

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

410.379.6900 tel 410.379.6901 fax

AECOM Project No. 60144763

May 27, 2021

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

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 abovereferenced 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 (μ g/L) which exceeds the MDE Cleanup Standard of 0.17 μ g/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

Margaret Price
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



Table 1. Offsite Potable Well Analytical Results

7-Eleven Store No. 22281 2400 Pleasantville Road Fallston, Maryland

		VOCs in Drinking Water Plus Oxygenates via EPA 524.2 (ug/L)								
Potable Well	Date	Benzene	Toluene	Ethylbenzene	Xylenes	втех	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 Obtain	ned			
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 Obtain	ned			
EPA NPDWR MCLs	(ug/L)	5	1,000	700	10,000	NS	20*	80*	5	0.17*

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

¹ Samples collected by Harford County Health Department

Table 1. Offsite Potable Well Analytical Results

7-Eleven Store No. 22281 2400 Pleasantville Road Fallston, Maryland

	_			VOCs in [Orinking Wat	ter Plus Ox	xygenates vi	a EPA 524.2 (ı	ıg/L)	
Potable Well	Date	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 Obtain	ned			
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:

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)

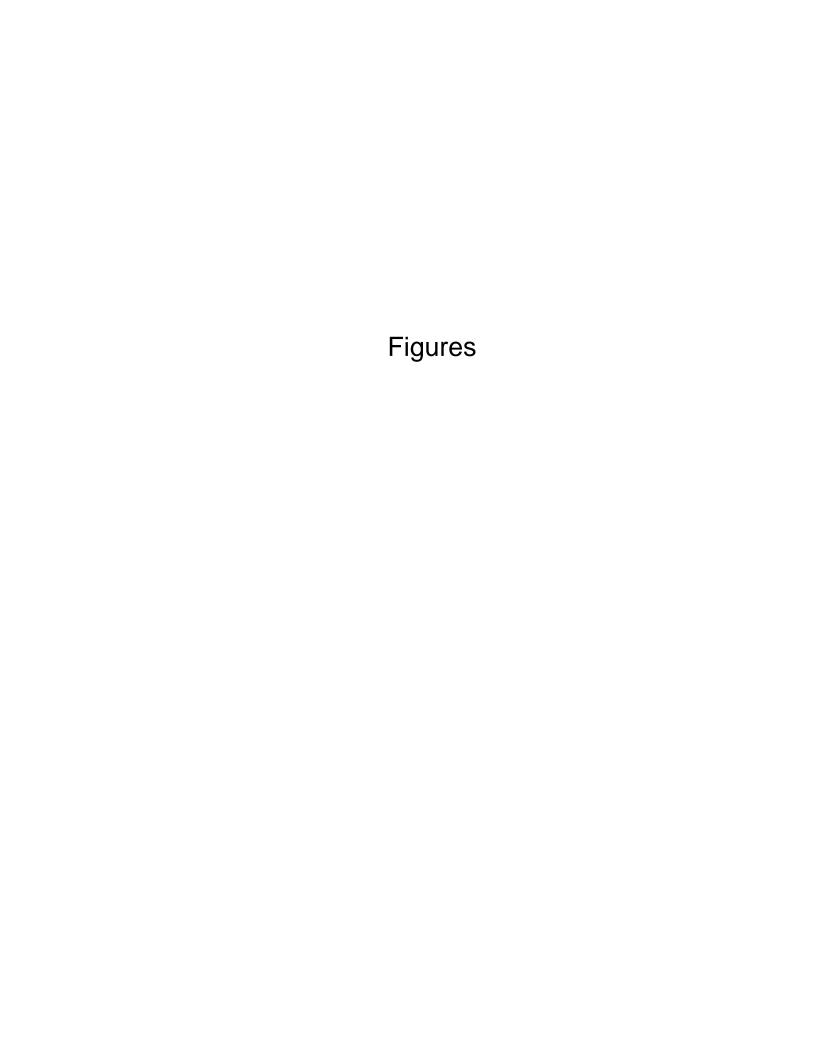
TPH-GRO - Total Petroleum Hydrocarbons-Gasoline Range Organics

