SMP	TAL SAV
	Instrument ID: CMSAB									

Client Sample ID: 2410 Pleasantville Road
Lab Sample ID: 680-198105-4
Date Collected: 04/26/21 10:45
Matrix: Water
Date Received: 04/27/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	667637	05/07/21 14:14	SMP	TAL SAV
	Instrument ID: CMSAB									

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Job ID: 680-198105-1
Project/Site: 7-11 No 22281 (MD)

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Maryland	State	250	12-31-21

Method Summary

Client: AECOM
Project/Site: 7-11 No 22281 (MD)

Job ID: 680-198105-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

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

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information			
Client Contact: Ms. Rachael Allen	Sampler: Steve Stansbury	Lab PM: Evans, Lauren R	
Company: AECOM	Phone: 717-965-1379	E-Mail: Lauren.Evans@Eurofinset.com	Page: Page 1 of 1
Address: 430 National Business Parkway Suite 190	Due Date Requested:	PWSID:	
City: Annapolis Junction	TAT Requested (days):		
State, Zip: MD, 20701	Compliance Project: Yes No		
Phone: 410-379-6837(Tel) 301-289-3901(Fax)	PO #: Purchase Order Requested		
Email: Rachael.Allen@aecom.com	WO #:		
Project Name: 7-11 No 22281 (MD)	Project #: 40012890		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix	624.2_Preserved - Revision 3 Standard List+Oxys
2118 Round Hill Road	4/26/21	9:20	G	Water	X
2318 Pleasantville Road	4/26/21	9:35	G	Water	X
2403 Pleasantville Road	4/26/21	10:10	G	Water	X
2410 Pleasantville Road	4/26/21	10:45	G	Water	X
				Water	

680-198105 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[illegible]

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:	
Relinquished by: Steve Stansbury	Date/Time: 4/26/21 15:20	Company: AECOM	Received by: [signature]	Date/Time: 04-27-21 0945	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact:	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.9/5.0°C		

Login Sample Receipt Checklist

Client: AECOM

Job Number: 680-198105-1

Login Number: 198105
List Number: 1
Creator: Banda, Christy S

List Source: Eurofins TestAmerica, Savannah

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.	False	Refer to Job Narrative for details.
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	Emailed copy
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment E
Historic Harford Analytical Laboratory Reports

HARFORD COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH

120 South Hays Street, Suite 200 P.O. Box 797 Bel Air, Maryland 21014-0797

443-643-0323/443-643-0324

Andrew Bernstein, MD, MPH
Health Officer

August 23, 2004

Ms. Alice Jones
P.O. Box 371
Glen Arm, MD 21057

Re: Water Test Results for Volatile Organic Compounds
2108 Fallston Road
Tax I.D. **04036301**
Tax Map **47** , Parcel **308**

To Whom It May Concern:

This office collected a water sample on August 9, 2004. The results of the sample indicate that MTBE is present in your well water supply.

Contaminants	Results	Max. Contamination Level
MTBE	1.61	EPA Health Advisory 20-40 ppb
Naphthalene	4.37	Unregulated

Common source of Total THM's are byproducts of drinking water disinfection

At the time of sampling MTBE was detected and is below the EPA maximum contamination level. If you should have any questions, please feel free to contact me.

Sincerely,

Cari Biscoe

Cari Biscoe
Environmental Water Quality Program
Community Health Protection

16 A W

Send Report To:
Harford Co. Health Dept.
120 S. Hays St. STE 200
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
J. Mehsen Joseph, Ph.D., Director

Lab No. Date Received
950283 AUG 11
Do not write above this line

LABORATORY ANALYSIS REQUEST

rec'd 8/11/04

Bottle No: CB 410 AB **Plant/Site Name:** Fallston Seafood **County:** Harford

Sample Source: 2108 Fallston Rd (Street) Fallston (Town or City) **Location:** backroom bar sink (well no., lab sink, sample tap, etc.)

Sampler ID: 1 2 9 1 C B **PWSID:** **Plant ID:**

Collector: Cari Biscoe 443-643-0323 (include telephone number)

Date Collected: 08/09/2004 **Time Collected:** 10:10 a.m. ____ p.m.

Field Preserved: ☑ Yes ☐ No **Preservative Used:** ☑ 1:1 HCl+Ascorbic acid ☐ Na_2SO_4 ☐ 6 mg NH_4Cl

Sample Type:
- ☑ Drinking Water
- ☐ Community
- ☑ Non-Community
- ☐ Private
- ☐ Landfill
- ☐ Stream
- ☐ Sediment
- ☐ Source (Raw Water)
- ☐ Distribution (Treated)
- ☐ Water Treatment Plant POE
- ☐ Liquid
- ☐ Solid
- ☐ Other ____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ____

Test Requested: ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.5 (pH) 0.0 (Free Cl) 0.0 (Total Cl)

Field Blank Bottle No.: CB 410 F
Trip Blank Bottle No.: CB 410 T

Remarks: * Please Rush * No Filtration equit.
04030380
M47 P308

Section Chief: [signature] **Date Reported:** 8/16/04

•Phone: (410) 767-4388 •Fax: (410) 333-5237

Alice Jones
P.O. Box 371
Glen Arm, MD 21057

Form Revised 12/00
DHMH 4362 6/01

SUBMITTER'S COPY

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 950283 CB410A **Method:** EPA 524.2
Date Analyzed: 08/13/04

Contaminants	DL*	MCL*	Result*
TRIHALOMETHANES			
Bromodichloromethane	0.5	na	ND
Bromoform	0.5	na	ND
Chloroform	0.5	na	ND
Dibromochloromethane	0.5	na	ND
TOTAL THMs	-	80	-
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
cis-1,2-Dichloroethene	0.5	70	ND
trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	na	ND
m+p-Xylene	1.0	na	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	0.5	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

*All results are in parts per billion (ppb)
ND = Less than the detection limit
na = not applicable
e = estimated value

Contaminants	DL*	MCL*	Result*
UNREGULATED			
Dichlorodifluoromethane	0.5	na	ND
Chloromethane	0.5	na	ND
Bromomethane	0.5	na	ND
Chloroethane	0.5	na	ND
Trichlorofluoromethane	0.5	na	ND
1,1-Dichloroethane	0.5	na	ND
1,3-Dichlorobenzene	0.5	na	ND
Dibromomethane	0.5	na	ND
1,1-Dichloropropene	0.5	na	ND
trans-1,3-Dichloropropene	0.5	na	ND
1,1,2,2-Tetrachloroethane	0.5	na	ND
1,3-Dichloropropane	0.5	na	ND
2,2-Dichloropropane	0.5	na	ND
cis-1,3-Dichloropropene	0.5	na	ND
2-Chlorotoluene	0.5	na	ND
4-Chlorotoluene	0.5	na	ND
Bromobenzene	0.5	na	ND
1,3,5-Trimethylbenzene	0.5	na	ND
1,2,4-Trimethylbenzene	0.5	na	ND
1,2,3-Trichlorobenzene	0.5	na	ND
n-Propylbenzene	0.5	na	ND
n-Butylbenzene	0.5	na	ND
Naphthalene	0.5	na	4.37
Hexachlorobutadiene	0.5	na	ND
Isopropylbenzene	0.5	na	ND
1,2,3-Trichloropropane	0.5	na	ND
1,2-Dibromo-3-Chloropropane	0.5	na	ND
p-Isopropyltoluene	0.5	na	ND
tert-Butylbenzene	0.5	na	ND
sec-Butylbenzene	0.5	na	ND
Bromochloromethane	0.5	na	ND
1,1,1,2-Tetrachloroethane	0.5	na	ND
1,2-Dibromoethane	0.5	na	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	na	1.61
Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
tert-Amyl Methyl Ether (TAME)	0.5	na	ND

Section Chief: *Abraham J. Roman* Date Approved: *8/16/04*

Phone: (410) 767-5896 Fax: (410) 225-9318

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 950283 CB410F FB
Date Analyzed: 08/13/04
Method: EPA 524.2

Contaminants	DL*	MCL*	Result*
TRIHALOMETHANES			
Bromodichloromethane	0.5	na	ND
Bromoform	0.5	na	ND
Chloroform	0.5	na	ND
Dibromochloromethane	0.5	na	ND
TOTAL THMs	-	80	-
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
cis-1,2-Dichloroethene	0.5	70	ND
trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	na	ND
m+p-Xylene	1.0	na	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	0.5	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Result*
UNREGULATED			
Dichlorodifluoromethane	0.5	na	ND
Chloromethane	0.5	na	ND
Bromomethane	0.5	na	ND
Chloroethane	0.5	na	ND
Trichlorofluoromethane	0.5	na	ND
1,1-Dichloroethane	0.5	na	ND
1,3-Dichlorobenzene	0.5	na	ND
Dibromomethane	0.5	na	ND
1,1-Dichloropropene	0.5	na	ND
trans-1,3-Dichloropropene	0.5	na	ND
1,1,2,2-Tetrachloroethane	0.5	na	ND
1,3-Dichloropropane	0.5	na	ND
2,2-Dichloropropane	0.5	na	ND
cis-1,3-Dichloropropene	0.5	na	ND
2-Chlorotoluene	0.5	na	ND
4-Chlorotoluene	0.5	na	ND
Bromobenzene	0.5	na	ND
1,3,5-Trimethylbenzene	0.5	na	ND
1,2,4-Trimethylbenzene	0.5	na	ND
1,2,3-Trichlorobenzene	0.5	na	ND
n-Propylbenzene	0.5	na	ND
n-Butylbenzene	0.5	na	ND
Naphthalene	0.5	na	0.85
Hexachlorobutadiene	0.5	na	ND
Isopropylbenzene	0.5	na	ND
1,2,3-Trichloropropane	0.5	na	ND
1,2-Dibromo-3-Chloropropane	0.5	na	ND
p-Isopropyltoluene	0.5	na	ND
tert-Butylbenzene	0.5	na	ND
sec-Butylbenzene	0.5	na	ND
Bromochloromethane	0.5	na	ND
1,1,1,2-Tetrachloroethane	0.5	na	ND
1,2-Dibromoethane	0.5	na	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)
ND = Less than the detection limit
na = not applicable
e = estimated value

Section Chief: Charles J. Domeny Date Approved: 8/16/04

Phone: (410) 767-5896 Fax: (410) 225-9318

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 950283 CB410T TB
Date Analyzed: 08/13/04
Method: EPA 524.2

Contaminants	DL*	MCL*	Result*
TRIHALOMETHANES			
Bromodichloromethane	0.5	na	ND
Bromoform	0.5	na	ND
Chloroform	0.5	na	ND
Dibromochloromethane	0.5	na	ND
TOTAL THMs	-	80	-
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
cis-1,2-Dichloroethene	0.5	70	ND
trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	na	ND
m+p-Xylene	1.0	na	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	0.5	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Result*
UNREGULATED			
Dichlorodifluoromethane	0.5	na	ND
Chloromethane	0.5	na	ND
Bromomethane	0.5	na	ND
Chloroethane	0.5	na	ND
Trichlorofluoromethane	0.5	na	ND
1,1-Dichloroethane	0.5	na	ND
1,3-Dichlorobenzene	0.5	na	ND
Dibromomethane	0.5	na	ND
1,1-Dichloropropene	0.5	na	ND
trans-1,3-Dichloropropene	0.5	na	ND
1,1,2,2-Tetrachloroethane	0.5	na	ND
1,3-Dichloropropane	0.5	na	ND
2,2-Dichloropropane	0.5	na	ND
cis-1,3-Dichloropropene	0.5	na	ND
2-Chlorotoluene	0.5	na	ND
4-Chlorotoluene	0.5	na	ND
Bromobenzene	0.5	na	ND
1,3,5-Trimethylbenzene	0.5	na	ND
1,2,4-Trimethylbenzene	0.5	na	ND
1,2,3-Trichlorobenzene	0.5	na	ND
n-Propylbenzene	0.5	na	ND
n-Butylbenzene	0.5	na	ND
Naphthalene	0.5	na	ND
Hexachlorobutadiene	0.5	na	ND
Isopropylbenzene	0.5	na	ND
1,2,3-Trichloropropane	0.5	na	ND
1,2-Dibromo-3-Chloropropane	0.5	na	ND
p-Isopropyltoluene	0.5	na	ND
tert-Butylbenzene	0.5	na	ND
sec-Butylbenzene	0.5	na	ND
Bromochloromethane	0.5	na	ND
1,1,1,2-Tetrachloroethane	0.5	na	ND
1,2-Dibromoethane	0.5	na	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)
ND = Less than the detection limit
na = not applicable
e = estimated value

Section Chief: Charles J. Murray Date Approved: 8/16/04

Phone: (410) 767-5898 Fax: (410) 225-9318

HARFORD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH

120 South Hays Street. Suite 200 P.O. Box 797 Bel Air, Maryland 21014-0797
443-643-0323/443-643-0324

Andrew Bernstein, MD, MPH
Health Officer

August 23, 2004

Ms. Alice Jones
P.O. Box 371
Glen Arm, MD 21057

Re: Water Test Results for Volatile Organic Compounds
2108 Failston Road
Tax I.D. **04036301**
Tax Map **47** , Parcel **308**

To Whom It May Concern:

This office collected a water sample on August 9, 2004. The results of the sample indicate that MTBE is present in your well water supply.

Contaminants	Results	Max. Contamination Level
MTBE	1.61	EPA Health Advisory 20-40 ppb
Naphthalene	4.37	Unregulated

At the time of sampling MTBE was detected and is below the EPA maximum contamination level. If you should have any questions, please feel free to contact me.

Sincerely,

Cari Biscoe

Cari Biscoe
Environmental Water Quality Program
Community Health Protection

16 A W

Send Report To:
Harford Co. Health Dept.
120 S. Hays St. STE 200
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
J. Mehsen Joseph, Ph.D., Director

Lab No. Date Received
950283 AUG 11
Do not write above this line

rec'd 8/11/04

LABORATORY ANALYSIS REQUEST

Bottle No: CB 410 A,B **Plant/Site Name:** Fallston Seafood **County:** Harford

Sample Source: 2108 Fallston Rd (Street), Fallston (Town or City) **Location:** backroom bar sink (well no., lab sink, sample tap, etc.)

Sampler ID: 1 2 9 7 C B **PWSID:** **Plant ID:**

Collector: Cari Biscoe 443-643-0323 (include telephone number)

Date Collected: 08/09/2004 **Time Collected:** 10:10 a.m. ____ p.m.

Field Preserved: ☑ Yes ☐ No **Preservative Used:** ☑ 1:1 HCl+Ascorbic acid ☐ Na_2SO_4 ☐ 6 mg NH_4Cl

Sample Type:
- ☑ Drinking Water
- ☐ Community
- ☑ Non-Community
- ☐ Private
- ☐ Landfill
- ☐ Stream
- ☐ Sediment
- ☐ Source (Raw Water)
- ☐ Distribution (Treated)
- ☐ Water Treatment Plant POE
- ☐ Liquid
- ☐ Solid
- ☐ Other ____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ____

Test Requested: ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.5 (pH) 0.0 (Free Cl) 0.0 (Total Cl)

Field Blank Bottle No.: CB 410 F
Trip Blank Bottle No.: CB 410 T

Remarks: * Please Rush * No Filtration equip.
04036381
M47 P308

Section Chief: [signature] **Date Reported:** 8/16/04

•Phone: (410) 767-4388 •Fax: (410) 333-5237

Alice Jones
P.O. Box 371
Glen Arm, MD 21057

Form Revised 12/00
DHMH 4362 6/01

SUBMITTER'S COPY

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 950283 CB410A
Date Analyzed: 08/13/04
Method: EPA 524.2

Contaminants	DL*	MCL*	Result*
TRIHALOMETHANES			
Bromodichloromethane	0.5	na	ND
Bromoform	0.5	na	ND
Chloroform	0.5	na	ND
Dibromochloromethane	0.5	na	ND
TOTAL THMs	-	80	-
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
cis-1,2-Dichloroethene	0.5	70	ND
trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	na	ND
m+p-Xylene	1.0	na	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	0.5	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Result*
UNREGULATED			
Dichlorodifluoromethane	0.5	na	ND
Chloromethane	0.5	na	ND
Bromomethane	0.5	na	ND
Chloroethane	0.5	na	ND
Trichlorofluoromethane	0.5	na	ND
1,1-Dichloroethane	0.5	na	ND
1,3-Dichlorobenzene	0.5	na	ND
Dibromomethane	0.5	na	ND
1,1-Dichloropropene	0.5	na	ND
trans-1,3-Dichloropropene	0.5	na	ND
1,1,2,2-Tetrachloroethane	0.5	na	ND
1,3-Dichloropropane	0.5	na	ND
2,2-Dichloropropane	0.5	na	ND
cis-1,3-Dichloropropene	0.5	na	ND
2-Chlorotoluene	0.5	na	ND
4-Chlorotoluene	0.5	na	ND
Bromobenzene	0.5	na	ND
1,3,5-Trimethylbenzene	0.5	na	ND
1,2,4-Trimethylbenzene	0.5	na	ND
1,2,3-Trichlorobenzene	0.5	na	ND
n-Propylbenzene	0.5	na	ND
n-Butylbenzene	0.5	na	ND
Naphthalene	0.5	na	4.37
Hexachlorobutadiene	0.5	na	ND
Isopropylbenzene	0.5	na	ND
1,2,3-Trichloropropane	0.5	na	ND
1,2-Dibromo-3-Chloropropane	0.5	na	ND
p-Isopropyltoluene	0.5	na	ND
tert-Butylbenzene	0.5	na	ND
sec-Butylbenzene	0.5	na	ND
Bromochloromethane	0.5	na	ND
1,1,1,2-Tetrachloroethane	0.5	na	ND
1,2-Dibromoethane	0.5	na	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	na	1.61
Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)
ND = Less than the detection limit
na = not applicable
e = estimated value

Section Chief: Charles J. Demers
Date Approved: 8/16/04

Phone: (410) 767-5896 *Fax: (410) 225-9318*

CERTIFICATE OF ANALYSIS

TRACE LABORATORIES
5 North Park Drive
Hunt Valley, MD 21030
Telephone: 410/252-7742
Telephone: 410/584-9099
Fax: 410/584-9117
Email:
tracelab@connext.net
www.tracelabs.com

Maryland State Certified
Water Quality Laboratory
No. 318

Requester:
Ms. Alice Jones
P.O. Box 371
Glen Arm, Maryland 21057

S/O Number: 07-2219
Report Date: September 7, 2006

Property Sampled: **2102 Fallston Road, 21047, GWUDI Testing**

UIN#: **112-1007**
County: Harford **Tax Map #:** N/A 47
Subdivision: Fallston Seafood **Parcel #:** N/A 308

Date/Time Collected: September 6, 2006 at 12:30 pm
Date/Time Received: September 6, 2006 at 1:15 pm

Sample Location: Kitchen Tri-Sink Tap, Right Tap on Left Side of Tri-Sink
Sampler ID: 0887LF
Samples Iced: Yes
Residual Cl_2 <0.1 mg/L: Yes

Well Tag Number: Tag not visible
Well Condition: 2-Piece Cap
Cap Tight

Water Conditioning/Treatment: None

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Temperature	15°C			
Turbidity	0.65 NTU	EPA 180.1	10 NTU	Pass
pH	5.2 Units	EPA 150.1	*6.5-8.5 Units	***
Total Coliform	<1.0 MPN/100mL	SM 9223B	<1.0 MPN/100mL	Pass
E. Coli	<1.0 MPN/100mL	SM 9223B	<1.0 MPN/100mL	Pass

Heather R. Beam
Manager-Drinking Water Testing

MCL=Maximum Contamination Level
*SMCL=Secondary Maximum Contamination Level
***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.

CERTIFICATE OF ANALYSIS

TRACE LABORATORIES
5 North Park Drive
Hunt Valley, MD 21030
Telephone: 410/252-7742
Telephone: 410/584-9099
Fax: 410/584-9117
Email:
tracelab@connext.net
www.tracelabs.com

Maryland State Certified
Water Quality Laboratory
No. 318

Requester:
Ms. Alice Jones
P.O. Box 371
Glen Arm, Maryland 21057

S/O Number: 07-2219
Report Date: September 7, 2006

Property Sampled: **2102 Fallston Road, 21047, GWUDI Testing**

UIN#: **112-1007**
County: Harford **Tax Map #:** N/A
Subdivision: Fallston Seafood **Parcel #:** N/A

Date/Time Collected: September 6, 2006 at 12:30 pm
Date/Time Received: September 6, 2006 at 1:15 pm

Sample Location: Kitchen Tri-Sink Tap, Right Tap on Left Side of Tri-Sink
Sampler ID: 0887LF
Samples Iced: Yes
Residual Cl_2 <0.1 mg/L: Yes

Well Tag Number: Tag not visible
Well Condition: 2-Piece Cap
Cap Tight

Water Conditioning/Treatment: None

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Temperature	15°C			
Turbidity	0.65 NTU	EPA 180.1	10 NTU	Pass
pH	5.2 Units	EPA 150.1	*6.5-8.5 Units	***
Total Coliform	<1.0 MPN/100mL	SM 9223B	<1.0 MPN/100mL	Pass
E. Coli	<1.0 MPN/100mL	SM 9223B	<1.0 MPN/100mL	Pass

Heather R. Beam
Manager-Drinking Water Testing

MCL=Maximum Contamination Level
*SMCL=Secondary Maximum Contamination Level
***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.

HARFORD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH
www.co.ha.md.us/health

120 South Hays Street, Suite 200 P.O. Box 797 Bel Air, Maryland 21014-0797

443-643-0322

March 31, 2008

Fallston Shopping Center LLC
Attn: Dr. Fred Parker
P.O. Box 114
Jarrettsville, MD 21084

Re: Water Test Results for Volatile Organic Compounds
Fallston Shopping Center
PWSID# 112-1007
Tax Map 47, Parcel 308
Tax ID # 04036301

Dear Dr. Parker;

This office collected water samples on December 14, 2007 and January 29, 2008 at the above referenced address. The results indicate that the only volatile organic compound (VOC) detected was 1.43 and 1.21 parts per billion (ppb), respectably, of Methyl-tertiary-butyl ether (MTBE). This level is relatively low in regard to the EPA health advisory which is 20.0 ppb. It is your decision, at this time, whether to install treatment equipment on your water supply. Enclosed is a copy of the lab report for your records.

Since this facility is a Transient Non-Community Water Supply (TNCWS), and is located in close proximity to properties where there are underground fuel storage tanks, annual sampling for VOCs is required. The Health Department will perform this sampling until further notice. However, you should continue to utilize a private laboratory for the routine bacteria and nitrate sampling under the TNCWS Program.

If you should have any questions about the above information, please feel free to contact me.

Sincerely,

Gary M. Browning, R.S.
Transient Non-Community Water Systems Program Coordinator
Harford County Health Department

Encl. (2)
GMB/gmb

Send Report To: Harford Co. Health
120 S. Hays Street
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Lab No. Date Received

Do not write above this line

981102 DEC 17 5

LABORATORY ANALYSIS REQUEST

Bottle No: HA-270 / HA-272 **Plant / Site Name:** Fallston Seafood **County:** Harford

Sample Source: 2108 Fallston Rd (Street) ZIP 21047 (Town or City) **Location:** Food Prep Area (well no., lab sink, sample tap, etc.)

Sampler ID: 3 1 2 4 6 6 **PWSID:** ☐☐☐☐☐☐☐ **Plant ID:** ☐☐

Collector: Ibena / 443-643-0324 (include telephone number)

Date Collected: 12/14/2007 **Time Collected:** 11:55 a.m. ____ p.m.

Field Preserved: ☑ Yes ☐ No **Preservative Used:** ☑ 1:1 HCI+Ascorbic acid ☐ Na_2So_4 ☐ 6 mg NH_4CI

Sample Type:
☑ Drinking Water ☐ Landfill ☑ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
☐ Non-Community ☐ Sediment ☐ Water Treatment Plant POE ☐ Other
☑ Private

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other

Test Requested : ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: ____ pH 00 Free CI 00 Total CI

Field Blank Bottle No.: HA-272
Trip Blank Bottle No.: HA-273

410-877-9900

Remarks: Drilled well) OWNER ALEX THEODOROPOLOUS

Laboratory Supervisor: [signature] **Date Reported:** 1/4/08

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 12/05
DHMH 4362 (01/07)

(Transient) (VOCs Detected) → MTBE 1.43 PPb.

SUBMITTER'S COPY

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P. H., Director

Certificate of Analysis- Volatiles

Sample Name: 981102 HA-271
Date Analyzed: 12/25/2007
Method: EPA 524.2

Contaminants	DL*	MCL*	Results*
TRIHALOMETHANES			
Bromodichloromethane	0.5	N/A	ND
Bromoform	0.5	N/A	ND
Chloroform	0.5	N/A	ND
Dibromochloromethane	0.5	N/A	ND
Total THMs	-	80	ND
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
Cis-1,2-Dichloroethene	0.5	70	ND
Trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	N/A	ND
m + p xylene	1	N/A	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	1	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Results*
UNREGULATED			
Dichlorodifluoromethane	0.5	N/A	ND
Chloromethane	0.5	N/A	ND
Bromomethane	0.5	N/A	ND
Chloroethane	0.5	N/A	ND
Trichlorofluoromethane	0.5	N/A	ND
1,1-Dichloroethane	0.5	N/A	ND
1,3-Dichlorobenzene	0.5	N/A	ND
Dibromomethane	0.5	N/A	ND
1,1-Dichloropropene	0.5	N/A	ND
Cis-1,3-Dichloropropene	0.5	N/A	ND
1,1,2,2-Tetrachloroethane	0.5	N/A	ND
1,3-Dichloropropane	0.5	N/A	ND
2,2-Dichloropropane	0.5	N/A	ND
Trans-1,3-Dichloropropene	0.5	N/A	ND
2-Chlorotoluene	0.5	N/A	ND
4-Chlorotoluene	0.5	N/A	ND
Bromobenzene	0.5	N/A	ND
1,3,5-Trimethylbenzene	0.5	N/A	ND
1,2,4-Trimethylbenzene	0.5	N/A	ND
1,2,3-Trichlorobenzene	0.5	N/A	ND
n-Propylbenzene	0.5	N/A	ND
n-Butylbenzene	0.5	N/A	ND
Naphthalene	0.5	N/A	ND
Hexachlorobutadiene	0.5	N/A	ND
Isopropylbenzene	0.5	N/A	ND
1,2,3-Trichloropropane	0.5	N/A	ND
1,2-Dibromo-3-Chloropropane	0.5	N/A	ND
p-Isopropyltoluene	0.5	N/A	ND
tert-Butylbenzene	0.5	N/A	ND
sec-Butylbenzene	0.5	N/A	ND
Bromochloromethane	0.5	N/A	ND
1,1,1,2-Tetrachloroethane	0.5	N/A	ND
1,2-Dibromoethane	0.5	N/A	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	N/A	1.43
Ethyl-tert-Butyl Ether (ETBE)	0.5	N/A	ND
tert-Amyl Methyl Ether (TAME)	0.5	N/A	ND

*All Results are in parts per billion (ppb)
ND = Less than the detection limit
N/A = Not Applicable
e = Estimated value

Supervisor: Charlene J. Munn
Date Approved: 1/4/08

Phone: (410) 767-5855
Fax: (410) 225-9318

Send Report To:
Harford Co. Health
120 S. Hays Street
Bel Air, Md. 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Lab No. Date Received

Do not write above this line
981332 JAN 30 08

LABORATORY ANALYSIS REQUEST

Bottle No.: Ho-33 / Ho-34 **Plant / Site Name:** Fallston Seafood **County:** Harford

Sample Source: Restaurant 2108 (Street) Fallston 21047 (Town or City) **Location:** Utility Food Prep vicinity (well no., lab sink, sample tap, etc.)

Sampler ID: 3 7 7 4 X 13 **PWSID:** 1 1 2 1 0 0 7 **Plant ID:** 1 2

Collector: [signature] / 443-643-0324 (include telephone number)

Date Collected: 1 / 29 / 2008 **Time Collected:** 11:25 a.m. ______ p.m.

Field Preserved: ☑ Yes ☐ No **Preservative Used:** ☑ 1:1 HCl+Ascorbic acid ☐ Na_2So_4 ☐ 6 mg NH_4Cl

Sample Type: (Transient)
☑ Drinking Water ☐ Landfill ☑ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
☐ Non-Community ☐ Sediment ☐ Water Treatment Plant POE ☐ Other ______
☑ Private

Specify Program: ☐ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ______

Test Requested : ☐ Trihalomethanes ☐ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.5 (pH) 00 (Free Cl) 00 (Total Cl)

Field Blank Bottle No.: Ho-30
Trip Blank Bottle No.: Ho-31

Remarks: Drilled Well)

Laboratory Supervisor: [signature] **Date Reported:** 2/14/08

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 12/05
DHMH 4362 (01/07)

SUBMITTER'S COPY

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P. H., Director

Certificate of Analysis- Volatiles

Sample Name: 981332 HA-33
Date Analyzed: 2/7/2008

Method: EPA 524.2

Contaminants	DL*	MCL*	Results*
TRIHALOMETHANES			
Bromodichloromethane	0.5	N/A	ND
Bromoform	0.5	N/A	ND
Chloroform	0.5	N/A	ND
Dibromochloromethane	0.5	N/A	ND
Total THMs	-	80	ND
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
Cis-1,2-Dichloroethene	0.5	70	ND
Trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	2.36
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	N/A	ND
m + p xylene	1	N/A	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	1	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Results*
UNREGULATED			
Dichlorodifluoromethane	0.5	N/A	ND
Chloromethane	0.5	N/A	ND
Bromomethane	0.5	N/A	ND
Chloroethane	0.5	N/A	ND
Trichlorofluoromethane	0.5	N/A	ND
1,1-Dichloroethane	0.5	N/A	ND
1,3-Dichlorobenzene	0.5	N/A	ND
Dibromomethane	0.5	N/A	ND
1,1-Dichloropropene	0.5	N/A	ND
Cis-1,3-Dichloropropene	0.5	N/A	ND
1,1,2,2-Tetrachloroethane	0.5	N/A	ND
1,3-Dichloropropane	0.5	N/A	ND
2,2-Dichloropropane	0.5	N/A	ND
Trans-1,3-Dichloropropene	0.5	N/A	ND
2-Chlorotoluene	0.5	N/A	ND
4-Chlorotoluene	0.5	N/A	ND
Bromobenzene	0.5	N/A	ND
1,3,5-Trimethylbenzene	0.5	N/A	ND
1,2,4-Trimethylbenzene	0.5	N/A	ND
1,2,3-Trichlorobenzene	0.5	N/A	ND
n-Propylbenzene	0.5	N/A	ND
n-Butylbenzene	0.5	N/A	ND
Naphthalene	0.5	N/A	ND
Hexachlorobutadiene	0.5	N/A	ND
Isopropylbenzene	0.5	N/A	ND
1,2,3-Trichloropropane	0.5	N/A	ND
1,2-Dibromo-3-Chloropropane	0.5	N/A	ND
p-Isopropyltoluene	0.5	N/A	ND
tert-Butylbenzene	0.5	N/A	ND
sec-Butylbenzene	0.5	N/A	ND
Bromochloromethane	0.5	N/A	ND
1,1,1,2-Tetrachloroethane	0.5	N/A	ND
1,2-Dibromoethane	0.5	N/A	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	N/A	1.21
Ethyl-tert-Butyl Ether (ETBE)	0.5	N/A	ND
tert-Amyl Methyl Ether (TAME)	0.5	N/A	ND

*All Results are in parts per billion (ppb)
ND = Less than the detection limit
N/A = Not Applicable
e = Estimated value

Supervisor: Christine J. Munro

Date Approved: 2/14/08

Phone: (410) 767-5855

Fax: (410) 225-9318

HARFORD COUNTY HEALTH DEPARTMENT

120 S. Hays Street P.O. Box 797 Bel Air, Maryland 21014-0797

Susan C. Kelly, R.S.
Health Officer

Yngvild Olsen, MD, MPH
Deputy Health Officer

August 28, 2009

Fallston Shopping Center LLC
c/o Frederick W. Parker
2106 Fallston Road
Fallston, MD 21047

Re: Volatile Organic Compound Test Results
2108 Fallston Road
Map 47, Parcel 308
Tax ID#04036301

Dear Mr. Parker:

This office collected a water sample on 07/23/09. The results of the sample indicate that no Volatile Organic Compounds were detected.

Please note that landlords must share these results with any tenant occupying the property.

If you should have any questions, please call me at 410-877-2324.

Sincerely,

Gene Bena
Environmental Water Quality
Bureau of Environmental Health

GB/dp

Send Report To: Harford Co Health Dept
120 St Mary's Street
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Lab No. Date Received
900081 JUL 24 09
Do not write above this line

LABORATORY ANALYSIS REQUEST

Bottle No: Ha-925/Ha-926 Plant / Site Name: Fallston Seafood Store Center County: Harford

Sample Source: 2108 Fallston Rd, zip 21047 (Street) (Town or City) Location: Food Prep Room vicinity (well no., lab sink, sample tap, etc.)

Sampler ID: 3 7 7 4 6 3 PWSID: [illegible] Plant ID: [illegible]

Collector: G Beam / 443-643-0324 (include telephone number)

Date Collected: 07/03/2009 Time Collected: ____ a.m. 12:20 p.m. Temp: ____ °C

Field Preserved: ☑ Yes ☐ No Preservative Used: ☑ 1:1 HCl+Ascorbic acid ☐ Na_2SO_4 ☐ 6 mg NH_4Cl

Sample Type: ☑ Drinking Water ☐ Landfill ☑ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
☑ Non-Community ☐ Sediment ☐ Water Treatment Plant POE ☐ Other ____
Transient ☑ Private

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ____

Test Requested: ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.5 (pH) 0.0 (Free Cl) 0.0 (Total Cl)

Field Blank Bottle No.: Ha-962
Trip Blank Bottle No.: Ha-963

Remarks: Drilled Well 1-2

Laboratory Supervisor: Sadia Muneem Date Reported: 8/13/09

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 5/08
DHMH 4362 (03/08)

Fallston 7/11 Vicinity

No VOC's Detected

SUBMITTER'S COPY

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 900081 TB
Date Analyzed: 7/28/2009
Method: EPA 524.2

Contaminants	DL*	MCL*	Result*
TRIHALOMETHANES			
Bromodichloromethane	0.5	na	ND
Bromoform	0.5	na	ND
Chloroform	0.5	na	ND
Dibromochloromethane	0.5	na	ND
TOTAL THMs	-	80	-
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
cis-1,2-Dichloroethene	0.5	70	ND
trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	na	ND
m+p-Xylene	1.0	na	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	0.5	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Result*
UNREGULATED			
Dichlorodifluoromethane	0.5	na	ND
Chloromethane	0.5	na	ND
Bromomethane	0.5	na	ND
Chloroethane	0.5	na	ND
Trichlorofluoromethane	0.5	na	ND
1,1-Dichloroethane	0.5	na	ND
1,3-Dichlorobenzene	0.5	na	ND
Dibromomethane	0.5	na	ND
1,1-Dichloropropene	0.5	na	ND
trans-1,3-Dichloropropene	0.5	na	ND
1,1,2,2-Tetrachloroethane	0.5	na	ND
1,3-Dichloropropane	0.5	na	ND
2,2-Dichloropropane	0.5	na	ND
cis-1,3-Dichloropropene	0.5	na	ND
2-Chlorotoluene	0.5	na	ND
4-Chlorotoluene	0.5	na	ND
Bromobenzene	0.5	na	ND
1,3,5-Trimethylbenzene	0.5	na	ND
1,2,4-Trimethylbenzene	0.5	na	ND
1,2,3-Trichlorobenzene	0.5	na	ND
n-Propylbenzene	0.5	na	ND
n-Butylbenzene	0.5	na	ND
Naphthalene	0.5	na	ND
Hexachlorobutadiene	0.5	na	ND
Isopropylbenzene	0.5	na	ND
1,2,3-Trichloropropane	0.5	na	ND
1,2-Dibromo-3-Chloropropane	0.5	na	ND
p-Isopropyltoluene	0.5	na	ND
tert-Butylbenzene	0.5	na	ND
sec-Butylbenzene	0.5	na	ND
Bromochloromethane	0.5	na	ND
1,1,1,2-Tetrachloroethane	0.5	na	ND
1,2-Dibromoethane	0.5	na	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)
ND = Less than the detection limit
na = not applicable
e = estimated value

Section Chief: Sadia Muneem Date Approved: 8/13/09

Phone: (410) 767-5855 Fax: (410) 225-9318

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 900081 FB
Date Analyzed: 7/28/2009
Method: EPA 524.2