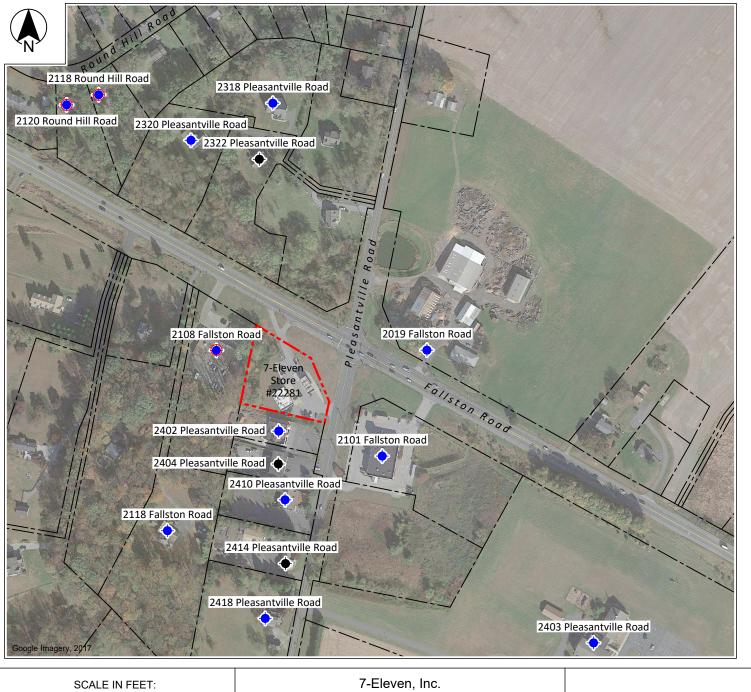
<X - analyte not detected at the laboratory detection limit of X

NPDWR: National Primary Drinking Water Regulations

EPA: Environmental Protection Agency

Samples collected by Harford County Health Department





LEGEND:

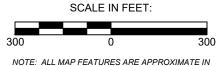
---- Approximate Subject Property

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 AND LOCATION.

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

Fallston Private Potable Well Location Map

FIGURE 1

AECOM

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

Attachment A MDE Directive



Larry Hogan, Governor Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary Horacio Tablada, Deputy Secretary

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.

Ms. Shellena Hussein Case No. 2005-0120-HA Page - 3 -

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

Ms. Shellena Hussein Case No. 2005-0120-HA Page - 4 -

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

Attachment B Potable Well Collection Field Sheets

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	2. 2118 Round 41.11 1/cal				
Written Access Agreement Obtai	ned ahead of time (Y/N):				
Date of Sampling: See B	ebu - No Sample				
Primary AECOM Sampler/Leader	1971				
Secondary AECOM Sampler/Help	per:				
Verbal verification that occupant NO, then sampling should not be					
Any identified issues pre-sampli	ng (Y/N):				
If YES, list issue					
Sampling location (outside tap, k	itchen tap, etc.)				
Picture taken of sampling location	n (Y/N – if no then why)				
If NO, list issue					
Is there a water treatment system					
Sample from Pre-or post-water tr	eatment system				
Any issues with water flow or sa	mpling collection (Y/N)				
If YES, list issue					
Any issues with water quality (cl	oudy, odor, sediment, etc.)				
If YES, list issue					
Any post sampling issues with o	ccupant (Y/N)				
If yes, list issue					
Pre-sampling observations or issued by AECOM samplers:	owner upon armuni - no response				
Post-sampling observation or iss	sues				

Attachment:

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland



Residential Address:	Z118	Rund Hill Road
Written Access Agreement Obtained a	ahead of time (Y/N):	Y
Date of Sampling:		4/26/21
Primary AECOM Sampler/Leader:	EMY LILY	
Secondary AECOM Sampler/Helper:	Steve St	スッカムで
Verbal verification that occupant appr NO, then sampling should not be perf	oved sampling (Y/N – <i>if</i> ormed):	V
Any identified issues pre-sampling (Y	/N):	N
If YES, list issue		
Sampling location (outside tap, kitche	n tap, etc.)	Cuts de spact
Picture taken of sampling location (Y/l	N – if no then why)	V
If NO, list issue		
s there a water treatment system		N
Sample from Pre-or post-water treatme	ent system	7
Any issues with water flow or samplin	g collection (Y/N)	N
If YES, list issue		
Any issues with water quality (cloudy, (Y/N)	odor, sediment, etc.)	\sim
If YES, list issue		,
Any post sampling issues with occupa	ant (Y/N)	N
If yes, list issue		
Pre-sampling observations or issues noted by AECOM samplers:	NN	
Post-sampling observation or issues noted by AECOM samplers:	NA	

Attachment:

410.379.6900 to 410.379.6901 fa

tel fax

POTABLE WELL INFORMATION FORM

Ple	ase complete the questions below by wri	ting the answer in the spac	e provided or by circlin	g the most
ар	propriate response, and return this form to	o us within 5 days of receipt	. •	
Da	te: 12/1/20 Pro	operty Address: 2118	ROUND HILL	RD
1.	Indicate your relationship to this property	. (Circle one)		
(Property Owner Renter/Lessee	Other (please explain) _		
Ple	ase provide your contact information and	address.		
NA	AILING ADDRESS: 2118 ROJN	·Hugh		
M	AILING ADDRESS: 2118 ROUNT	HILL RD, FA	LLSTON, MD	21047
PH	ONE #: 410 879 82 19 (1	nome)	(work)	(cell)
	Please circle the phone nur	nber above that you prefe	r we use to contact you	
E-l	MAIL ADDRESS:			
NA	you are a renter or tenant, please provide to			
	OPERTY ADDRESS:			
PH	ONE #:(h	ome)	(work)	(cell
2.	Is any of the water used at the residence (If NO, please stop here and return form		YES NO	
3.	What is the depth of the well?	feet Check her	e if unknown:	
	Please provide the well permit number:_			V
5.	Does the well supply water for any other If YES, how many?		YES	NO Unknown
6.	Do you use the well water for drinking a	nd/or cooking?	YES	6
	If NO, what is the source of your drinking	ng/cooking water?		
7.	Do you use the well water for:	bathing? washing clothes? lawn/garden/irrigation	YES YES	NO NO NO



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

410.379.6900 t 410.379.6901 f

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8.	We would	like to sample untreated water.					
	Do you hav	YES	NO				
	If YES,	What type of water treatment system(s) do you have? (Circle all that ap	ply)				
		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 sam	ple?				
		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? BACIC OF THE HOUSE					
9.		ot take an untreated sample from the outside spigot, would it be possible one at this location on a weekday to collect a water sample?		e a meeting NO			
10.	Please prov	ride any other information that you feel would be helpful for us to know	about you	r well.			

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:		2318	Pleasantunk	Rose		
Treestactified Address.						
Written Access Agreement Obta	ined ah	ead of ti	me (Y/N):	F/		
Date of Sampling:				4150/	21	
Primary AECOM Sampler/Leader	r:	ENI	4 67173			
Secondary AECOM Sampler/Hel	per:		steve straugh	7h		
Verbal verification that occupant NO, then sampling should not be	t approv e <i>perfori</i>	ed sam <i>med</i>):	pling (Y/N – <i>if</i>	1		
Any identified issues pre-sampli	ng (Y/N)):		\sim		
If YES, list issue					. *	
Sampling location (outside tap, I	kitchen t	tap, etc.)	outside	Spijot	- 4
Picture taken of sampling location	on (Y/N -	- if no tl	nen why)	V		
If NO, list issue						
.s there a water treatment system	n			2		
Sample from Pre-or post-water to	reatmen	t syster	n	4		-
Any issues with water flow or sa	mpling	collection	on (Y/N)	N		
If YES, list issue						
Any issues with water quality (cl (Y/N)	oudy, o	dor, sed	liment, etc.)	7		
If YES, list issue			-			
Any post sampling issues with o	ccupant	t (Y/N)		7		
If yes, list issue						
Pre-sampling observations or iss noted by AECOM samplers:	sues	N/A				
Post-sampling observation or iss noted by AECOM samplers:	sues	NIS	,			

Attachment:





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

tel fax

POTABLE WELL INFORMATION FORM

Ple	ase complete the questions below by writing the answer in the space provided or by circling the most
арр	propriate response, and return this form to us within 5 days of receipt.
Da	te: 1/13/2021 Property Address: 2318 Pleasant ville Rd
1.	Indicate your relationship to this property. (Circle one)
	Property Owner Renter/Lessee Other (please explain)
Ple	ase provide your contact information and address.
MA	AILING ADDRESS: 2318 Pleasantville Rd Fallston MD 21047 ONE #: (410) 652 - 2105 (home) (work) (cell)
	Please circle the phone number above that you prefer we use to contact you.
E-I	MAIL ADDRESS:
	ME:OPERTY ADDRESS:
	ONE #:(work)(cell
2.	Is any of the water used at the residence supplied by a well? (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? If YES, how many? YES NO 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?

washing clothes?

lawn/garden/irrigation?