Contaminants	DL*	MCL*	Result*
TRIHALOMETHANES			
Bromodichloromethane	0.5	na	ND
Bromoform	0.5	na	ND
Chloroform	0.5	na	ND
Dibromochloromethane	0.5	na	ND
TOTAL THMs	-	80	-
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
cis-1,2-Dichloroethene	0.5	70	ND
trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	na	ND
m+p-Xylene	1.0	na	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	0.5	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Result*
UNREGULATED			
Dichlorodifluoromethane	0.5	na	ND
Chloromethane	0.5	na	ND
Bromomethane	0.5	na	ND
Chloroethane	0.5	na	ND
Trichlorofluoromethane	0.5	na	ND
1,1-Dichloroethane	0.5	na	ND
1,3-Dichlorobenzene	0.5	na	ND
Dibromomethane	0.5	na	ND
1,1-Dichloropropene	0.5	na	ND
trans-1,3-Dichloropropene	0.5	na	ND
1,1,2,2-Tetrachloroethane	0.5	na	ND
1,3-Dichloropropane	0.5	na	ND
2,2-Dichloropropane	0.5	na	ND
cis-1,3-Dichloropropene	0.5	na	ND
2-Chlorotoluene	0.5	na	ND
4-Chlorotoluene	0.5	na	ND
Bromobenzene	0.5	na	ND
1,3,5-Trimethylbenzene	0.5	na	ND
1,2,4-Trimethylbenzene	0.5	na	ND
1,2,3-Trichlorobenzene	0.5	na	ND
n-Propylbenzene	0.5	na	ND
n-Butylbenzene	0.5	na	ND
Naphthalene	0.5	na	ND
Hexachlorobutadiene	0.5	na	ND
Isopropylbenzene	0.5	na	ND
1,2,3-Trichloropropane	0.5	na	ND
1,2-Dibromo-3-Chloropropane	0.5	na	ND
p-Isopropyltoluene	0.5	na	ND
tert-Butylbenzene	0.5	na	ND
sec-Butylbenzene	0.5	na	ND
Bromochloromethane	0.5	na	ND
1,1,1,2-Tetrachloroethane	0.5	na	ND
1,2-Dibromoethane	0.5	na	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)
ND = Less than the detection limit
na = not applicable
e = estimated value

Section Chief: Sadia Muneem

Date Approved: 8/13/09

Phone: (410) 767-5855 ***Fax: (410) 225-9318***

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, MD 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 900081 HA-926
Date Analyzed: 7/28/2009
Method: EPA 524.2

Contaminants	DL*	MCL*	Result*
TRIHALOMETHANES			
Bromodichloromethane	0.5	na	ND
Bromoform	0.5	na	ND
Chloroform	0.5	na	ND
Dibromochloromethane	0.5	na	ND
TOTAL THMs	-	80	-
REGULATED			
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
1,4-Dichlorobenzene	0.5	75	ND
1,1-Dichloroethene	0.5	7	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloropropane	0.5	5	ND
cis-1,2-Dichloroethene	0.5	70	ND
trans-1,2-Dichloroethene	0.5	100	ND
Ethylbenzene	0.5	700	ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Trichloroethene	0.5	5	ND
1,1,1-Trichloroethane	0.5	200	ND
Toluene	0.5	1000	ND
Vinyl Chloride	0.5	2	ND
o-Xylene	0.5	na	ND
m+p-Xylene	1.0	na	ND
Total Xylenes	1.5	10000	ND
Methylene Chloride	0.5	5	ND
1,1,2-Trichloroethane	0.5	5	ND
1,2,4-Trichlorobenzene	0.5	70	ND

Contaminants	DL*	MCL*	Result*
UNREGULATED			
Dichlorodifluoromethane	0.5	na	ND
Chloromethane	0.5	na	ND
Bromomethane	0.5	na	ND
Chloroethane	0.5	na	ND
Trichlorofluoromethane	0.5	na	ND
1,1-Dichloroethane	0.5	na	ND
1,3-Dichlorobenzene	0.5	na	ND
Dibromomethane	0.5	na	ND
1,1-Dichloropropene	0.5	na	ND
trans-1,3-Dichloropropene	0.5	na	ND
1,1,2,2-Tetrachloroethane	0.5	na	ND
1,3-Dichloropropane	0.5	na	ND
2,2-Dichloropropane	0.5	na	ND
cis-1,3-Dichloropropene	0.5	na	ND
2-Chlorotoluene	0.5	na	ND
4-Chlorotoluene	0.5	na	ND
Bromobenzene	0.5	na	ND
1,3,5-Trimethylbenzene	0.5	na	ND
1,2,4-Trimethylbenzene	0.5	na	ND
1,2,3-Trichlorobenzene	0.5	na	ND
n-Propylbenzene	0.5	na	ND
n-Butylbenzene	0.5	na	ND
Naphthalene	0.5	na	ND
Hexachlorobutadiene	0.5	na	ND
Isopropylbenzene	0.5	na	ND
1,2,3-Trichloropropane	0.5	na	ND
1,2-Dibromo-3-Chloropropane	0.5	na	ND
p-Isopropyltoluene	0.5	na	ND
tert-Butylbenzene	0.5	na	ND
sec-Butylbenzene	0.5	na	ND
Bromochloromethane	0.5	na	ND
1,1,1,2-Tetrachloroethane	0.5	na	ND
1,2-Dibromoethane	0.5	na	ND
Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)
ND = Less than the detection limit
na = not applicable
e = estimated value

Section Chief: Sadia Khuneem Date Approved: 8/13/09

Phone: (410) 767-5855 ***Fax: (410) 225-9318***

HARFORD COUNTY HEALTH DEPARTMENT

120 South Hays Street P.O. Box 797 Bel Air, Maryland 21014-0797

Susan Kelly, R.S.
Health Officer

February 23, 2010

C/O Frederick W Parker
2106 Fallston Rd.
Fallston, MD 21047

Re: Water Sample Results
2108 Fallston Rd.
Map 47, Parcel 308
Tax ID# 04036301

Dear Mr. Parker:

This office collected a water sample on 1/5/10. The results of the sample indicate the following Volatile Organic Compounds present in your well water supply:

Contaminant	Limit	Result
Methyl-tert-Butyl Ether (MTBE)	20 ppb	1.36 ppb

Although Volatile Organic Compounds were detected, they are below the legal enforceable limits.

Please note that landlords must share these results with any tenant occupying the property.

If you should have any questions, please call me at 410-877-2324.

Sincerely,

Peter J. Smith
Environmental Water Quality

Send Report To:
Harford County Health Dpt - EH
120 S Hays St
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Lab No. Date Received

Do not write above this line

LABORATORY ANALYSIS REQUEST

Bottle No: PS5-04A, PS5-04B **Plant/Site Name:** Fallston Safeood **County:** Harford
Map 47, Parcel 308, Tax ID# 0403

Sample Source: 2108 Fallston Rd (Street) Fallston (Town or City) **Location:** Kitchen hand sink (well no., lab sink, sample tap, etc.)

Sampler ID: 4 8 1 1 H S **PWSID:** ☐☐☐☐☐☐☐ **Plant ID:** ☐☐

Collector: Peter Smith (410)877-2321 (include telephone number)

Date Collected: 1/5/2010 **Time Collected:** 11:00 a.m. _____ p.m.

Field Preserved: ☑ Yes ☐ No **Preservative Used:** ☑ 1:1 HCl+Ascorbic acid ☐ Na_2SO_4 ☐ 6 mg NH_4Cl

Sample Type:
- ☑ Drinking Water
- ☐ Community
- ☑ Non-Community
- ☐ Private
- ☐ Landfill
- ☐ Stream
- ☐ Sediment
- ☑ Source (Raw Water)
- ☐ Distribution (Treated)
- ☐ Water Treatment Plant POE
- ☐ Liquid
- ☐ Solid
- ☐ Other _____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other _____

Test Requested: ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 5.8 (pH) ⊘ (Free Cl) ⊘ (Total Cl)

Field Blank Bottle No.: PS5-FD
Trip Blank Bottle No.: PS5-TP

Remarks: _____

Laboratory Supervisor: Cadia Newsom **Date Reported:** 1/22/2010

Form Revised 6/04
DHMH 4362 6/04

E10002829006
Received: 01/06/2010 EPA 524.2
Trace Organics PS5-04A/B

*Fax: (410) 225-9318

PROGRAM COPY

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Method: EPA 524.2 VOCs and THMs

Lab. No: E10002829006

Date Received: 01/06/2010
Field ID: PS5-04A/B

Date Collected: 01/05/2010
Submitted By: Smith

Date Analyzed: 01/09/2010

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		ND
Dibromochloromethane	0.5		ND
TOTAL THMs		80	0.00
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	5.0		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND

Contaminant	DL	MCL	Result
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		1.36
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: Sharia Muneer

Approval date: 01/22/2010

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

HARFORD COUNTY HEALTH DEPARTMENT

120 S. Hays Street P.O. Box 797 Bel Air, Maryland 21014-0797

410-877-2321
FAX: 443-643-0334

May 21, 2012

Susan C. Kelly, R.S.
Health Officer

Russell W. Moy, MD, MPH
Deputy Health Officer

Fallston Seafood
2108 Fallston Road
Fallston, MD 21047

Re: Water Sample Results
2108 Fallston Road
Fallston, MD 21047
Map 47, Grid 2D, Parcel 308
Tax ID # 04-036301

To Whom It May Concern:

This office collected a water sample on May 8, 2012. The results of the sample indicate the following Volatile Organic Compounds present in your well water supply

Contaminant	Result	Limit
Methyl-tert-Butyl Ether	2.09 ppb	20 ppb

Although Volatile Organic Compounds were detected, they are below the legal enforceable limits.

Sincerely,

Peter J. Smith, M.P.H., R.S.
Environmental Water Quality
Bureau of Environmental Health

PS/bm

Send Report To:
Harford Co. Health Dept - EH
120 S Hays St. / P.O. Box 797
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Pleasantville Study 2012

Lab No. Date Received

Do not write above this line

LABORATORY ANALYSIS REQUEST

Bottle No: PS129-02A PS129-02B Plant / Site Name: Fallston Seafood County: Harford

Sample Source: 2108 Fallston Rd (Street) Fallston (Town or City) Location: hand sink (well no., lab sink, sample tap, etc.)

Sampler ID: 4 8 [ ] [ ] B S PWSID: [ ] 1 2 1 0 5 7 Plant ID: [ ] [ ]

Collector: Peter Smith (410) 877-2321 (include telephone number)

Date Collected: 5/8/2012 Time Collected: 11:15 a.m. ____ p.m. Temp: ____ °

Field Preserved: ☑ Yes ☐ No Preservative Used: ☑ 1:1 HCl+Ascorbic acid ☐ Na_2So_4 ☐ 6 mg NH_4Cl

Sample Type:
- ☑ Drinking Water
- ☐ Community
- ☑ Non-Community
- ☐ Private
- ☐ Landfill
- ☐ Stream
- ☐ Sediment
- ☑ Source (Raw Water)
- ☐ Distribution (Treated)
- ☐ Water Treatment Plant POE
- ☐ Liquid
- ☐ Solid
- ☐ Other ____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ____

Test Requested : ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.3 (pH) ND (Free Cl) ND (Total Cl)

Field Blank Bottle No.: PS129-FB

Trip Blank Bottle No.: PS129-TP

Remarks: ____

Laboratory Supervisor: ____ Date Reported: ____/____/____

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 5/08
DHMH 4362 (03/08)

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Lab. No: E12005779004

Method: EPA 524.2 VOCs and THMs

Date Received: 05/09/2012 Date Collected: 05/08/2012
Field ID: PS129-02A/B Submitted By: Smith Date Analyzed: 05/10/2012

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		ND
Dibromochloromethane	0.5		ND
TOTAL THMs		80	0.00
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	0.5		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		2.09
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: Sandra Meneses Approval date: 05/11/2012

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

Susan Kelly, R.S.
Health Officer

HARFORD COUNTY HEALTH DEPARTMENT

120 South Hays Street P.O. Box 797 Bel Air, Maryland 21014-0797

February 23, 2010

Mary Mc Hugh
2118 Round Hill Rd.
Fallston, MD 21047

Re: Water Sample Results
2118 Round Hill Rd.
Round Acres, Lot 52, Sec. 4
Tax ID# 04045637

Dear Mrs. Mc Hugh:

This office collected a water sample on 1/7/10. The results of the sample indicate the following Volatile Organic Compounds present in your well water supply:

Contaminant	Result	Limit
Chloroform	0.52 ppb	80 ppb

Although Volatile Organic Compounds were detected, they are below the legal enforceable limits.

Please note that landlords must share these results with any tenant occupying the property.

If you should have any questions, please call me at 410-877-2321.

Sincerely,

Peter J. Smith
Environmental Water Quality

Send Report To:
Harford County Health Dept - EH
120 S Hays St
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Lab No. Date Received

Do not write above this line

LABORATORY ANALYSIS REQUEST

(410)877-8219

Bottle No: PS13-02A PS13-02B **Plant/Site Name:** Marc McHugh **County:** Harford

Sample Source: 2117 Fountain Hill Rd. Fallston **Location:** Kitchen sink
Street / Town or City / (well no., lab sink, sample tap, etc.)

Sampler ID: 4 8 1 1 H S **PWSID:** ☐☐☐☐☐☐☐ **Plant ID:** ☐☐

Collector: Peter Smith (410)877-2321
(include telephone number)

Date Collected: 1/13/2010 **Time Collected:** ____ a.m. 1:00 p.m.

Field Preserved: ☑ Yes ☐ No **Preservative Used:** ☑ 1:1 HCl+Ascorbic acid ☐ Na_2SO_4 ☐ 6 mg NH_4Cl

Sample Type:
- ☑ Drinking Water
- ☐ Community
- ☐ Non-Community
- ☑ Private
- ☐ Landfill
- ☐ Stream
- ☐ Sediment
- ☑ Source (Raw Water)
- ☐ Distribution (Treated)
- ☐ Water Treatment Plant POE
- ☐ Liquid
- ☐ Solid
- ☐ Other ____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ____

Test Requested: ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.0 pH; ND Free Cl; NT Total Cl

Field Blank Bottle No.: PS13-FD
Trip Blank Bottle No.: PS13-TP

Remarks: Drilled well

Laboratory Supervisor: [signature] **Date Reported:** 1/22/2010

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 6/04
DHMH 4362 6/04

E10002986004
Received: 01/14/2010 EPA 524.2
Trace Organics PS13-02A/B

PROGRAM COPY

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Lab. No: E10002986004

Method: EPA 524.2 VOCs and THMs

Date Received: 01/14/2010 Date Collected: 01/13/2010
Field ID: PS13-02A/B Submitted By: Peter Smith Date Analyzed: 01/15/2010

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		0.52
Dibromochloromethane	0.5		ND
TOTAL THMs		80	0.52
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	5.0		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND

Contaminant	DL	MCL	Result
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		ND
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: [signature]

Approval date: 01/25/2010

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

HARFORD COUNTY HEALTH DEPARTMENT

120 S. Hays Street P.O. Box 797 Bel Air, Maryland 21014-0797

410-877-2321
FAX: 443-643-0334

May 30, 2012

Susan C. Kelly, R.S.
Health Officer

Russell W. Moy, MD, MPH
Deputy Health Officer

Mary McHugh
2118 Round Hill Road
Fallston, MD 21047

Re: Water Sample Results
2118 Round Hill Road
Fallston, MD 21047
Round Acres, Sec. 4, Lot 52
Map 47, Grid 2D, Parcel 252
Tax ID # 04-045637

Dear Ms. McHugh:

This office collected a water sample on May 9, 2012. The results of the sample indicate the following Volatile Organic Compounds present in your well water supply:

Contaminant	Result	Limit
Methyl-tert-Butyl Ether	0.55 ppb	20 ppb

Although Volatile Organic Compounds were detected, they are below the legal enforceable limits.

Sincerely,

Peter J. Smith, M.P.H., R.S.
Environmental Water Quality
Bureau of Environmental Health

PS/bm

Send Report To:
Harford Co. Hea Hlth Dept - EH
120 S Hays St / P.O. Box 797
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

2012 Pleasantville Study

Lab No. Date Received

Do not write above this line

LABORATORY ANALYSIS REQUEST

Bottle No: PS130-04A PS130-04B Plant / Site Name: Mary M. Hugh County: Harford

Sample Source: 2116 Round Hill Rd. (Street) Fallston (Town or City) Location: kitchen sink (well no., lab sink, sample tap, etc.)

Sampler ID: H8RIAS PWSID: ☐☐☐☐☐☐☐ Plant ID: ☐☐

Collector: Peter Smith (410)877-2321 (include telephone number)

Date Collected: 5/9/2012 Time Collected: 11:15 a.m. ____ p.m. Temp: ____ °C

Field Preserved: ☑ Yes ☐ No Preservative Used: ☑ 1:1 HCl+Ascorbic acid ☐ Na_2So_4 ☐ 6 mg NH_4Cl

Sample Type: ☑ Drinking Water ☐ Community ☐ Non-Community ☐ Private ☐ Landfill ☐ Stream ☐ Sediment ☐ Source (Raw Water) ☐ Distribution (Treated) ☐ Water Treatment Plant POE ☐ Liquid ☐ Solid ☐ Other ____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ____

Test Requested : ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.5 (pH) ∅ (Free Cl) ∅ (Total Cl)

Field Blank Bottle No.: PS130-FD
Trip Blank Bottle No.: PS130-TP

Remarks: Field blank was rejected due to bubble in vial. LWJ

Laboratory Supervisor: Sandra Murnane Date Reported: 5/17/12

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 5/08
DHMH 4362 (03/08)

E12005797006
Received: 05/10/2012 EPA 524.2
Trace Organics PS130-04A/B

SUBMITTER'S COPY

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Lab. No: E12005797006

Method: EPA 524.2 VOCs and THMs

Date Received: 05/10/2012 Date Collected: 05/09/2012
Field ID: PS130-04A/B Submitted By: Smith Date Analyzed: 05/15/2012

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		0.69
Dibromochloromethane	0.5		ND
TOTAL THMs		80	0.69
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	0.5		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND

Contaminant	DL	MCL	Result
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		0.55
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: [signature] Approval date: 05/16/2012

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

Susan Kelly, R.S.
Health Officer

HARFORD COUNTY HEALTH DEPARTMENT

120 South Hays Street P.O. Box 797 Bel Air, Maryland 21014-0797

February 23, 2010

Jay Kilian
2120 Round Hill Rd.
Fallston, MD 21047

Re: Water Sample Results
2120 Round Hill Rd.
Round Acres, Lot 51, Sec. 4
Tax ID# 04046781

Dear Mr. Kilian:

This office collected a water sample on 1/13/10. The results of the sample indicate the following Volatile Organic Compounds present in your well water supply:

Contaminant	Result	Limit
Chloroform	0.56 ppb	80 ppb

Although Volatile Organic Compounds were detected, they are below the legal enforceable limits.