YES

NO

NO

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

410.379.6900 t 410.379.6901 f

tel fax

8.	We would	like to sample untreated water.	
	Do you ha	ive 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 ap	oply)
		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 same	ıple?
		YES NO NOT SURE	
		If YES, how can the system be bypassed? (Circle all that apply)	
	IENO	Outside spigot bypasses treatment Faucet in basement Faucet on holding tank Treatment system can be shut off	
	If NO , Is then	re an outside spigot from which we can take a sample?	YES NO
	Where	e is the spigot located? Near the garage do	ors tota
9.		not take an untreated sample from the outside spigot, would it be possible cone at this location on a weekday to collect a water sample?	to schedule a meeting YES NO
10.	Please pro	vide any other information that you feel would be helpful for us to know	about your well.
	He	on may call me it you have guestions (416) 652-2	re any
		questions (416) 652-2	165

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:		2403	Pleasantv	ille Road
Written Access Agreement Obtai	ined ah	ead of time	(Y/N):	Y
Date of Sampling:				4/26/21
Primary AECOM Sampler/Leader	-	Emly	LUA	
Secondary AECOM Sampler/Help	oer:	Stev	Stransba	1.gh
Verbal verification that occupant NO, then sampling should not be		ed samplii		Y
Any identified issues pre-sampling	ng (Y/N)):		N
If YES, list issue				
Sampling location (outside tap, k	itchen t	tap, etc.)		outribe spinut
Picture taken of sampling location	n (Y/N -	- if no then	why)	Y
If NO, list issue				
.s there a water treatment system	1			Sediment till
Sample from Pre-or post-water tr	eatmen	t system		Pre
Any issues with water flow or sai	mpling	collection	(Y/N)	N
If YES, list issue				
Any issues with water quality (clo	oudy, o	dor, sedim	ent, etc.)	N
If YES, list issue				
Any post sampling issues with o	ccupan	t (Y/N)		N
If yes, list issue				
Pre-sampling observations or iss noted by AECOM samplers:		NA	Only Sup	plus wuter to church attached fre school
Post-sampling observation or iss noted by AECOM samplers:	ues	NA		

Attachment:



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

tel fax

POTABLE WELL INFORMATION FORM dominant said bloom still a

Pleas	se complete the questions below by wr	iting the answer in the space	provided or by circling th	e most
	opriate response, and return this form			Jan J.
Date	: 1/15/2021 P	roperty Address: <u>2403</u>	Pleasantville Ry	/ Fallston Mo
1. In	ndicate your relationship to this propert	y. (Circle one)	Iron removal	2/04
Pı	roperty Owner Renter/Lessee	Other (please explain)	Phurch Presiden	+
Pleas	se provide your contact information and	d address.	incontantos He	
NAM	ME: Eugene W Cro	cker	M/1mn	
MAI	LING ADDRESS: PO Box	35 8 Pallston	1/101 2/04/	150
PHO	NE#: 410-877-3090			-4/809 (cell)
	-	mber above that you prefer	BOOK STATE OF THE PROPERTY OF	
E-M	AIL ADDRESS: OSSice @ gr	and view talkstow .	org.	
If vo	ou are a renter or tenant, please provide	the owner's contact information	ebianO on	
•		n haiding tank	n teaucit	
	1 / A			
NAM	ME: NA	itt system can be shut off	Treatme	
	PERTY ADDRESS:	it system out be shull off	Treatme	ENO.
PRO	PERTY ADDRESS:	nt system can be shut off.	Treatme	(cell)
PHO	PERTY ADDRESS:((to lude ed aus motage in	(work)	
PHO 2. I	PERTY ADDRESS: ONE #: (Is any of the water used at the residence (If NO, please stop here and return form	home)e supplied by a well?	(work) YES NO less tor	9. If we can with some
PHO 2. I	PERTY ADDRESS:(home)e supplied by a well?	(work) YES NO less tor	9. If we can with some
PRO: PHO 2. I ((PERTY ADDRESS: ONE #: (Is any of the water used at the residence (If NO, please stop here and return form	home)e supplied by a well? feet Check here	(work) YES NO	9. If we canswith some
PRO: PHO 2. I (3. V 4. I 5. I	ONE #:(Is any of the water used at the residence (If NO, please stop here and return form) What is the depth of the well?	home) e supplied by a well? feet Check here Check residences?	(work) YES NO if unknown:	9. If we canswith some
PRO. PHO 2. I (3. V 4. F 5. I I	Is any of the water used at the residence (If NO, please stop here and return form) What is the depth of the well? Please provide the well permit number: Does the well supply water for any other	home)e supplied by a well? Check here Check residences?	(work) YES NO if unknown:	9. If we cansow with some 10. Please pro
PRO PHO 2. I (3. V 4. I 5. I I 6. I	Is any of the water used at the residence of the water used at the residence of the work of the well? What is the depth of the well? Please provide the well permit number: Does the well supply water for any other of the wells, how many? Unknown	home) e supplied by a well? feet Check here Cher residences? and/or cooking?	(work) YES NO if unknown: YES N	O Unknown



AECOM430 National Business Parkway, Suite 190 Annapolis Junction, Maryland 20701

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8.	We would	like to sample untreated water.
	Do you hav	ve any treatment system(s) on the well?
	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 THE A START WHEN THE START WE SEE THE START OF STA
		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,	e an outside spigot from which we can take a sample?
		is the spigot located? Back Door Norther Enterace
9.		ot take an untreated sample from the outside spigot, would it be possible to schedule a meeting one at this location on a weekday to collect a water sample?

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

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:		2410	Pleasantuilk Load
1 lesidelitiai Addiess.			
Written Access Agreement Obta	ined ahe	ead of time (Y/N):	Ý
Date of Sampling:			4/26/21
Primary AECOM Sampler/Leader	r:	Emy Lilis	
Secondary AECOM Sampler/Help	per:	Steve St	rausbasih
Verbal verification that occupant NO, then sampling should not be			1
Any identified issues pre-sampli	ng (Y/N)):	\sim
If YES, list issue	_		
Sampling location (outside tap, l	kitchen 1	tap, etc.)	Outside Spigot
Picture taken of sampling location	on (Y/N -	- if no then why)	· Y
If NO, list issue			81
there a water treatment system	n		N
Sample from Pre-or post-water to	reatmen	t system	A
Any issues with water flow or sa	mpling	collection (Y/N)	N
If YES, list issue			
Any issues with water quality (cl (Y/N)	oudy, o	dor, sediment, etc.)	N
If YES, list issue			
Any post sampling issues with o	ccupan	t (Y/N)	\sim
If yes, list issue			8
Pre-sampling observations or iss noted by AECOM samplers:		NA	
Post-sampling observation or iss noted by AECOM samplers:	sues	$\mathcal{N}\mathcal{X}$	

Attachment:



430 National Business Parkway, Suite 190 Annapolis Junction, Maryland 20701 410.379.6900 410.379.6901 tel 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: 24/6 /	leason+VIIIE RD	
1. Indicate your relationship to this proper	ty. (Circle one)		
Property Owner Renter/Lessee	Other (please explain)	Tenth Spring her total neither	
Please provide your contact information as	nd address.		
NAME: Alex Theodonop			
MAILING ADDRESS: 2410 Pl.	00105	ENLICTAL HOD 210	
PHONE #: 443- 617-7374	(home)	(work)	(cell
	umber above that you prefer		(con
E-MAIL ADDRESS: ALEXTheo.			
7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	0,,,,,		
If you are a renter or tenant, please provide	e the owner's contact information	on.	
NAME.			
NAME:PROPERTY ADDRESS:	mentage of many residence of	SHULLI I	DV II
PHONE #	(1)	(. 1)	
PHONE #:	(nome)	(WORK)	(cei
2. Is any of the water used at the residence (If NO , please stop here and return for	<u>m)</u>	Self the testing of fine E self-	
3. What is the depth of the well?	feet Check here	if unknown:	
4. Please provide the well permit numbe	r: Ch	eck here if unknown:	
5. Does the well supply water for any of		YES NO	O Unknown
If YES, how many?			
6. Do you use the well water for drinking	g and/or cooking?	YES NO)
If NO, what is the source of your drin	king/cooking water?		
7. Do you use the well water for:	bathing?	YES (NO	
	washing clothes? lawn/garden/irrigation?	YES NO YES NO	
	iawn/garden/irrigarion?	YES NO	,

AECOM430 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? 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? **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? 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?