Please note that landlords must share these results with any tenant occupying the property.

If you should have any questions, please call me at 410-877-2321.

Sincerely,

Peter J. Smith
Environmental Water Quality

Send Report To:
Harford County Health Dept - EH
120 S Hays St
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Lab No. Date Received

Do not write above this line

LABORATORY ANALYSIS REQUEST

410-877-7393

Bottle No: PS13-01A PS13-01B **Plant/Site Name:** Jan Klan **County:** Harford

Sample Source: 2120 Round Hill Rd. Fallston **Location:** kitchen sink
Street Town or City (well no., lab sink, sample tap, etc.)

Sampler ID: 4 9 1 1 4 5 **PWSID:** ☐☐☐☐☐☐☐ **Plant ID:** ☐☐

Collector: Peter Smith (410)877-7321
(include telephone number)

Date Collected: 1/13/2010 **Time Collected:** _____ a.m. 1:30 p.m.

Field Preserved: ☑ Yes ☐ No **Preservative Used:** ☑ 1:1 HCl+Ascorbic acid ☐ Na_2SO_4 ☐ 6 mg NH_4Cl

Sample Type:
- ☑ Drinking Water
- ☐ Community
- ☐ Non-Community
- ☑ Private
- ☐ Landfill
- ☐ Stream
- ☐ Sediment
- ☑ Source (Raw Water)
- ☐ Distribution (Treated)
- ☐ Water Treatment Plant POE
- ☐ Liquid
- ☐ Solid
- ☐ Other _____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other _____

Test Requested: ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA : 6.5 pH ⓪ Free Cl ⓪ Total Cl

Field Blank Bottle No.: PS13-FD

Trip Blank Bottle No.: PS13-TP

Remarks: 2nd well

Laboratory Supervisor: [illegible] **Date Reported:** 1/22/2010

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 6/04
DHMH 4362 6/04

E10002986002
Received: 01/14/2010 EPA 524.2
Trace Organics TB

E10002986003
Received: 01/14/2010 EPA 524.2
Trace Organics FB

E10002986001
Received: 01/14/2010 EPA 524.2
Trace Organics PS13-01A/B

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Method: EPA 524.2 VOCs and THMs

Lab. No: E10002986001

Date Received: 01/14/2010 Date Collected: 01/13/2010
Field ID: PS13-01A/B Submitted By: Peter Smith Date Analyzed: 01/15/2010

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		0.56
Dibromochloromethane	0.5		ND
TOTAL THMs		80	0.56
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	5.0		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND

Contaminant	DL	MCL	Result
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		ND
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: Sarah Mancuso Approval date: 01/25/2010

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Lab. No: E10002986002

Method: EPA 524.2 VOCs and THMs

Date Received: 01/14/2010
Field ID: TB
Date Collected: 01/13/2010
Submitted By: Peter Smith
Date Analyzed: 01/15/2010

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		ND
Dibromochloromethane	0.5		ND
TOTAL THMs		80	ND
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	5.0		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		ND
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: [signature]

Approval date: 01/25/2010

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Method: EPA 524.2 VOCs and THMs

Lab. No: E10002986003

Date Received: 01/14/2010
Field ID: FB

Date Collected: 01/13/2010
Submitted By: Peter Smith

Date Analyzed: 01/15/2010

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		ND
Dibromochloromethane	0.5		ND
TOTAL THMs		80	ND
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	5.0		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		ND
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: [signature]

Approval date: 01/25/2010

FINAL

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

Susan C. Kelly, R.S.
Health Officer

Russell W. Moy, MD, MPH
Deputy Health Officer

HARFORD COUNTY HEALTH DEPARTMENT

120 S. Hays Street P.O. Box 797 Bel Air, Maryland 21014-0797

410-877-2321
FAX: 443-643-0334

May 30, 2012

Jay Kilian
2120 Round Hill Road
Fallston, MD 21047

Re: Water Sample Results
2120 Round Hill Road
Fallston, MD 21047
Round Acres, Sec. 4, Lot 51
Map 47, Grid 2D, Parcel 252
Tax ID # 04-046781

Dear Mr. Kilian:

This office collected a water sample on May 9, 2012. The results of the sample indicate the following Volatile Organic Compounds present in your well water supply:

Contaminant	Result	Limit
Methyl-tert-Butyl Ether	0.72 ppb	20 ppb

Although Volatile Organic Compounds were detected, they are below the legal enforceable limits.

Sincerely,

Peter J. Smith, M.P.H., R.S.
Environmental Water Quality
Bureau of Environmental Health

PS/bm

Send Report To:
Harford Co Health Dept-EH
120 S Hays St. / P.O. Box 797
Bel Air, MD 21014

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

2012 Pleasantville Study

Lab No. Date Received

Do not write above this line

LABORATORY ANALYSIS REQUEST

Bottle No: PS130-03A PS130-03A Plant / Site Name: Jay Kilian County: Harford

Sample Source: 2120 Round Hill Rd. (Street) Fallston (Town or City) Location: Kitchen Sink (well no., lab sink, sample tap, etc.)

Sampler ID: H8IIPS PWSID: ☐☐☐☐☐☐☐ Plant ID: ☐☐

Collector: Peter Smith (410) 877-2321 (include telephone number)

Date Collected: 5/9/2012 Time Collected: 10:45 a.m. ____ p.m. Temp: ____ °C

Field Preserved: ☑ Yes ☐ No Preservative Used: ☑ 1:1 HCl+Ascorbic acid ☐ Na_2So_4 ☐ 6 mg NH_4Cl

Sample Type:
- ☑ Drinking Water
  - ☐ Community
  - ☐ Non-Community
  - ☑ Private
- ☐ Landfill
- ☐ Stream
- ☐ Sediment
- ☑ Source (Raw Water)
- ☐ Distribution (Treated)
- ☐ Water Treatment Plant POE
- ☐ Liquid
- ☐ Solid
- ☐ Other ____

Specify Program: ☑ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other ____

Test Requested : ☐ Trihalomethanes ☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 6.3 (pH) CP (Free Cl) CD (Total Cl)

Field Blank Bottle No.: PS130-FB

Trip Blank Bottle No.: PS130-TP

Remarks: One vial was rejected due to a bubble in it. KAT

Laboratory Supervisor: Sadia Mureem Date Reported: 5/17/12

•Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 5/08
DHMH 4362 (03/08)

E12005797005
Received: 05/10/2012 EPA 524.2
Trace Organics PS130-03A/B

SUBMITTER'S COPY

State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director

Certificate of Analysis

HARFORD CO HD ENVIRO HLTH
PO BOX 797 / 120 S HAYS ST
BEL AIR, MD 21014

Lab. No: E12005797005

Method: EPA 524.2 VOCs and THMs

Date Received: 05/10/2012 Date Collected: 05/09/2012
Field ID: PS130-03A/B Submitted By: Smith Date Analyzed: 05/15/2012

Contaminant	DL	MCL	Result
REGULATED			
1,1,1-Trichloroethane	0.5	200	ND
1,1,2-Trichloroethane	0.5	5	ND
1,1-Dichloroethene	0.5	7	ND
1,2,4-Trichlorobenzene	0.5	70	ND
1,2-Dichlorobenzene	0.5	600	ND
1,2-Dichloroethane	0.5	5	ND
1,2-Dichloropropane	0.5	5	ND
1,4-Dichlorobenzene	0.5	75	ND
Benzene	0.5	5	ND
Carbon Tetrachloride	0.5	5	ND
Chlorobenzene	0.5	100	ND
cis-1,2-Dichloroethene	0.5	70	ND
Ethylbenzene	0.5	700	ND
m+p-Xylene	1.0		ND
Methylene Chloride	0.5	5	ND
o-Xylene	0.5		ND
Styrene	0.5	100	ND
Tetrachloroethene	0.5	5	ND
Toluene	0.5	1000	ND
Total Xylenes	1.5	10000	ND
trans-1,2-Dichloroethene	0.5	100	ND
Trichloroethene	0.5	5	ND
Vinyl Chloride	0.5	2	ND
TRIHALOMETHANES			
Bromodichloromethane	0.5		ND
Bromoform	0.5		ND
Chloroform	0.5		1.21
Dibromochloromethane	0.5		ND
TOTAL THMs		80	1.21
UNREGULATED			
1,1,1,2-Tetrachloroethane	0.5		ND
1,1,2,2-Tetrachloroethane	0.5		ND
1,1-Dichloroethane	0.5		ND
1,1-Dichloropropene	0.5		ND
1,2,3-Trichlorobenzene	0.5		ND
1,2,3-Trichloropropane	0.5		ND
1,2,4-Trimethylbenzene	0.5		ND
1,2-Dibromo-3-Chloropropane	0.5		ND
1,2-Dibromoethane	0.5		ND
1,3,5-Trimethylbenzene	0.5		ND
1,3-Dichlorobenzene	0.5		ND
1,3-Dichloropropane	0.5		ND
2,2-Dichloropropane	0.5		ND
2-Chlorotoluene	0.5		ND
4-Chlorotoluene	0.5		ND
Bromobenzene	0.5		ND
Bromochloromethane	0.5		ND
Bromomethane	0.5		ND
Chloroethane	0.5		ND
Chloromethane	0.5		ND
cis-1,3-Dichloropropene	0.5		ND
Dibromomethane	0.5		ND
Dichlorodifluoromethane	0.5		ND
Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Hexachlorobutadiene	0.5		ND
Isopropylbenzene	0.5		ND
Methyl-tert-Butyl Ether (MTBE)	0.5		0.76
Naphthalene	0.5		ND
n-Butylbenzene	0.5		ND
n-Propylbenzene	0.5		ND
p-Isopropyltoluene	0.5		ND
sec-Butylbenzene	0.5		ND
tert-Amyl Methyl Ether (TAME)	0.5		ND
tert-Butylbenzene	0.5		ND
trans-1,3-Dichloropropene	0.5		ND
Trichlorofluoromethane	0.5		ND

Comments:

Approved by: Sandra Nunez Approval date: 05/16/2012

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

Telephone: (410) 767 -6648 Fax: (410) 225-2451

Analytical Report for

AECOM

Certificate of Analysis No.: 9061216

Project Manager: John Canzeri
Project Name : 7-11 Fallston
Project Location: Maryland
Project ID : 06230-859

June 26, 2009

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
800-932-9047

PHASE SEPARATION SCIENCE, INC.

June 26, 2009

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order No: **9061216**
Project Name : 7-11 Fallston
Project Location: Maryland
Project ID.: 06230-859

Dear John Canzeri :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **9061216**.

All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on July 17, 2009. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Dan Prucnal
Laboratory Manager

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Fallston

Project ID: 06230-859

Work Order Number: 9061216

The following samples were received under chain of custody by Phase Separation Science (PSS) on 06/12/2009 at 02:48 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
9061216-001	2414 pot	DRINKING WATER	06/11/2009 04:04 pm

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C Results Pending Final Confirmation.
D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
ND Not Detected at or above the reporting limit.
RL Reporting Limit.
U Not detected.

OFFICES:
6630 BALTIMORE NATIONAL PIKE
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BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 9061216
AECOM, Columbia, MD
June 26, 2009

Project Name: 7-11 Fallston
Project Location: Maryland
Project ID: 06230-859

Sample ID: 2414 pot **Date/Time Sampled: 06/11/2009 16:04** **PSS Sample ID: 9061216-001**
Matrix: DRINKING WATER **Date/Time Received: 06/12/2009 14:48**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2

	Result	Units	Rep Limit	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Bromobenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Bromochloromethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Bromodichloromethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Bromoform	ND	ug/L	5		1	06/16/09	06/16/09 17:35	1014
Bromomethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
tert-Butylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
sec-Butylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
n-Butylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Carbon Tetrachloride	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Chlorobenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Chloroethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Chloroform	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Chloromethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
2-Chlorotoluene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
4-Chlorotoluene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2-Dibromo-3-Chloropropane	ND	ug/L	5		1	06/16/09	06/16/09 17:35	1014
Dibromochloromethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2-Dibromoethane (EDB)	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Dibromomethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2-Dichlorobenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,3-Dichlorobenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,4-Dichlorobenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Dichlorodifluoromethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,1-Dichloroethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2-Dichloroethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
cis-1,2-Dichloroethene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
trans-1,2-Dichloroethene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,1-Dichloroethene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2-Dichloropropane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014

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BALTIMORE, MD 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 9061216
AECOM, Columbia, MD
June 26, 2009

Project Name: 7-11 Fallston
Project Location: Maryland
Project ID: 06230-859

Sample ID: 2414 pot **Date/Time Sampled: 06/11/2009 16:04** **PSS Sample ID: 9061216-001**
Matrix: DRINKING WATER **Date/Time Received: 06/12/2009 14:48**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2

	Result	Units	Rep Limit	Flag	Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
2,2-Dichloropropane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,1-Dichloropropene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
cis-1,3-Dichloropropene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Ethylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Isopropylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
4-Isopropyltoluene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Methylene Chloride	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Methyl-t-butyl ether	**3.4**	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Naphthalene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
n-Propylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Styrene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Diisopropyl ether	ND	ug/L	5		1	06/16/09	06/16/09 17:35	1014
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Tetrachloroethene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Toluene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2,3-Trichlorobenzene	ND	ug/L	1		1	06/16/09	06/16/09 17:35	1014
1,2,4-Trichlorobenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,1,1-Trichloroethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,1,2-Trichloroethane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Trichloroethene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2,3-Trichloropropane	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,2,4-Trimethylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
1,3,5-Trimethylbenzene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
Vinyl Chloride	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
o-Xylene	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
m,p-Xylenes	ND	ug/L	0.5		1	06/16/09	06/16/09 17:35	1014
tert-Butyl ethyl ether	ND	ug/L	5		1	06/16/09	06/16/09 17:35	1014
tert-Butyl alcohol	ND	ug/L	20		1	06/16/09	06/16/09 17:35	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 9061216
AECOM, Columbia, MD
June 26, 2009

Project Name: 7-11 Fallston
Project Location: Maryland
Project ID: 06230-859

Sample ID: 2414 pot **Date/Time Sampled: 06/11/2009 16:04** **PSS Sample ID: 9061216-001**
Matrix: DRINKING WATER **Date/Time Received: 06/12/2009 14:48**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2

	Result	Units	Rep Limit	Flag	Dil	Prepared	Analyzed	Analyst
tert-Amyl methyl ether	ND	ug/L	5		1	06/16/09	06/16/09 17:35	1014
tert-Amyl ethyl ether	ND	ug/L	5		1	06/16/09	06/16/09 17:35	1014
tert-Amyl alcohol	ND	ug/L	20		1	06/16/09	06/16/09 17:35	1014

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW846 8015C — Preparation Method: SW846 5030B

	Result	Units	Rep Limit	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	06/15/09	06/15/09 17:26	1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1)
CLIENT: AECOM OFFICE LOC.: Columbia, MD
PROJECT MGR: J. Canzeri PHONE NO.: (410) 884-9280
EMAIL: FAX NO.: ( )
PROJECT NAME: 7-11 Fallston PROJECT NO.: 60230-859
SITE LOCATION: Maryland P.O. NO.:
SAMPLERS: S. Ecklin

PSS Work Order #: 90612116 PAGE 1 OF 1

Matrix Codes:
SW=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE (C = COMP, G = GRAB)	Preservatives Used												REMARKS
							Analysis/ Method Required (3)		Full VOCs + OXY by 524.2	TPH-GRO									
1	2414 pot	6/11/09	1604	DW	6	G			X	X									serve <25ppl

(5)

Relinquished By: (1)	Date	Time	Received By:
	6/12/09	14:00	
Relinquished By: (2)	Date	Time	Received By:
	6/12/9	14:48	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Requested Turnaround Time
☐ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☒ Other

Data Deliverables Required: AECOM EDD

# of Coolers: 1
Custody Seal: ABS
Ice Present: PRES Temp: 5°C
Shipping Carrier: CLIENT

Special Instructions: 10 day

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Phase Separation Science, Inc

Sample Receipt Checklist

Wo Number	9061216	**Received By**	Lynn Moran
Client Name	AECOM	**Date Received**	06/12/2009 02:48:00 PM
Project Name	7-11 Fallston	**Delivered By**	Client
Project Number	06230-859	**Tracking No**	Not Applicable
Disposal Date:	07/17/2009	**Logged In By**	Rachel Davis

Shipping Container(s)

No of Coolers	1	Ice	Present ✓
Custody Seals	Absent ✓	Temp (deg C)	5 ✓
Seal Condition	Not Applicable	Temp Blank Present	No

Documentation

COC agrees with sample labels? X Yes or ___ No

Chain of Custody (COC) X Yes or ___ No

Sample Container

Appropiate for Specified Analysis?	Yes X No___	Custody Seal(s)	Absent
Intact?	X ___	Custody Seal(s) Intact?	Not Applicable ✓
Labeled and Labels Legible	X ___	Seal(s) Signed / Dated	Not Applicable
Total No. of Samples Received	1	Total No. of Containers Received	6

Preservation

		Yes	No	N/A
Metals	(pH<2)	___	___	X
Cyanides	(pH>12)	___	___	X
Sulfide	(pH>9)	___	___	X
TOC, COD, Phenols	(pH<2)	___	___	X
TOX, TKN, NH3, Total Phos	(pH<2)	___	___	X
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	X	___	___
Do VOA vials have zero headspace?		X	___	___

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling.

Samples Inspected/Checklist Completed By: _____ Date: 6/12/9

PM Review and Approval: _____ Date: 6/14/09

Printed: 06/12/2009 03:30 PM

Analytical Report for

AECOM

Certificate of Analysis No.: 10021905

Project Manager: John Canzeri
Project Name : 7-11 Fallston
Project Location: MD
Project ID : 60144763

March 5, 2010

Phase Separation Science, Inc.
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Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

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PHASE SEPARATION SCIENCE, INC.

March 5, 2010

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order No: **10021905**
Project Name : 7-11 Fallston
Project Location: MD
Project ID.: 60144763

Dear John Canzeri :

The attached Analytical and QC Summary lists the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **10021905**.

All work reported herein has been performed in accordance with referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on March 26, 2010. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 10 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Dan Prucnal
Laboratory Manager

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Fallston

Project ID: 60144763

Work Order Number: 10021905

The following samples were received under chain of custody by Phase Separation Science (PSS) on 02/19/2010 at 10:35 am

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
10021905-001	Dental Technology Well	GROUND WATER	02/18/2010 12:45

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in the Sample Receipt Checklist.

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- J The target analyte was positively identified below the reporting limit but greater than one-half of the reporting limit.
- LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte and matrix specific.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 10021905
AECOM, Columbia, MD
March 5, 2010

Project Name: 7-11 Fallston
Project Location: MD
Project ID: 60144763

Sample ID: Dental Technology Well **Date/Time Sampled: 02/18/2010 12:45** **PSS Sample ID: 10021905-001**
Matrix: GROUND WATER **Date/Time Received: 02/19/2010 10:35**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Bromobenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Bromochloromethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Bromodichloromethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Bromoform	ND	ug/L	5		1	02/22/10	02/22/10 20:52	
Bromomethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
tert-Butylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
sec-Butylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
n-Butylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Carbon Tetrachloride	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Chlorobenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Chloroethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Chloroform	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Chloromethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
2-Chlorotoluene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
4-Chlorotoluene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2-Dibromo-3-Chloropropane	ND	ug/L	5		1	02/22/10	02/22/10 20:52	
Dibromochloromethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2-Dibromoethane (EDB)	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Dibromomethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2-Dichlorobenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,3-Dichlorobenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,4-Dichlorobenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Dichlorodifluoromethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,1-Dichloroethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2-Dichloroethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
cis-1,2-Dichloroethene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
trans-1,2-Dichloroethene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,1-Dichloroethene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2-Dichloropropane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,3-Dichloropropane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 10021905
AECOM, Columbia, MD
March 5, 2010

Project Name: 7-11 Fallston
Project Location: MD
Project ID: 60144763

Sample ID: Dental Technology Well **Date/Time Sampled: 02/18/2010 12:45** **PSS Sample ID: 10021905-001**
Matrix: GROUND WATER **Date/Time Received: 02/19/2010 10:35**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
2,2-Dichloropropane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,1-Dichloropropene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
cis-1,3-Dichloropropene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Ethylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Isopropylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
4-Isopropyltoluene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Methylene Chloride	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Methyl-t-butyl ether	**3.8**	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Naphthalene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
n-Propylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Styrene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Diisopropyl ether	ND	ug/L	5		1	02/22/10	02/22/10 20:52	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Tetrachloroethene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Toluene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2,3-Trichlorobenzene	ND	ug/L	1		1	02/22/10	02/22/10 20:52	
1,2,4-Trichlorobenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,1,1-Trichloroethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,1,2-Trichloroethane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Trichloroethene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2,3-Trichloropropane	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,2,4-Trimethylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
1,3,5-Trimethylbenzene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
Vinyl Chloride	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
o-Xylene	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
m,p-Xylenes	ND	ug/L	0.5		1	02/22/10	02/22/10 20:52	
tert-Butyl ethyl ether	ND	ug/L	5		1	02/22/10	02/22/10 20:52	
tert-Butyl alcohol	ND	ug/L	20		1	02/22/10	02/22/10 20:52	
tert-Amyl methyl ether	ND	ug/L	5		1	02/22/10	02/22/10 20:52	
tert-Amyl alcohol	ND	ug/L	20		1	02/22/10	02/22/10 20:52	

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 10021905
AECOM, Columbia, MD
March 5, 2010

Project Name: 7-11 Fallston
Project Location: MD
Project ID: 60144763

Sample ID: Dental Technology Well **Date/Time Sampled: 02/18/2010 12:45** **PSS Sample ID: 10021905-001**
Matrix: GROUND WATER **Date/Time Received: 02/19/2010 10:35**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Amyl ethyl ether	ND	ug/L	5		1	02/22/10	02/22/10 20:52	

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW846 8015C — Preparation Method: SW846 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	02/19/10	02/19/10 15:32	1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1)
CLIENT: AECOM OFFICE LOC. Columbia, MD
PROJECT MGR: John Canzeri PHONE NO.: (410) 884-9280
EMAIL: FAX NO.: ( )
PROJECT NAME: 7-11 Fallston PROJECT NO.: 60144763
SITE LOCATION: MD P.O. NO.:
SAMPLERS: Mike Parsons 443 286 2673

PSS Work Order #: 1002 1905 PAGE 1 OF 1

Matrix Codes:
SW=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: HCl, Ice	Analysis/ Method Required (3): S24.2 in. OXY; GRO	REMARKS
1	Dental Technology well	2/18/10	1245	GW	6	G	✓	✓	

(5)

Relinquished By: (1)	Date	Time	Received By:
Mike Parsons	2/19/10	1035	R Davis
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)
Requested Turnaround Time
☐ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☑ Other

Data Deliverables Required: AECOM EDD

# of Coolers: 1
Custody Seal: ABS
Ice Present: YES Temp: 2°C
Shipping Carrier: CLIENT

Special Instructions: RP DAY

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Phase Separation Science, Inc

Sample Receipt Checklist

Wo Number	10021905	**Received By**	Rachel Davis
Client Name	AECOM	**Date Received**	02/19/2010 10:35:00 AM
Project Name	7-11 Fallston	**Delivered By**	Client
Project Number	60144763	**Tracking No**	Not Applicable
Disposal Date:	03/26/2010	**Logged In By**	Rachel Davis

Shipping Container(s)

No. of Coolers	1	Ice	Present
Custody Seals	Not Applicable	Temp (deg C)	2
Seal Condition	Not Applicable	Temp Blank Present	No

Documentation

COC agrees with sample labels? X Yes or ____ No Sampler Name: Mike Parsons

Chain of Custody (COC) X Yes or ____ No MD DW Cert No : N/A

Sample Container

Appropiate for Specified Analysis?	Yes X No ____	Custody Seal(s)	Absent
Intact?	X ____	Custody Seal(s) Intact?	Not Applicable
Labeled and Labels Legible	X ____	Seal(s) Signed / Dated	Not Applicable
Total No. of Samples Received	1	Total No of Containers Received	6

Preservation

		Yes	No	N/A
Metals	(pH<2)	____	____	X
Cyanides	(pH>12)	____	____	X
Sulfide	(pH>9)	____	____	X
TOC, COD, Phenols	(pH<2)	____	____	X
TOX, TKN, NH3, Total Phos	(pH<2)	____	____	X
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	X	____	____
Do VOA vials have zero headspace?		X	____	____

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling.

Samples Inspected/Checklist Completed By: _____ Date: 2/19/10

PM Review and Approval: _____ Date: 2/19/10

Printed: 02/19/2010 12:12 PM

Analytical Report for

AECOM

Certificate of Analysis No.: 11120911

Project Manager: John Canzeri
Project Name : 7-11 Fallston
Project Location: Falston, MD
Project ID : 60144763

December 16, 2011

Phase Separation Science, Inc.
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PHASE SEPARATION SCIENCE, INC.

December 16, 2011

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order No: **11120911**
Project Name: 7-11 Fallston
Project Location: Falston, MD
Project ID.: 60144763

Dear John Canzeri :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **11120911**.

All work reported herein has been performed in accordance with current NELAP standards referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on January 13, 2012. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

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We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Dan Prucnal
Laboratory Manager

Sample Summary

Client Name: AECOM

Project Name: 7-11 Fallston

Project ID: 60144763

Work Order Number: 11120911

The following samples were received under chain of custody by Phase Separation Science (PSS) on 12/09/2011 at 10:25 am

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
11120911-001	2414 Pleasantville Rd. Potable	GROUND WATER	12/08/2011 09:30

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

B A target analyte or commone laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C Results Pending Final Confirmation.
E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J The target analyte was positively identified below the reporting limit but greater than the LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** An LOD is analyte and matrix specific.
ND Not Detected at or above the reporting limit.
RL PSS Reporting Limit.
U Not detected.

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Fallston

Project ID: 60144763 Work Order Number: 11120911

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Sample Receipt:

Changed VOA from 8260 to 524.2 per client email.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 11120911
AECOM, Columbia, MD
December 16, 2011

Project Name: 7-11 Fallston
Project Location: Falston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd. Potable **Date/Time Sampled: 12/08/2011 09:30** **PSS Sample ID: 11120911-001**
Matrix: GROUND WATER **Date/Time Received: 12/09/2011 10:25**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Bromobenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Bromochloromethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Bromodichloromethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Bromoform	ND	ug/L	5.0		1	12/13/11	12/14/11 00:18	1014
Bromomethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
tert-Butylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
sec-Butylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
n-Butylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Carbon Tetrachloride	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Chlorobenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Chloroethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Chloroform	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Chloromethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
2-Chlorotoluene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
4-Chlorotoluene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2-Dibromo-3-Chloropropane	ND	ug/L	5.0		1	12/13/11	12/14/11 00:18	1014
Dibromochloromethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2-Dibromoethane (EDB)	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Dibromomethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2-Dichlorobenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,3-Dichlorobenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,4-Dichlorobenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Dichlorodifluoromethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,1-Dichloroethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2-Dichloroethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
cis-1,2-Dichloroethene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
trans-1,2-Dichloroethene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,1-Dichloroethene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2-Dichloropropane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 11120911
AECOM, Columbia, MD
December 16, 2011

Project Name: 7-11 Fallston
Project Location: Falston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd. Potable **Date/Time Sampled: 12/08/2011 09:30** **PSS Sample ID: 11120911-001**
Matrix: GROUND WATER **Date/Time Received: 12/09/2011 10:25**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
2,2-Dichloropropane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,1-Dichloropropene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
cis-1,3-Dichloropropene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Ethylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Isopropylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
4-Isopropyltoluene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Methylene Chloride	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Methyl-t-butyl ether	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Naphthalene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
n-Propylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Styrene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Diisopropyl ether	ND	ug/L	5.0		1	12/13/11	12/14/11 00:18	1014
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Tetrachloroethene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Toluene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	12/13/11	12/14/11 00:18	1014
1,2,4-Trichlorobenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,1,1-Trichloroethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,1,2-Trichloroethane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Trichloroethene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2,3-Trichloropropane	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,2,4-Trimethylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
1,3,5-Trimethylbenzene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
Vinyl Chloride	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
o-Xylene	ND	ug/L	0.50		1	12/13/11	12/14/11 00:18	1014
m,p-Xylenes	ND	ug/L	1.0		1	12/13/11	12/14/11 00:18	1014
tert-Butyl ethyl ether	ND	ug/L	5.0		1	12/13/11	12/14/11 00:18	1014
tert-Butyl alcohol	ND	ug/L	20		1	12/13/11	12/14/11 00:18	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 11120911
AECOM, Columbia, MD
December 16, 2011

Project Name: 7-11 Fallston
Project Location: Falston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd. Potable **Date/Time Sampled: 12/08/2011 09:30** **PSS Sample ID: 11120911-001**
Matrix: GROUND WATER **Date/Time Received: 12/09/2011 10:25**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2 — Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Amyl methyl ether	ND	ug/L	5.0		1	12/13/11	12/14/11 00:18	1014
tert-Amyl ethyl ether	ND	ug/L	5.0		1	12/13/11	12/14/11 00:18	1014
tert-Amyl alcohol	ND	ug/L	20		1	12/13/11	12/14/11 00:18	1014

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW-846 8015C — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	12/08/11	12/09/11 17:22	1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1)
CLIENT: AEcom OFFICE LOC. Columbia, MD
PROJECT MGR: John Canzeri PHONE NO.: (240) 565-6501
EMAIL: FAX NO.: ( )
PROJECT NAME: 7-11 Fallston PROJECT NO.: 60144763
SITE LOCATION: Fallston, MD P.O. NO.:
SAMPLERS: Nick Barrett

PSS Work Order #: 11120911 PAGE 1 OF 1

Matrix Codes:
SW=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2) (3)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: HCl / Analysis/Method Required: Full VOCs + oxy 8260	Preservatives Used: HCl / Analysis/Method Required: TPH-GRO										REMARKS
	2414 Pleasantville Rd Potable	12/8/11	9:30	GW	6	G	✓	✓										

(5)

Relinquished By:	Date	Time	Received By:
(1) [signature]	12/9/11	1025A	[signature]
(2)			
(3)			
(4)			

(4)
Requested Turnaround Time
☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required: AEcom EDD

Special Instructions:

# of Coolers: 1
Custody Seal: ABS
Ice Present: PRES **Temp:** 6°C
Shipping Carrier: CLIENT

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	11120911	**Received By**	Rachel Davis
Client Name	AECOM	**Date Received**	12/09/2011 10:25:00 AM
Project Name	7-11 Fallston	**Delivered By**	Client
Project Number	60144763	**Tracking No**	Not Applicable
Disposal Date	01/13/2012	**Logged In By**	Rachel Davis

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	6
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	Nick Barrett
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received	1	Total No. of Containers Received	6

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(ph<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Changed VOA from 8260 to 524.2 per client email.

Samples Inspected/Checklist Completed By: Rachel Davis — Date: 12/09/2011

Rachel Davis

PM Review and Approval: Amy Friedlander — Date: 12/09/2011

Amy Friedlander

Analytical Report for

AECOM

Certificate of Analysis No.: 11063003

Project Manager: John Canzeri

Project Name : 7-11 Fallston

Project Location: MD

Project ID : 601440763

July 8, 2011

Phase Separation Science, Inc.

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Baltimore, MD 21228
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PHASE SEPARATION SCIENCE, INC.

July 8, 2011

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order No: **11063003**
Project Name: 7-11 Fallston
Project Location: MD
Project ID.: 601440763

Dear John Canzeri :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **11063003**.

All work reported herein has been performed in accordance with current NELAP standards referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on August 4, 2011. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

John Richardson
Laboratory Director

Sample Summary

Client Name: AECOM

Project Name: 7-11 Fallston

Project ID: 601440763

Work Order Number: 11063003

The following samples were received under chain of custody by Phase Separation Science (PSS) on 06/30/2011 at 09:45 am

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
11063003-001	2414 Pleasentville	GROUND WATER	06/29/2011 12:40

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

B A target analyte or commone laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C Results Pending Final Confirmation.
E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J The target analyte was positively identified below the reporting limit but greater than the LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** An LOD is analyte and matrix specific.
ND Not Detected at or above the reporting limit.
RL PSS Reporting Limit.
U Not detected.

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Fallston

Project ID: 601440763 Work Order Number: 11063003

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Sample Receipt:

All sample receipt conditions were acceptable.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 11063003
AECOM, Columbia, MD
July 8, 2011

Project Name: 7-11 Fallston
Project Location: MD
Project ID: 601440763

Sample ID: 2414 Pleasentville **Date/Time Sampled: 06/29/2011 12:40** **PSS Sample ID: 11063003-001**
Matrix: GROUND WATER **Date/Time Received: 06/30/2011 09:45**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Bromobenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Bromochloromethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Bromodichloromethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Bromoform	ND	ug/L	5		1	07/01/11	07/01/11 13:52	1011
Bromomethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
tert-Butylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
sec-Butylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
n-Butylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Carbon Tetrachloride	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Chlorobenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Chloroethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Chloroform	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Chloromethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
2-Chlorotoluene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
4-Chlorotoluene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	5		1	07/01/11	07/01/11 13:52	1011
Dibromochloromethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2-Dibromoethane (EDB)	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Dibromomethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2-Dichlorobenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,3-Dichlorobenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,4-Dichlorobenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Dichlorodifluoromethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,1-Dichloroethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2-Dichloroethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
cis-1,2-Dichloroethene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
trans-1,2-Dichloroethene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,1-Dichloroethene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2-Dichloropropane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 11063003
AECOM, Columbia, MD
July 8, 2011

Project Name: 7-11 Fallston
Project Location: MD
Project ID: 601440763

Sample ID: 2414 Pleasentville **Date/Time Sampled: 06/29/2011 12:40** **PSS Sample ID: 11063003-001**
Matrix: GROUND WATER **Date/Time Received: 06/30/2011 09:45**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
2,2-Dichloropropane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,1-Dichloropropene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
cis-1,3-Dichloropropene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Ethylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Isopropylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
4-Isopropyltoluene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Methylene Chloride	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Methyl-t-butyl ether	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Naphthalene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
n-Propylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Styrene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Diisopropyl ether	ND	ug/L	5		1	07/01/11	07/01/11 13:52	1011
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Tetrachloroethene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Toluene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2,3-Trichlorobenzene	ND	ug/L	1		1	07/01/11	07/01/11 13:52	1011
1,2,4-Trichlorobenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,1,1-Trichloroethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,1,2-Trichloroethane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Trichloroethene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2,3-Trichloropropane	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,2,4-Trimethylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
1,3,5-Trimethylbenzene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
Vinyl Chloride	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
o-Xylene	ND	ug/L	0.5		1	07/01/11	07/01/11 13:52	1011
m,p-Xylenes	ND	ug/L	1		1	07/01/11	07/01/11 13:52	1011
tert-Butyl ethyl ether	ND	ug/L	5		1	07/01/11	07/01/11 13:52	1011
tert-Butyl alcohol	ND	ug/L	20		1	07/01/11	07/01/11 13:52	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 11063003

AECOM, Columbia, MD

July 8, 2011

Project Name: 7-11 Fallston
Project Location: MD
Project ID: 601440763

Sample ID: 2414 Pleasentville **Date/Time Sampled: 06/29/2011 12:40** **PSS Sample ID: 11063003-001**
Matrix: GROUND WATER **Date/Time Received: 06/30/2011 09:45**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2 — Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Amyl methyl ether	ND	ug/L	5		1	07/01/11	07/01/11 13:52	1011
tert-Amyl ethyl ether	ND	ug/L	5		1	07/01/11	07/01/11 13:52	1011
tert-Amyl alcohol	ND	ug/L	20		1	07/01/11	07/01/11 13:52	1011

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW-846 8015C — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	06/30/11	07/01/11 00:07	1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1) CLIENT: AECOM | OFFICE LOC.: Columbia, MD | PSS Work Order #: 1106 3003 | PAGE 1 OF 1

PROJECT MGR: J Conzeri | PHONE NO.: (410) 884 9280

EMAIL: | FAX NO.: ( )

PROJECT NAME: 741 Fallston | PROJECT NO.: 60144076.03

SITE LOCATION: MD | P.O. NO.:

SAMPLERS: Nick Barnett

Matrix Codes: **SW**=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: HCl HCl	(3) Analysis/ Method Required: Full VOC 524.2 + OXY	TPH-GRO	REMARKS
1	2484 Pleasantville	6/29/11	1240	GW	6	G		✓	✓	

(5)

Relinquished By: (1)	Date	Time	Received By:
[signature]	6/30	945	[signature]
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Requested Turnaround Time

☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required: AECOM EDD

# of Coolers: 1

Custody Seal: ABS

Ice Present: PRES Temp: 6°

Shipping Carrier: CLIENT

Special Instructions:

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Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	11063003	**Received By**	Sara Dorr
Client Name	AECOM	**Date Received**	06/30/2011 09:45:00 AM
Project Name	7-11 Fallston	**Delivered By**	Client
Project Number	601440763	**Tracking No**	Not Applicable
Disposal Date	08/04/2011	**Logged In By**	Sara Dorr

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	6
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	Nick Barrett
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received	1	Total No. of Containers Received	6

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(ph<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Sara Dorr — Date: 06/30/2011

PM Review and Approval: Lynn Moran — Date: 06/30/2011

Analytical Report for

AECOM

Certificate of Analysis No.: 12060602

Project Manager: John Canzeri
Project Name : 7-11 Fallston 22281
Project Location: Fallston, MD
Project ID : 60144763

June 13, 2012

Phase Separation Science, Inc.
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PHASE SEPARATION SCIENCE, INC.

June 13, 2012

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order No: **12060602**
Project Name: 7-11 Fallston 22281
Project Location: Fallston, MD
Project ID.: 60144763

Dear John Canzeri :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order numbered **12060602**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on July 11, 2012. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Dan Prucnal
Laboratory Manager

Sample Summary

Client Name: AECOM

Project Name: 7-11 Fallston 22281

Project ID: 60144763

Work Order Number: 12060602

The following samples were received under chain of custody by Phase Separation Science (PSS) on 06/06/2012 at 08:15 am

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
12060602-001	2414 Pleasantville Rd. Potable	GROUND WATER	06/05/2012 10:30

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of common laboratory contaminants such as acetone, methylene chloride and phthalates, may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].

Standard Flags/Abbreviations:

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C Results Pending Final Confirmation.
E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J The target analyte was positively identified below the reporting limit but greater than the LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** An LOD is analyte and matrix specific.
ND Not Detected at or above the reporting limit.
RL PSS Reporting Limit.
U Not detected.

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Fallston 22281

Project ID: 60144763 Work Order Number: 12060602

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Sample Receipt:

All sample receipt conditions were acceptable.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 12060602
AECOM, Columbia, MD
June 13, 2012

Project Name: 7-11 Fallston 22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd. Potable **Date/Time Sampled: 06/05/2012 10:30** **PSS Sample ID: 12060602-001**
Matrix: GROUND WATER **Date/Time Received: 06/06/2012 08:15**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Bromobenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Bromochloromethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Bromodichloromethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Bromoform	ND	ug/L	5		1	06/07/12	06/08/12 16:05	1014
Bromomethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
tert-Butylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
sec-Butylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
n-Butylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Carbon Tetrachloride	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Chlorobenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Chloroethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Chloroform	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Chloromethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
2-Chlorotoluene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
4-Chlorotoluene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2-Dibromo-3-Chloropropane	ND	ug/L	5		1	06/07/12	06/08/12 16:05	1014
Dibromochloromethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2-Dibromoethane (EDB)	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Dibromomethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2-Dichlorobenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,3-Dichlorobenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,4-Dichlorobenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Dichlorodifluoromethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,1-Dichloroethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2-Dichloroethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
cis-1,2-Dichloroethene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
trans-1,2-Dichloroethene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,1-Dichloroethene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2-Dichloropropane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 12060602
AECOM, Columbia, MD
June 13, 2012

Project Name: 7-11 Fallston 22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd. Potable **Date/Time Sampled: 06/05/2012 10:30** **PSS Sample ID: 12060602-001**
Matrix: GROUND WATER **Date/Time Received: 06/06/2012 08:15**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
2,2-Dichloropropane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,1-Dichloropropene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
cis-1,3-Dichloropropene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Ethylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Isopropylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
4-Isopropyltoluene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Methylene Chloride	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Methyl-t-butyl ether	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Naphthalene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
n-Propylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Styrene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Diisopropyl ether	ND	ug/L	5		1	06/07/12	06/08/12 16:05	1014
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Tetrachloroethene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Toluene	**11**	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2,3-Trichlorobenzene	ND	ug/L	1		1	06/07/12	06/08/12 16:05	1014
1,2,4-Trichlorobenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,1,1-Trichloroethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,1,2-Trichloroethane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Trichloroethene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2,3-Trichloropropane	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,2,4-Trimethylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
1,3,5-Trimethylbenzene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
Vinyl Chloride	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
o-Xylene	ND	ug/L	0.5		1	06/07/12	06/08/12 16:05	1014
m,p-Xylenes	ND	ug/L	1		1	06/07/12	06/08/12 16:05	1014
tert-Butyl ethyl ether	ND	ug/L	5		1	06/07/12	06/08/12 16:05	1014
tert-Butyl alcohol	ND	ug/L	20		1	06/07/12	06/08/12 16:05	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 12060602

AECOM, Columbia, MD

June 13, 2012

Project Name: 7-11 Fallston 22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd. Potable **Date/Time Sampled: 06/05/2012 10:30** **PSS Sample ID: 12060602-001**
Matrix: GROUND WATER **Date/Time Received: 06/06/2012 08:15**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2 — Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Amyl methyl ether	ND	ug/L	5		1	06/07/12	06/08/12 16:05	1014
tert-Amyl ethyl ether	ND	ug/L	5		1	06/07/12	06/08/12 16:05	1014
tert-Amyl alcohol	ND	ug/L	20		1	06/07/12	06/08/12 16:05	1014

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW-846 8015C — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	06/06/12	06/06/12 15:53	1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

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email: info@phaseonline.com

(1) CLIENT: AECOM | OFFICE LOC.: Columbia, MD | PSS Work Order #: 120600602 | PAGE 1 OF 1

PROJECT MGR: John Canzeri | PHONE NO.: (240) 565-6501

EMAIL: | FAX NO.: ( )

PROJECT NAME: 7-11 Fallston 22281 | PROJECT NO.: 60144763

SITE LOCATION: Fallston, MD | P.O. NO.:

SAMPLERS: Nick Barrett

Matrix Codes: **SW**=Surface Wtr **DW**=Drinking Wrt **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **WL**=Waste Liquid **WS**=Waste Solid **W**= Wipe

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: HCl, HCl	(3) Analysis/ Method Required: 524.2 +oxy	TPH-GRO 8015	REMARKS
	2414 Pleasantville Rd Fallston	6/5/12	10:30	GW	6	G		✓	✓	

(5)

Relinquished By: (1)	Date	Time	Received By:
	6/10/12	815A	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Requested Turnaround Time

☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required: AECOM EDD

# of Coolers: 1

Custody Seal: ABS

Ice Present: PRES Temp: 4°C

Shipping Carrier: CLIENT

Special Instructions:

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Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	12060602	**Received By**	Rachel Davis
Client Name	AECOM	**Date Received**	06/06/2012 08:15:00 AM
Project Name	7-11 Fallston 22281	**Delivered By**	Client
Project Number	60144763	**Tracking No**	Not Applicable
Disposal Date	07/11/2012	**Logged In By**	Rachel Davis

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	4
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	Nick Barrett
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received	1	Total No. of Containers Received	6

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(ph<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Rachel Davis — Date: 06/06/2012

Rachel Davis

PM Review and Approval: Amy Friedlander — Date: 06/06/2012

Amy Friedlander

Analytical Report for

AECOM

Certificate of Analysis No.: 12120714

Project Manager: John Canzeri
Project Name : 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID : 60144763

December 14, 2012

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770
Fax: (410) 788-8723

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800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.

December 14, 2012

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order(s) No: **12120714**
Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID.: 60144763

Dear John Canzeri :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order(s) numbered **12120714**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on January 11, 2013. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

Sample Summary

Client Name: AECOM

Project Name: 7-11 Fallston #22281

Work Order Number(s): 12120714

Project ID: 60144763

The following samples were received under chain of custody by Phase Separation Science (PSS) on 12/07/2012 at 12:30 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
12120714-001	2414 Pleasantville Rd Potable	GROUND WATER	12/06/12 14:40

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. The analyses of chlorine, pH, dissolved oxygen, temperature and sulfite for non-potable water samples tested for compliance for Virginia Pollution Discharge Elimination System (VDPES) permits and Virginia Pollutant Abatement (VPA) permits, have a maximum holding time of 15 minutes established by 40CFR136.3.

Standard Flags/Abbreviations:

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C Results Pending Final Confirmation.
E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J The target analyte was positively identified below the reporting limit but greater than the LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** An LOD is analyte and matrix specific.
ND Not Detected at or above the reporting limit.
RL PSS Reporting Limit.
U Not detected.

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Fallston #22281

Work Order Number(s): 12120714
Project ID: 60144763

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Sample Receipt:

All sample receipt conditions were acceptable.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 12120714
AECOM, Columbia, MD
December 14, 2012

Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd Potable **Date/Time Sampled: 12/06/2012 14:40** **PSS Sample ID: 12120714-001**
Matrix: GROUND WATER **Date/Time Received: 12/07/2012 12:30**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Bromobenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Bromochloromethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Bromodichloromethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Bromoform	ND	ug/L	5.0		1	12/11/12	12/11/12 14:03	1014
Bromomethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
tert-Butylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
sec-Butylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
n-Butylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Carbon Tetrachloride	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Chlorobenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Chloroethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Chloroform	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Chloromethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
2-Chlorotoluene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
4-Chlorotoluene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2-Dibromo-3-Chloropropane	ND	ug/L	5.0		1	12/11/12	12/11/12 14:03	1014
Dibromochloromethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2-Dibromoethane (EDB)	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Dibromomethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2-Dichlorobenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,3-Dichlorobenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,4-Dichlorobenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Dichlorodifluoromethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,1-Dichloroethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2-Dichloroethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
cis-1,2-Dichloroethene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
trans-1,2-Dichloroethene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,1-Dichloroethene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2-Dichloropropane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 12120714
AECOM, Columbia, MD
December 14, 2012

Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd Potable **Date/Time Sampled: 12/06/2012 14:40** **PSS Sample ID: 12120714-001**
Matrix: GROUND WATER **Date/Time Received: 12/07/2012 12:30**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
2,2-Dichloropropane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,1-Dichloropropene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
cis-1,3-Dichloropropene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Ethylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Isopropylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
4-Isopropyltoluene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Methylene Chloride	ND	ug/L	5.0		1	12/11/12	12/11/12 14:03	1014
Methyl-t-butyl ether	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Naphthalene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
n-Propylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Styrene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Diisopropyl ether	ND	ug/L	5.0		1	12/11/12	12/11/12 14:03	1014
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Tetrachloroethene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Toluene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	12/11/12	12/11/12 14:03	1014
1,2,4-Trichlorobenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,1,1-Trichloroethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,1,2-Trichloroethane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Trichloroethene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2,3-Trichloropropane	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,2,4-Trimethylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
1,3,5-Trimethylbenzene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
Vinyl Chloride	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
o-Xylene	ND	ug/L	0.50		1	12/11/12	12/11/12 14:03	1014
m,p-Xylenes	ND	ug/L	1.0		1	12/11/12	12/11/12 14:03	1014
tert-Butyl ethyl ether	ND	ug/L	5.0		1	12/11/12	12/11/12 14:03	1014
tert-Butyl alcohol	ND	ug/L	20		1	12/11/12	12/11/12 14:03	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 12120714

AECOM, Columbia, MD

December 14, 2012

Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd Potable **Date/Time Sampled: 12/06/2012 14:40** **PSS Sample ID: 12120714-001**
Matrix: GROUND WATER **Date/Time Received: 12/07/2012 12:30**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2 — Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Amyl methyl ether	ND	ug/L	5.0		1	12/11/12	12/11/12 14:03	1014
tert-Amyl ethyl ether	ND	ug/L	5.0		1	12/11/12	12/11/12 14:03	1014
tert-Amyl alcohol	ND	ug/L	20		1	12/11/12	12/11/12 14:03	1014

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW-846 8015C — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	12/08/12	12/08/12 16:06	1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

① *CLIENT: AEcom *OFFICE LOC. Columbia, MD
*PROJECT MGR: John Canzeri *PHONE NO.: (240 565-6301
EMAIL: FAX NO.: ( )
*PROJECT NAME: 7-11 Fallston #22281 PROJECT NO.: 60144763
SITE LOCATION: Fallston, MD P.O. NO.:
SAMPLER(S): Nick Barreya DW CERT NO.:

PSS Work Order #: 12120714 PAGE 1 OF 1

Matrix Codes:
SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil L=Liquid SOL=Solid A=Air WI=Wipe

② ③

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used: HCl / Analysis/Method Required: 524.2+Oxy	Preservatives Used: HCl / Analysis/Method Required: TPH-GRO	REMARKS
	2414 Pleasentville RD Potable	12/6/12	14:40	GW	6	G	✓	✓	

⑤

Relinquished By:	Date	Time	Received By:
(1) [signature]	12/7/12	1230	[signature]
(2)			
(3)			
(4)			

④ *Requested TAT (One TAT per COC)
☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:
COA ☑ QC SUMM ☐ CLP LIKE ☐ OTHER ____

# of Coolers: 1
Custody Seal: ABS
Ice Present: YES Temp: 3°C
Shipping Carrier: CLIENT

Special Instructions:

DW COMPLIANCE? YES ☐
EDD FORMAT TYPE: AEcom
STATE RESULTS REPORTED TO: MD ☑ DE ☐ PA ☐ VA ☐ WV ☐ OTHER ____

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Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	12120714	**Received By**	Rachel Davis
Client Name	AECOM	**Date Received**	12/07/2012 12:30:00 PM
Project Name	7-11 Fallston #22281	**Delivered By**	Client
Project Number	60144763	**Tracking No**	Not Applicable
Disposal Date	01/11/2013	**Logged In By**	Rachel Davis

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	3
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	Nick Barrett
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received	1	Total No. of Containers Received	6

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(ph<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Rachel Davis — Date: 12/07/2012

Rachel Davis

PM Review and Approval: Amy Friedlander — Date: 12/08/2012

Amy Friedlander

Analytical Report for

AECOM

Certificate of Analysis No.: 13060621

Project Manager: John Canzeri
Project Name : 7-11 Store #22281
Project Location: Fallston, MD
Project ID : 60144763

June 14, 2013

Phase Separation Science, Inc.
6630 Baltimore National Pike
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PHASE SEPARATION SCIENCE, INC.

June 14, 2013

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order(s) No: **13060621**
Project Name: 7-11 Store #22281
Project Location: Fallston, MD
Project ID.: 60144763

Dear John Canzeri :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order(s) numbered **13060621**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on July 11, 2013. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Dan Prucnal
Laboratory Manager

Sample Summary

Client Name: AECOM

Project Name: 7-11 Store #22281

Work Order Number(s): 13060621

Project ID: 60144763

The following samples were received under chain of custody by Phase Separation Science (PSS) on 06/06/2013 at 05:20 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
13060621-001	2414 Pleasantville Rd Potable	DRINKING WATER	06/06/13 16:15

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. The analyses of chlorine, pH, dissolved oxygen, temperature and sulfite for non-potable water samples tested for compliance for Virginia Pollution Discharge Elimination System (VDPES) permits and Virginia Pollutant Abatement (VPA) permits, have a maximum holding time of 15 minutes established by 40CFR136.3.

Standard Flags/Abbreviations:

- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- C Results Pending Final Confirmation.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
- J The target analyte was positively identified below the reporting limit but greater than the LOD.
- LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** An LOD is analyte and matrix specific.
- ND Not Detected at or above the reporting limit.
- RL PSS Reporting Limit.
- U Not detected.

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Store #22281

Work Order Number(s): 13060621
Project ID: 60144763

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Sample Receipt:

All sample receipt conditions were acceptable.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 13060621
AECOM, Columbia, MD
June 14, 2013

Project Name: 7-11 Store #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd Potable **Date/Time Sampled: 06/06/2013 16:15** **PSS Sample ID: 13060621-001**
Matrix: DRINKING WATER **Date/Time Received: 06/06/2013 17:20**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Bromobenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Bromochloromethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Bromodichloromethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Bromoform	ND	ug/L	5.0		1	06/10/13	06/10/13 13:27	1014
Bromomethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
tert-Butylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
sec-Butylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
n-Butylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Carbon Tetrachloride	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Chlorobenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Chloroethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Chloroform	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Chloromethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
2-Chlorotoluene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
4-Chlorotoluene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2-Dibromo-3-Chloropropane	ND	ug/L	5.0		1	06/10/13	06/10/13 13:27	1014
Dibromochloromethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2-Dibromoethane (EDB)	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Dibromomethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2-Dichlorobenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,3-Dichlorobenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,4-Dichlorobenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Dichlorodifluoromethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,1-Dichloroethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2-Dichloroethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
cis-1,2-Dichloroethene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
trans-1,2-Dichloroethene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,1-Dichloroethene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2-Dichloropropane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 13060621
AECOM, Columbia, MD
June 14, 2013

Project Name: 7-11 Store #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd Potable **Date/Time Sampled: 06/06/2013 16:15** **PSS Sample ID: 13060621-001**
Matrix: DRINKING WATER **Date/Time Received: 06/06/2013 17:20**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
2,2-Dichloropropane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,1-Dichloropropene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
cis-1,3-Dichloropropene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
trans-1,3-Dichloropropene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Ethylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Hexachlorobutadiene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Isopropylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
4-Isopropyltoluene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Methylene Chloride	ND	ug/L	5.0		1	06/10/13	06/10/13 13:27	1014
Methyl-t-butyl ether	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Naphthalene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
n-Propylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Styrene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Diisopropyl ether	ND	ug/L	5.0		1	06/10/13	06/10/13 13:27	1014
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Tetrachloroethene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Toluene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	06/10/13	06/10/13 13:27	1014
1,2,4-Trichlorobenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,1,1-Trichloroethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,1,2-Trichloroethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Trichloroethene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Trichlorofluoromethane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2,3-Trichloropropane	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,2,4-Trimethylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
1,3,5-Trimethylbenzene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
Vinyl Chloride	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014
o-Xylene	ND	ug/L	0.50		1	06/10/13	06/10/13 13:27	1014

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 13060621
AECOM, Columbia, MD
June 14, 2013

Project Name: 7-11 Store #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd Potable **Date/Time Sampled: 06/06/2013 16:15** **PSS Sample ID: 13060621-001**
Matrix: DRINKING WATER **Date/Time Received: 06/06/2013 17:20**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2 — Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
m,p-Xylenes	ND	ug/L	1.0		1	06/10/13	06/10/13 13:27	1014
tert-Butyl ethyl ether	ND	ug/L	5.0		1	06/10/13	06/10/13 13:27	1014
tert-Butyl alcohol	ND	ug/L	20		1	06/10/13	06/10/13 13:27	1014
tert-Amyl methyl ether	ND	ug/L	5.0		1	06/10/13	06/10/13 13:27	1014
tert-Amyl ethyl ether	ND	ug/L	5.0		1	06/10/13	06/10/13 13:27	1014
tert-Amyl alcohol	ND	ug/L	20		1	06/10/13	06/10/13 13:27	1014

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW-846 8015C — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	06/07/13	06/07/13 23:13	1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

① *CLIENT: AECOM *OFFICE LOC. Columbia, MD

*PROJECT MGR: John Cimzler *PHONE NO.: (241) 565-6501

EMAIL: FAX NO.: ( )

*PROJECT NAME: 721 Fallston 22281 PROJECT NO.: 60144763

SITE LOCATION: Fallston, MD P.O. NO.: 45814ACM

SAMPLER(S): Nick Barnes DW CERT NO.:

PSS Work Order #: 1306062l PAGE 1 OF 1

Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil L=Liquid SOL=Solid A=Air WI=Wipe

Preservatives Used: | Na | HCl

Analysis/Method Required ③ *: 524.2 + oxy | TPH - GRO

② LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	524.2 + oxy	TPH - GRO											REMARKS
	2414 Pleasantville Rd Potable	06/6/13	16:15	DW	6	G	✓	✓											

⑤	Date	Time	Received By:
Relinquished By: (1) [signature]	6/6/13	5:20	D Pruccnal
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

④ *Requested TAT (One TAT per COC)
☑ 5-Day ☐ 3-Day ☐ 2-Day
☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required:
COA ☑ QC-SUMM ☐ CLP LIKE ☐ OTHER ____

\# of Coolers: 1
Custody Seal: ABS
Ice Present: Present Temp: 4°C
Shipping Carrier: Client

Special Instructions:

DW COMPLIANCE? YES ☐

EDD FORMAT TYPE: AECOM

STATE RESULTS REPORTED TO: MD ☑ DE ☐ PA ☐ VA ☐ WV ☐ OTHER ____

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Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	13060621	**Received By**	Jacob Prucnal
Client Name	AECOM	**Date Received**	06/06/2013 05:20:00 PM
Project Name	7-11 Store #22281	**Delivered By**	Client
Project Number	60144763	**Tracking No**	Not Applicable
Disposal Date	07/11/2013	**Logged In By**	Rachel Davis

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	4
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	Nick Barrett
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received	1	Total No. of Containers Received	6

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(ph<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Rachel Davis — Date: 06/07/2013

Rachel Davis

PM Review and Approval: Amy Friedlander — Date: 06/07/2013

Amy Friedlander

Analytical Report for

AECOM

Certificate of Analysis No.: 13121830

Project Manager: John Canzeri
Project Name : 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID : 60144763

December 27, 2013

Phase Separation Science, Inc.
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PHASE SEPARATION SCIENCE, INC.

December 27, 2013

John Canzeri
AECOM
8320 Guilford Road, Ste. L
Columbia, MD 21046

Reference: PSS Work Order(s) No: **13121830**
Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID.: 60144763

Dear John Canzeri :

This report includes the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Phase Separation Science (PSS) Work Order(s) numbered **13121830**.

All work reported herein has been performed in accordance with current NELAP standards, referenced methodologies, PSS Standard Operating Procedures and the PSS Quality Assurance Manual unless otherwise noted in the Case Narrative Summary. PSS is limited in liability to the actual cost of the sample analysis done.

PSS reserves the right to return any unused samples, extracts or related solutions. Otherwise, the samples are scheduled for disposal, without any further notice, on January 22, 2014. This includes any samples that were received with a request to be held but lacked a specific hold period. It is your responsibility to provide a written request defining a specific disposal date if additional storage is required. Upon receipt , the request will be acknowledged by PSS, thus extending the storage period.

This report shall not be reproduced except in full, without the written approval of an authorized PSS representative. A copy of this report will be retained by PSS for at least 5 years, after which time it will be disposed of without further notice, unless prior arrangements have been made.

We thank you for selecting Phase Separation Science, Inc. to serve your analytical needs. If you have any questions concerning this report, do not hesitate to contact us at 410-747-8770 or info@phaseonline.com.

Sincerely,

Cathy Thompson
QA Officer

Sample Summary

Client Name: AECOM

Project Name: 7-11 Fallston #22281

Work Order Number(s): 13121830

Project ID: 60144763

The following samples were received under chain of custody by Phase Separation Science (PSS) on 12/18/2013 at 03:52 pm

Lab Sample Id	Sample Id	Matrix	Date/Time Collected
13121830-001	2414 Pleasantville Rd	GROUND WATER	12/18/13 14:55

Please reference the Chain of Custody and Sample Receipt Checklist for specific container counts and preservatives. Any sample conditions not in compliance with sample acceptance criteria are described in Case Narrative Summary.

Notes:

1. The presence of a common laboratory contaminant such as methylene chloride may be considered a possible laboratory artifact. Where observed, appropriate consideration of data should be taken.
2. The following analytical results are never reported on a dry weight basis: pH, flashpoint, moisture and paint filter test.
3. Drinking water samples collected for the purpose of compliance with SDWA may not be suitable for their intended use unless collected by a certified sampler [COMAR 26.08.05.07.C.2].
4. The analyses of 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by EPA 524.2 and calcium, magnesium, sodium and iron by EPA 200.8 are not currently promulgated for use in testing to meet the Safe Drinking Water Act and as such cannot be used for compliance purposes. The listings of the current promulgated methods for testing in compliance with the Safe Drinking Water Act can be found in the 40 CFR part 141.1, for the primary drinking water contaminates, and part 141.3, for the secondary drinking water contaminates.
5. The analyses of chlorine, pH, dissolved oxygen, temperature and sulfite for non-potable water samples tested for compliance for Virginia Pollution Discharge Elimination System (VDPES) permits and Virginia Pollutant Abatement (VPA) permits, have a maximum holding time of 15 minutes established by 40CFR136.3.
6. Sample prepared under EPA 3550C with concentrations greater than 20 mg/Kg should employ the microtip extraction procedure if required to meet data quality objectives.

Standard Flags/Abbreviations:

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
C Results Pending Final Confirmation.
E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
Fail The result exceeds the regulatory level for Toxicity Characteristic (TCLP) as cited in 40 CFR 261.24 Table 1.
J The target analyte was positively identified below the reporting limit but greater than the LOD.
LOD Limit of Detection. An estimate of the minimum amount of a substance that an analytical process can reliably detect**.** An LOD is analyte and matrix specific.
ND Not Detected at or above the reporting limit.
RL PSS Reporting Limit.
U Not detected.

Certifications:

NELAP Certifications: PA 68-03330, VA 2200
State Certifications: MD 179, WV 303
Regulated Soil Permit: P330-12-00268
NSWC USCG Accepted Laboratory
LDBA MWAA LD1997-0041-2015

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 13121830

AECOM, Columbia, MD

December 27, 2013

Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd **Date/Time Sampled: 12/18/2013 14:55** **PSS Sample ID: 13121830-001**
Matrix: GROUND WATER **Date/Time Received: 12/18/2013 15:52**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
Benzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Bromobenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Bromochloromethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Bromodichloromethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Bromoform	ND	ug/L	5.0		1	12/20/13	12/20/13 17:32	1011
Bromomethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
tert-Butylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
sec-Butylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
n-Butylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Carbon Tetrachloride	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Chlorobenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Chloroethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Chloroform	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Chloromethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
2-Chlorotoluene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
4-Chlorotoluene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2-Dibromo-3-Chloropropane	ND	ug/L	5.0		1	12/20/13	12/20/13 17:32	1011
Dibromochloromethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2-Dibromoethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Dibromomethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2-Dichlorobenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,3-Dichlorobenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,4-Dichlorobenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Dichlorodifluoromethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,1-Dichloroethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2-Dichloroethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
cis-1,2-Dichloroethene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
trans-1,2-Dichloroethene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,1-Dichloroethene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2-Dichloropropane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011

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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 13121830
AECOM, Columbia, MD
December 27, 2013

Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd **Date/Time Sampled: 12/18/2013 14:55** **PSS Sample ID: 13121830-001**
Matrix: GROUND WATER **Date/Time Received: 12/18/2013 15:52**

VOC In Drinking Water plus Oxygenates Analytical Method: EPA 524.2 Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
2,2-Dichloropropane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,1-Dichloropropene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
cis-1,3-Dichloropropene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Ethylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Isopropylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
4-Isopropyltoluene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Methylene Chloride	ND	ug/L	5.0		1	12/20/13	12/20/13 17:32	1011
Methyl-t-butyl ether	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Naphthalene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
n-Propylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Styrene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Diisopropyl ether	ND	ug/L	5.0		1	12/20/13	12/20/13 17:32	1011
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Tetrachloroethylene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Toluene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2,3-Trichlorobenzene	ND	ug/L	1.0		1	12/20/13	12/20/13 17:32	1011
1,2,4-Trichlorobenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,1,1-Trichloroethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,1,2-Trichloroethane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Trichloroethene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2,3-Trichloropropane	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,2,4-Trimethylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
1,3,5-Trimethylbenzene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
Vinyl Chloride	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
o-Xylene	ND	ug/L	0.50		1	12/20/13	12/20/13 17:32	1011
m,p-Xylenes	ND	ug/L	1.0		1	12/20/13	12/20/13 17:32	1011
tert-Butyl ethyl ether	ND	ug/L	5.0		1	12/20/13	12/20/13 17:32	1011
tert-Butyl alcohol	ND	ug/L	20		1	12/20/13	12/20/13 17:32	1011

OFFICES:
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ROUTE 40 WEST
BALTIMORE, MD 21228
410-747-8770
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PHASE SEPARATION SCIENCE, INC.

CERTIFICATE OF ANALYSIS

No: 13121830
AECOM, Columbia, MD
December 27, 2013

Project Name: 7-11 Fallston #22281
Project Location: Fallston, MD
Project ID: 60144763

Sample ID: 2414 Pleasantville Rd **Date/Time Sampled: 12/18/2013 14:55** **PSS Sample ID: 13121830-001**
Matrix: GROUND WATER **Date/Time Received: 12/18/2013 15:52**

VOC In Drinking Water plus Oxygenates — Analytical Method: EPA 524.2 — Preparation Method: 524.2

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
tert-Amyl methyl ether	ND	ug/L	5.0		1	12/20/13	12/20/13 17:32	1011

Total Petroleum Hydrocarbons-GRO — Analytical Method: SW-846 8015C — Preparation Method: 5030B

	Result	Units	RL	Flag	Dil	Prepared	Analyzed	Analyst
TPH-GRO (Gasoline Range Organics)	ND	ug/L	100		1	12/20/13	12/20/13 18:06	1035

Case Narrative Summary

Client Name: AECOM

Project Name: 7-11 Fallston #22281

Work Order Number(s): 13121830
Project ID: 60144763

Any holding time exceedances, deviations from the method specifications, regulatory requirements or variations to the procedures outlined in the PSS Quality Assurance Manual are outlined below.

Sample Receipt:

All sample receipt conditions were acceptable.

Analytical:

VOC In Drinking Water plus Oxygenates

Batch: 110828

Laboratory control sample and/or laboratory control sample duplicate (LCS/LCSD) exceedances identified; see LCS summary form.

NELAP accreditation was held for all analyses performed unless noted below. See www.phaseonline.com for complete PSS scope of accreditation.

Analytical Data Package Information Summary

Work Order(s): 13121830
Report Prepared For: AECOM, Columbia, MD
Project Name: 7 Eleven - gen'l
Project Manager: John Canzeri

Method	Client Sample Id	Analysis Type	Lab Sample Id	Analyst	Mtx	Prep Batch	Analytical Batch	Sampled	Prepared	Analyzed
EPA 524.2	2414 Pleasantville Rd	Initial	13121830-001	1011	W	48619	110828	12/18/2013	12/20/2013 13:00	12/20/2013 17:32
	48619-1-BKS	BKS	48619-1-BKS	1011	W	48619	110828	--------	12/20/2013 13:00	12/20/2013 13:34
	48619-1-BLK	BLK	48619-1-BLK	1011	W	48619	110828	--------	12/20/2013 13:00	12/20/2013 15:18
	48619-1-BSD	BSD	48619-1-BSD	1011	W	48619	110828	--------	12/20/2013 13:00	12/20/2013 12:54
SW-846 8015C	2414 Pleasantville Rd	Initial	13121830-001	1035	W	48642	110854	12/18/2013	12/20/2013 09:29	12/20/2013 18:06
	48642-2-BKS	BKS	48642-2-BKS	1035	W	48642	110854	--------	12/20/2013 09:29	12/20/2013 11:46
	48642-2-BLK	BLK	48642-2-BLK	1035	W	48642	110854	--------	12/20/2013 09:29	12/20/2013 10:56
	MW10 S	MS	13121703-010 S	1035	W	48642	110854	12/16/2013	12/20/2013 09:29	12/20/2013 18:32
	MW10 SD	MSD	13121703-010 SD	1035	W	48642	110854	12/16/2013	12/20/2013 09:29	12/20/2013 18:57

Form 2 - Surrogate Recoveries

Project Name: 7-11 Fallston #22281

12/27/2013

Work Order #: 13121830 **Project ID:** 60144763

Lab Batch #: 110828 **Sample:** 48619-1-BSD / BSD **Matrix:** Water

Units: ug/L **Date Analyzed:** 12/20/2013 12:54

VOC In Drinking Water plus Oxygenates Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
4-Bromofluorobenzene	9.88	10.00	99	83-115	
Dibromofluoromethane	9.61	10.00	96	89-106	
Toluene-D8	10.1	10.00	101	94-109	

Lab Batch #: 110828 **Sample:** 48619-1-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 12/20/2013 13:34

VOC In Drinking Water plus Oxygenates Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
4-Bromofluorobenzene	10.1	10.00	101	83-115	
Dibromofluoromethane	9.32	10.00	93	89-106	
Toluene-D8	10.1	10.00	101	94-109	

Lab Batch #: 110828 **Sample:** 48619-1-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 12/20/2013 15:18

VOC In Drinking Water plus Oxygenates Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
4-Bromofluorobenzene	9.70	10.00	97	83-115	
Dibromofluoromethane	10.0	10.00	100	89-106	
Toluene-D8	10.3	10.00	103	94-109	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
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Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: 7-11 Fallston #22281

12/27/2013

Work Order #: 13121830 **Project ID:** 60144763

Lab Batch #: 110828 **Sample:** 13121830-001 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 12/20/2013 17:32

VOC In Drinking Water plus Oxygenates Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
4-Bromofluorobenzene	10.0	10.00	101	83-115	
Dibromofluoromethane	9.90	10.00	99	89-106	
Toluene-D8	10.0	10.00	105	94-109	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: 7-11 Fallston #22281

12/27/2013

Work Order #: 13121830 **Project ID:** 60144763

Lab Batch #: 110854 **Sample:** 48642-2-BLK / BLK **Matrix:** Water

Units: ug/L **Date Analyzed:** 12/20/2013 10:56

Total Petroleum Hydrocarbons-GRO Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	96.4	100	96	65-111	

Lab Batch #: 110854 **Sample:** 48642-2-BKS / BKS **Matrix:** Water

Units: ug/L **Date Analyzed:** 12/20/2013 11:46

Total Petroleum Hydrocarbons-GRO Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	106	100	106	65-111	

Lab Batch #: 110854 **Sample:** 13121830-001 / SMP **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 12/20/2013 18:06

Total Petroleum Hydrocarbons-GRO Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	99.0	100	99	65-111	

Lab Batch #: 110854 **Sample:** 13121703-010 S / MS **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 12/20/2013 18:32

Total Petroleum Hydrocarbons-GRO Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	104	100	104	65-111	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

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Baltimore, MD 21228

Form 2 - Surrogate Recoveries

Project Name: 7-11 Fallston #22281

12/27/2013

Work Order #: 13121830 **Project ID:** 60144763

Lab Batch #: 110854 **Sample:** 13121703-010 SD / MSD **Matrix:** Ground Water

Units: ug/L **Date Analyzed:** 12/20/2013 18:57

	SURROGATE RECOVERY STUDY				
Total Petroleum Hydrocarbons-GRO **Analytes**	**Amount Found [A]**	**True Amount [B]**	**Recovery %R [C]**	**Control Limits %R**	**Flags**
a,a,a-Trifluorotoluene	103	100	103	65-111	

* Surrogate outside of Laboratory QC limits

Surrogate Recovery [C] = 100 * A / B

Phase Separation Science, Inc.
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Baltimore, MD 21228

Blank Summary 13121830

AECOM, Columbia, MD

7-11 Fallston #22281

Analytical Method: **EPA 524.2** Prep Method: E524.2PREP
Matrix: **WATER**

Sample Id: **48619-1-BLK** Lab Sample Id: **48619-1-BLK**

Date Analyzed: Dec-20-13 15:18 Analyst: 1011 Date Prep: Dec-20-13 13:00 Tech: 1011
Seq Number: 110828

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Benzene	71-43-2	ND	0.5000	0.5000	ug/L	U	1
Bromobenzene	108-86-1	ND	0.5000	0.5000	ug/L	U	1
Bromochloromethane	74-97-5	ND	0.5000	0.5000	ug/L	U	1
Bromodichloromethane	75-27-4	ND	0.5000	0.5000	ug/L	U	1
Bromoform	75-25-2	ND	5.000	5.000	ug/L	U	1
Bromomethane	74-83-9	ND	0.5000	0.5000	ug/L	U	1
tert-Butylbenzene	98-06-6	ND	0.5000	0.5000	ug/L	U	1
sec-Butylbenzene	135-98-8	ND	0.5000	0.5000	ug/L	U	1
n-Butylbenzene	104-51-8	ND	0.5000	0.5000	ug/L	U	1
Carbon Tetrachloride	56-23-5	ND	0.5000	0.5000	ug/L	U	1
Chlorobenzene	108-90-7	ND	0.5000	0.5000	ug/L	U	1
Chloroethane	75-00-3	ND	0.5000	0.5000	ug/L	U	1
Chloroform	67-66-3	ND	0.5000	0.5000	ug/L	U	1
Chloromethane	74-87-3	ND	0.5000	0.5000	ug/L	U	1
2-Chlorotoluene	95-49-8	ND	0.5000	0.5000	ug/L	U	1
4-Chlorotoluene	106-43-4	ND	0.5000	0.5000	ug/L	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	5.000	5.000	ug/L	U	1
Dibromochloromethane	124-48-1	ND	0.5000	0.5000	ug/L	U	1
1,2-Dibromoethane	106-93-4	ND	0.5000	0.5000	ug/L	U	1
Dibromomethane	74-95-3	ND	0.5000	0.5000	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	ND	0.5000	0.5000	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	ND	0.5000	0.5000	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	ND	0.5000	0.5000	ug/L	U	1
Dichlorodifluoromethane	75-71-8	ND	0.5000	0.5000	ug/L	U	1
1,1-Dichloroethane	75-34-3	ND	0.5000	0.5000	ug/L	U	1
1,2-Dichloroethane	107-06-2	ND	0.5000	0.5000	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	ND	0.5000	0.5000	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	ND	0.5000	0.5000	ug/L	U	1
1,1-Dichloroethene	75-35-4	ND	0.5000	0.5000	ug/L	U	1
1,2-Dichloropropane	78-87-5	ND	0.5000	0.5000	ug/L	U	1
1,3-Dichloropropane	142-28-9	ND	0.5000	0.5000	ug/L	U	1
2,2-Dichloropropane	594-20-7	ND	0.5000	0.5000	ug/L	U	1
1,1-Dichloropropene	563-58-6	ND	0.5000	0.5000	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	ND	0.5000	0.5000	ug/L	U	1
Ethylbenzene	100-41-4	ND	0.5000	0.5000	ug/L	U	1
Isopropylbenzene	98-82-8	ND	0.5000	0.5000	ug/L	U	1
4-Isopropyltoluene	99-87-6	ND	0.5000	0.5000	ug/L	U	1
Methylene Chloride	75-09-2	ND	5.000	5.000	ug/L	U	1
Methyl-t-butyl ether	1634-04-4	ND	0.5000	0.5000	ug/L	U	1
Naphthalene	91-20-3	ND	0.5000	0.5000	ug/L	U	1
n-Propylbenzene	103-65-1	ND	0.5000	0.5000	ug/L	U	1

Blank Summary 13121830

AECOM, Columbia, MD

7-11 Fallston #22281

Analytical Method: **EPA 524.2** Prep Method: E524.2PREP
Matrix: **WATER**

Sample Id: **48619-1-BLK** Lab Sample Id: **48619-1-BLK**

Date Analyzed: Dec-20-13 15:18 Analyst: 1011 Seq Number: 110828 Date Prep: Dec-20-13 13:00 Tech: 1011

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
Styrene	100-42-5	ND	0.5000	0.5000	ug/L	U	1
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.5000	0.5000	ug/L	U	1
Diisopropyl ether	108-20-3	ND	5.000	5.000	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5000	0.5000	ug/L	U	1
Tetrachloroethylene	127-18-4	ND	0.5000	0.5000	ug/L	U	1
Toluene	108-88-3	ND	0.5000	0.5000	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	ND	1.000	1.000	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	ND	0.5000	0.5000	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	ND	0.5000	0.5000	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	ND	0.5000	0.5000	ug/L	U	1
Trichloroethene	79-01-6	ND	0.5000	0.5000	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	ND	0.5000	0.5000	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	ND	0.5000	0.5000	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	ND	0.5000	0.5000	ug/L	U	1
Vinyl Chloride	75-01-4	ND	0.5000	0.5000	ug/L	U	1
o-Xylene	95-47-6	ND	0.5000	0.5000	ug/L	U	1
m,p-Xylenes	108-38-3	ND	1.000	1.000	ug/L	U	1
tert-Butyl ethyl ether	637-92-3	ND	5.000	5.000	ug/L	U	1
tert-Butyl alcohol	75-65-0	ND	20.00	20.00	ug/L	U	1
tert-Amyl methyl ether	994-05-8	ND	5.000	5.000	ug/L	U	1

Blank Summary 13121830

AECOM, Columbia, MD

7-11 Fallston #22281

Analytical Method: **SW-846 8015C** Prep Method: SW5030B
Matrix: **WATER**

Sample Id: **48642-2-BLK** Lab Sample Id: **48642-2-BLK**

Date Analyzed: Dec-20-13 10:56 Analyst: 1035 Seq Number: 110854 Date Prep: Dec-20-13 09:29 Tech: 1035

Parameter	Cas Number	Result	RL	LOD	Units	Flag	Dil
TPH-GRO (Gasoline Range Organics)	C6C10GRO	ND	100	40.00	ug/L	U	1

Blank Spike Recovery

Project Name: 7-11 Fallston #22281

Work Order #: 13121830 **Project ID:** 60144763

Prep Batch #: 48642 **Date Prepared:** 12/20/2013 09:29 **Sample ID:** 48642-2-BKS **Matrix:** Water

Lab Batch ID: 110854 **Date Analyzed:** 12/20/2013 10:56 **Analyst:** 1035

Reporting Units: ug/L

	BLANK /BLANK SPIKE RECOVERY STUDY					
Total Petroleum Hydrocarbons-GRO **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
TPH-GRO (Gasoline Range Organics)	<100	5000	4795	96	61-138	

Blank Spike Recovery [D] = 100*(([C]-[A])/[B])

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H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: 7-11 Fallston #22281

Work Order #: 13121830 **Project ID:** 60144763

Prep Batch #: 48619 **Date Prepared:** 12/20/2013 13:00 **Sample:** 48619-1-BKS **Analyst:** 1011

Lab Batch ID: 110828 **Date Analyzed:** 12/20/2013 13:34 **Method:** E524.2PREP / E524.2 **Matrix:** Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

VOC In Drinking Water plus Oxygenates Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.5000	10.00	8.500	85	10.00	9.090	91	7	70-130	30	
Bromobenzene	<0.5000	10.00	8.540	85	10.00	8.940	89	5	70-130	30	
Bromochloromethane	<0.5000	10.00	7.760	78	10.00	8.430	84	8	70-130	30	
Bromodichloromethane	<0.5000	10.00	8.230	82	10.00	8.930	89	8	70-130	30	
Bromoform	<5.000	20.00	14.04	70	20.00	14.73	74	5	70-130	30	
Bromomethane	<0.5000	10.00	8.750	88	10.00	9.440	94	8	70-130	30	
tert-Butylbenzene	<0.5000	10.00	9.590	96	10.00	10.20	102	6	70-130	30	
sec-Butylbenzene	<0.5000	10.00	9.760	98	10.00	10.45	105	7	70-130	30	
n-Butylbenzene	<0.5000	10.00	9.740	97	10.00	10.45	105	7	70-130	30	
Carbon Tetrachloride	<0.5000	10.00	8.030	80	10.00	9.270	93	14	70-130	30	
Chlorobenzene	<0.5000	10.00	8.450	85	10.00	8.870	89	5	70-130	30	
Chloroethane	<0.5000	10.00	9.000	90	10.00	9.640	96	7	70-130	30	
Chloroform	<0.5000	10.00	7.950	80	10.00	8.800	88	10	70-130	30	
Chloromethane	<0.5000	10.00	8.810	88	10.00	9.320	93	6	70-130	30	
2-Chlorotoluene	<0.5000	10.00	8.930	89	10.00	9.350	94	5	70-130	30	
4-Chlorotoluene	<0.5000	10.00	9.000	90	10.00	9.480	95	5	70-130	30	
1,2-Dibromo-3-Chloropropane	<5.000	50.00	41.99	84	50.00	44.57	89	6	70-130	30	
Dibromochloromethane	<0.5000	10.00	7.080	71	10.00	7.460	75	5	70-130	30	
1,2-Dibromoethane	<0.5000	10.00	8.250	83	10.00	8.430	84	2	70-130	30	
Dibromomethane	<0.5000	10.00	7.790	78	10.00	8.280	83	6	70-130	30	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: 7-11 Fallston #22281

Work Order #: 13121830 **Project ID:** 60144763

Prep Batch #: 48619 **Date Prepared:** 12/20/2013 13:00 **Sample:** 48619-1-BKS **Analyst:** 1011

Lab Batch ID: 110828 **Date Analyzed:** 12/20/2013 13:34 **Method:** E524.2PREP / E524.2 **Matrix:** Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

VOC In Drinking Water plus Oxygenates Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2-Dichlorobenzene	<0.5000	10.00	8.550	86	10.00	8.920	89	4	70-130	30	
1,3-Dichlorobenzene	<0.5000	10.00	8.650	87	10.00	9.030	90	4	70-130	30	
1,4-Dichlorobenzene	<0.5000	10.00	8.470	85	10.00	8.910	89	5	70-130	30	
Dichlorodifluoromethane	<0.5000	10.00	9.020	90	10.00	9.910	99	9	70-130	30	
1,1-Dichloroethane	<0.5000	10.00	7.970	80	10.00	8.750	88	9	70-130	30	
1,2-Dichloroethane	<0.5000	10.00	7.860	79	10.00	8.460	85	7	70-130	30	
cis-1,2-Dichloroethene	<0.5000	10.00	8.160	82	10.00	8.900	89	9	70-130	30	
trans-1,2-Dichloroethene	<0.5000	10.00	8.260	83	10.00	9.060	91	9	70-130	30	
1,1-Dichloroethene	<0.5000	10.00	8.970	90	10.00	10.01	100	11	70-130	30	
1,2-Dichloropropane	<0.5000	10.00	8.110	81	10.00	8.730	87	7	70-130	30	
1,3-Dichloropropane	<0.5000	10.00	8.180	82	10.00	8.560	86	5	70-130	30	
2,2-Dichloropropane	<0.5000	10.00	10.04	100	10.00	11.42	114	13	70-130	30	
1,1-Dichloropropene	<0.5000	10.00	9.160	92	10.00	10.03	100	9	70-130	30	
cis-1,3-Dichloropropene	<0.5000	10.00	8.810	88	10.00	9.510	95	8	70-130	30	
Ethylbenzene	<0.5000	10.00	9.010	90	10.00	9.530	95	6	70-130	30	
Isopropylbenzene	<0.5000	10.00	9.760	98	10.00	10.28	103	5	70-130	30	
4-Isopropyltoluene	<0.5000	10.00	9.790	98	10.00	10.46	105	7	70-130	30	
Methylene Chloride	<5.000	10.00	8.300	83	10.00	11.58	116	33	70-130	30	F
Methyl-t-butyl ether	<0.5000	10.00	7.830	78	10.00	8.470	85	8	70-130	30	
Naphthalene	<0.5000	10.00	7.670	77	10.00	7.820	78	2	70-130	30	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228

H= Recovery of BS,BSD or both exceeded the laboratory control limits
F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: 7-11 Fallston #22281

Work Order #: 13121830 **Project ID:** 60144763

Prep Batch #: 48619 **Date Prepared:** 12/20/2013 13:00 **Sample:** 48619-1-BKS **Analyst:** 1011

Lab Batch ID: 110828 **Date Analyzed:** 12/20/2013 13:34 **Method:** E524.2PREP / E524.2 **Matrix:** Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

VOC In Drinking Water plus Oxygenates Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
n-Propylbenzene	<0.5000	10.00	9.500	95	10.00	10.04	100	6	70-130	30	
Styrene	<0.5000	10.00	9.010	90	10.00	9.430	94	5	70-130	30	
Diisopropyl ether	<5.000	40.00	34.07	85	40.00	32.62	82	4	70-130	30	
1,1,1,2-Tetrachloroethane	<0.5000	10.00	8.480	85	10.00	9.010	90	6	70-130	30	
1,1,2,2-Tetrachloroethane	<0.5000	10.00	8.240	82	10.00	8.510	85	3	70-130	30	
Tetrachloroethylene	<0.5000	10.00	8.790	88	10.00	9.470	95	7	70-130	30	
Toluene	<0.5000	10.00	8.720	87	10.00	9.270	93	6	70-130	30	
1,2,3-Trichlorobenzene	<1.000	10.00	8.620	86	10.00	8.880	89	3	70-130	30	
1,2,4-Trichlorobenzene	<0.5000	10.00	8.730	87	10.00	9.100	91	4	70-130	30	
1,1,1-Trichloroethane	<0.5000	10.00	8.560	86	10.00	9.480	95	10	70-130	30	
1,1,2-Trichloroethane	<0.5000	10.00	8.060	81	10.00	8.430	84	4	70-130	30	
Trichloroethene	<0.5000	10.00	8.500	85	10.00	9.090	91	7	70-130	30	
1,2,3-Trichloropropane	<0.5000	10.00	7.950	80	10.00	8.050	81	1	70-130	30	
1,2,4-Trimethylbenzene	<0.5000	10.00	9.200	92	10.00	9.660	97	5	70-130	30	
1,3,5-Trimethylbenzene	<0.5000	10.00	9.410	94	10.00	9.910	99	5	70-130	30	
Vinyl Chloride	<0.5000	10.00	9.270	93	10.00	10.10	101	9	70-130	30	
o-Xylene	<0.5000	10.00	9.250	93	10.00	9.780	98	6	70-130	30	
m,p-Xylenes	<1.000	20.00	18.24	91	20.00	19.02	95	4	70-130	30	
tert-Butyl ethyl ether	<5.000	40.00	33.65	84	40.00	32.08	80	5	68-126	30	
tert-Butyl alcohol	<20.00	80.00	63.47	79	80.00	62.01	78	2	54-122	30	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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Baltimore, MD 21228

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F = RPD exceeded the laboratory control limits
L = Recovery of BS,BSD or both below the laboratory control limits

LCS/LCSD Recoveries

Project Name: 7-11 Fallston #22281

Work Order #: 13121830 **Project ID:** 60144763

Prep Batch #: 48619 **Date Prepared:** 12/20/2013 13:00 **Sample:** 48619-1-BKS **Analyst:** 1011

Lab Batch ID: 110828 **Date Analyzed:** 12/20/2013 13:34 **Method:** E524.2PREP / E524.2 **Matrix:** Water

Units: ug/L

VOC In Drinking Water plus Oxygenates Analytes	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
tert-Amyl methyl ether	<5.000	40.00	34.15	85	40.00	32.30	81	6	67-124	30	

Relative Percent Difference RPD = 200*|(D-G)/(D+G)|
Laboratory Control Sample (LCS) Percent Recovery [D] = 100*(C)/[B]
Laboratory Control Sample Duplicate (LCSD) Percent Recovery [G] = 100*(F)/[E]

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SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.com
email: info@phaseonline.com

(1) *CLIENT: AECOM *OFFICE LOC. Columbia, MD
*PROJECT MGR: John Ramzen *PHONE NO.: (240) 565-6561
EMAIL: FAX NO.: ( )
*PROJECT NAME: 7-11 Fallston #22281 PROJECT NO.: 60144763
SITE LOCATION: Fallston, MD P.O. NO.: 4584 AM
SAMPLER(S): N. Kingsbury DW CERT NO.:

PSS Work Order #: 1312830 PAGE 1 OF 1

Matrix Codes: **SW**=Surface Wtr **DW**=Drinking Wtr **GW**=Ground Wtr **WW**=Waste Wtr **O**=Oil **S**=Soil **L**=Liquid **SOL**=Solid **A**=Air **WI**=Wipe

(2)

LAB NO.	*SAMPLE IDENTIFICATION	*DATE (SAMPLED)	*TIME (SAMPLED)	MATRIX (See Codes)	No. CONTAINERS	SAMPLE TYPE C = COMP G = GRAB	Preservatives Used	HCl	HCl										REMARKS
							(3) * Analysis/ Method Required	524.2 +oxy	TPH-GRO										
	2414 Pleasantville Rd	12/18/13	14:55	GW	6	G		✓	✓										

(5)

Relinquished By: (1)	Date	Time	Received By:
	12/18/13	15:52	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4) *Requested TAT (One TAT per COC)
☑ 5-Day ☐ 3-Day ☐ 2-Day ☐ Next Day ☐ Emergency ☐ Other

Data Deliverables Required: COA QC SUMM CLP LIKE OTHER
☑ ☐ ☐ ☐ _____

Special Instructions:

DW COMPLIANCE? YES ☐

EDD FORMAT TYPE: AECOM

STATE RESULTS REPORTED TO: MD ☑ DE ☐ PA ☐ VA ☐ WV ☐ OTHER _____

# of Coolers: 1
Custody Seal: Abs
Ice Present: Yes Temp: 6°C
Shipping Carrier: Client

Final 1.000

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

Phase Separation Science, Inc

Sample Receipt Checklist

Work Order #	13121830	**Received By**	Robyn Rhudy
Client Name	AECOM	**Date Received**	12/18/2013 03:52:00 PM
Project Name	7-11 Fallston #22281	**Delivered By**	Client
Project Number	60144763	**Tracking No**	Not Applicable
Disposal Date	01/22/2014	**Logged In By**	Robyn Rhudy

Shipping Container(s)

No. of Coolers	1	Ice	Present
		Temp (deg C)	6
Custody Seal(s) Intact?	N/A	Temp Blank Present	No
Seal(s) Signed / Dated?	N/A		

Documentation

		Sampler Name	Nick Barrett
		MD DW Cert. No.	N/A
COC agrees with sample labels?	Yes		
Chain of Custody	Yes		

Sample Container

		Custody Seal(s) Intact?	Not Applicable
Appropriate for Specified Analysis?	Yes	Seal(s) Signed / Dated	Not Applicable
Intact?	Yes		
Labeled and Labels Legible?	Yes		

Total No. of Samples Received	1	Total No. of Containers Received	6

Preservation

Metals	(pH<2)	N/A
Cyanides	(pH>12)	N/A
Sulfide	(pH>9)	N/A
TOC, COD, Phenols	(pH<2)	N/A
TOX, TKN, NH3, Total Phos	(pH<2)	N/A
VOC, BTEX (VOA Vials Rcvd Preserved)	(pH<2)	Yes
Do VOA vials have zero headspace?		Yes

Comments: (Any "No" response must be detailed in the comments section below.)

For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as well as documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved oxygen should be analyzed as soon as possible, preferably in the field at the time of sampling. Samples which require thermal preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that are hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

Samples Inspected/Checklist Completed By: Robyn Rhudy — Date: 12/19/2013

PM Review and Approval: Amy Friedlander — Date: 12/19/2013