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

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:						
	intal Address.					
Written Access Agreement Obtained ahead of time (Y/N):						
Date of Sampling: $\frac{5}{10}$	0/20					
Primary AECOM Sampler/Leader	r: Endy Lals					
Secondary AECOM Sampler/Hel	per: Steve Strain	ben				
Verbal verification that occupant NO, then sampling should not be	t approved sampling (Y/N – <i>if</i>	[V				
Any identified issues pre-sampli	ing (Y/N):	\mathcal{N}				
If YES, list issue						
Sampling location (outside tap, l	kitchen tap, etc.)	Inside both non				
Picture taken of sampling location (Y/N – if no then why)						
If NO, list issue						
there a water treatment system	m	\$\langle \text{\tin}\text{\tin}\text{\tin}\tint{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\tex{\tex				
Sample from Pre-or post-water t	reatment system	Pre-				
Any issues with water flow or sa	ampling collection (Y/N)	N				
If YES, list issue						
Any issues with water quality (cl (Y/N)	loudy, odor, sediment, etc.)	\sim				
If YES, list issue						
Any post sampling issues with o	occupant (Y/N)	~				
If yes, list issue						
Pre-sampling observations or is noted by AECOM samplers:	NIN					
Post-sampling observation or is noted by AECOM samplers:	sues					

Attachment:



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

POTABLE WELL INFORMATION FORM

	tease complete the questions below by writing		novided or by circuitg the m	1031
арр	ppropriate response, and return this form to u	is within 3 days of receipt.	20und Hill Rd	
1.	Prop. Indicate your relationship to this property.	(Circle one) Fallator	1, MD 21047	
	Property Owner Renter/Lessee	Other (please explain)	man makin i	
Ple	Please provide your contact information and ac	ldress.		
NA MA	MAILING ADDRESS: 2120 ROPHONE #: 443-1043-0447 (he	und Hill Fall	aton, MD 2104	A
PH				(cell)
E-N	Please circle the phone number of the phone nu	H11525 e gn	WALL COM	
Ify	f you are a renter or tenant, please provide the	owner's contact informatio	n.	
	NAME:			n n
	PROPERTY ADDRESS:			(cell)
PH	PHONE #:(hor	пе)	(WOIK)	(Cell)
2.	Is any of the water used at the residence su (If NO , please stop here and return form)			
3.	What is the depth of the well?	feet Check here i	f unknown:	
4.	Please provide the well permit number:			_
5.	5. Does the well supply water for any other relatives, how many?	esidences?	YES NO	Unknown
6.	6. Do you use the well water for drinking and	d/or cooking?	YES NO	
	If NO, what is the source of your drinking	/cooking water?		
7.	7. Do you use the well water for:	bathing? washing clothes?	YES NO	



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

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tel 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 fitter

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 howel?

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?

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

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	2402 Pleasantvine Road			
nesidential Address:				
Written Access Agreement Obta	ined ahe	ead of time (Y/N):	Y	
Date of Sampling: 3/15/2	(
Primary AECOM Sampler/Leade	r:	Emly Liller		
Primary AECOM Sampler/Leader Secondary AECOM Sampler/Hel Verbal verification that occupan	per:	Steve Stranb	asch	
Verbal verification that occupan NO, then sampling should not b	t approv e <i>perfori</i>	red sampling (Y/N – <i>if</i> med):	Y	
Any identified issues pre-sample	ing (Y/N)):	\mathcal{N}	
If YES, list issue				
Sampling location (outside tap,	kitchen	tap, etc.)	Attic Walersystem	
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 t	reatmen	nt system	Pre	
Any issues with water flow or sa	ampling	collection (Y/N)	Ν	
If YES, list issue		2		
Any issues with water quality (c (Y/N)	loudy, o	dor, sediment, etc.)	2	
If YES, list issue				
Any post sampling issues with	occupan	it (Y/N)	N	
If yes, list issue				
Pre-sampling observations or is noted by AECOM samplers:		NA		
Post-sampling observation or is noted by AECOM samplers:	sues	NA		

Attachment:

DNR 214 9/71 SEQUENCE NO. THIS REPORT MUST BE SUBMITTED WITH-IN 30 DAYS AFTER WELL COMPLETION STATE OF MARYLAND C -0311 VATER RESOURCES ADMINISTRATION T 2 3 LETO, NO.) C. (PHIS NUMBER IS TO BE PUNCHED IN COLD, 3-0 PM ALL CARDS) STATE OFFICE BLDG., ANNAPOLIS, MD FILL IN THIS FORM COMPLETELY COUNTY **WELL COMPLETION REPORT** DEPTH OF WELL -8-71 PERMIT NO. FROM "PERMIT TO DRILL WELL" HA-73-1461 DATE WELL COMPLETED (TO HEAREST FOOT) 28 29 30 31 32 33 84 35 36 37 DRILLERS IDENTIFICATION NO. L OWNER. STREET OR RFD WELL DESCRIPTION WELL LOG C GROUTING RECORD 3 STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING N PUMPING TEST FEET TYPE OF GROUTING MATERIAL (CIRCLE CM BC BENTONITE CLAY HOURS PUMPED (TO NEAREST HOUR) NO. OF BAGS GALLONS OF WATER 58 METHOD USED TO MEASURE PUMPING RATE DEPTH OF GROUT SEAL (TO NEAREST FOOT) WATER LEVEL: (DISTANCE FROM LAND SURFACE) 48 52 (ENTER 0 IF FROM SURFACE) (NEAREST CASING TYPES CASING RECORD INSERT CONCRETE ST APPROPRIATE TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) CODE BELOW A AIR T TURBINE OT O DESCRIBE C CENTRIFUGAL R ROTARY MAIN CASING TYPE NOMINAL DIAMETER TOP (MAIN) GASING (NEAREST INCH) TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) BELOW) J JET S SUBMERSIBLE 66 OTHER CASING (IF USED) PUMP INSTALLED TYPE OF PUMP (WRITE APPROPRIATE LETTER BOX - SEE ABOVE: A, C, J, P, R, S, T, O) DIAMETER (INCH) DEPTH (FEET) FROM TO DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) N CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) SCREEN RECORD SCREEN TYPE ST INSERT BR H O PUMP HORSE POWER APPROPRIATE OR BRONZE OPEN HOLE CODE PUMP COLUMN LENGTH (NEAREST FOOT) BELOW PL OT CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CABING HEIGHT) OTHER + ABOVE 2 (NEAREST (SEQ. NO.) 6
DEPTH (NEAREST WHOLE FOOT) EACH LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). ZURWEZ CIRCLE APPROPRIATE BOXES 24 A WELL WAS ABANDONED AND SEALED WHEN THIS E ELECTRIC LOG OBTAINED SLOT SIZE 1. P TEST WELL CONVERTED TO PRODUCTION WELL (NEAREST INCH) 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 GRAVEL PACK IF WELL DRILLED WAS A 68 F DRILLERS NAME FLOWING WELL CIRCLE BOX WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) 74 75 76 OTHER DATA AVAILABLE SIGNATURE -TELESCOPE CASING LOG INDICATOR

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Desidential Address	23-	Lo Pleasantville	Roal	
Residential Address:				
Written Access Agreement Obta	ined ahe	ead of time (Y/N):	F	
Date of Sampling: 3/15	121			
Primary AECOM Sampler/Leader	r:	Emly Lils		
Secondary AECOM Sampler/Hel	•	Steve Straus	back	
Verbal verification that occupant NO, then sampling should not be			r	
Any identified issues pre-sampli	ing (Y/N):	~	
If YES, list issue			100	
Sampling location (outside tap, kitchen tap, etc.)				
Picture taken of sampling location	on (Y/N	- if no then why)	4	
If NO, list issue				
Is there a water treatment system	m		Y (Iron / Sediment)	
Sample from Pre-or post-water t	reatmer	nt system	Pre	
Any issues with water flow or sa	ampling	collection (Y/N)	\sim	
If YES, list issue	10.00			
Any issues with water quality (c (Y/N)	loudy, o	dor, sediment, etc.)	\sim	
If YES, list issue				
Any post sampling issues with o	occupan	nt (Y/N)	\sim	
If yes, list issue				
Pre-sampling observations or is noted by AECOM samplers:		NA		
Post-sampling observation or is noted by AECOM samplers:	sues	NA		

Attachment:



AECOM430 National Business Parkway, Suite 190 Annapolis Junction, Maryland 20701

410.379.6900 te 410.379.6901 fa

tel fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most

app	ropriate response, and return this form to us	within 5 days	of receipt.		.0
Dat	e: <u>/1-30-20</u> Proper	rty Address: _	2320	Pleasantvil	le Koad
	ndicate your relationship to this property. (C				
	Property Owner Renter/Lessee	Other (please	explain)		
Ple	se provide your contact information and add	ress.			
NA	ME: Joel Baker				
MA	ILING ADDRESS: 2320 Ple	asantvi	116 KC	ad	
PH	ONE #: 443-690-7893 (hom	ne)		_ (work)	(cell)
	Please circle the phone number AAIL ADDRESS:	r above that	you prefer w	e use to contact you.	
·	ou are a renter or tenant, please provide the o				
NA	ME:				
	OPERTY ADDRESS:				
PH	ONE #:(home	e)		(work)	(cell
2.	Is any of the water used at the residence sup (If NO, please stop here and return form)	plied by a we	11?	YES NO	
3.	What is the depth of the well?	feet	Check here if	unknown:	
4.	Please provide the well permit number:		Chec	k here if unknown:	
5.	Does the well supply water for any other res	sidences?		YES	NO Unknown
6.	Do you use the well water for drinking and/	or cooking?		YES)NO
	If NO, what is the source of your drinking/c	cooking water	?		
7.	Do you use the well water for:	bathing? washing clot lawn/garden		YES YES YES	NO NO NO



8.

9.

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

410.379.6900 410.379.6901

tel 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 a Softener Tron removal	apply)	
	b. Can the treatment system be bypassed to collect an untreated water so YES NO NOT SURE If YES, how can the system be bypassed? (Circle all that apply) Outside spigot bypasses treatment Faucet in basement	mple?	
	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?		4
9.	If we cannot take an untreated sample from the outside spigot, would it be possib with someone at this location on a weekday to collect a water sample?	YES YES	NO
10	Please provide any other information that you feel would be helpful for us to kno	w about you	ır well.
	Call anytime and can arran	198	40
	Call anytime and can arran let someone in. Not a prob	stem	ž.

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Deside with Add	2108	Fallston Road		
Residential Address:			-	
Written Access Agreement Obta	ined ahe	ad of time (Y/N):	Y	
Date of Sampling: 3) 15 / 7				
Primary AECOM Sampler/Leader	r:	Emily Lillie		
Secondary AECOM Sampler/Hel	per:	Steve Steausbund		
Verbal verification that occupant NO, then sampling should not be			Y	
Any identified issues pre-sampli	ing (Y/N):	1	N	
If YES, list issue				
Sampling location (outside tap, kitchen tap, etc.) Bathrum 5: NK				
Picture taken of sampling location	V			
If NO, list issue				
Is there a water treatment system	m		N	
Sample from Pre-or post-water t	treatment	t system	V	
Any issues with water flow or sa	ampling o	collection (Y/N)	\sim	
If YES, list issue				
Any issues with water quality (c (Y/N)	loudy, o	dor, sediment, etc.)	\sim	
If YES, list issue				
Any post sampling issues with o	occupant	t (Y/N)	\sim	
If yes, list issue				
Pre-sampling observations or is noted by AECOM samplers:		NA		
Post-sampling observation or is noted by AECOM samplers:	ssues	NIK		

Attachment:

410.379.6900

tel fax



POTABLE WELL INFORMATION FORM Ignue of said bloom 5 1/7

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: 12-23-2820 Property Address: 2109 ZIPO FAUSTM 1. Indicate your relationship to this property. (Circle one) Property Owner Renter/Lessee Other (please explain) Please provide your contact information and address. NAME: FRENORICK PARKEN (FALLSTON S/APR) COMER, LLC
MAILING ADDRESS: PO BOX 114 TREROTIS NILO, MD 21084
PHONE #: 410-688-5316 (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: Freatment system can be shut off PROPERTY ADDRESS: PHONE #:_____(home) (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) a pallow a position of viable sow a no domestic limit to prove the control of the co 3. What is the depth of the well? _____ feet ___ Check here if unknown; _____ seed to _____ 4. Please provide the well permit number:_____ Check here if unknown: 5. Does the well supply water for any other residences? NO Unknown If YES, how many? 6. Do you use the well water for drinking and/or cooking? If NO, what is the source of your drinking/cooking water? 7. Do you use the well water for: bathing? washing clothes?

lawn/garden/irrigation?



8.	We would like to sample untreated water. Do you have any treatment system(s) on the well? YES NO						
	Do you iid						
	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 A aid noutralizer					
		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,						
		e an outside spigot from which we can take a sample? YES (NO)					
	When	is the spigot located? FALLSTON DENTAL CARS OR VINCOS CRA	3				
_		(VOS)	>0				
9.	If we can with som	ot take an untreated sample from the outside spigot, would it be possible to schedule a meeting one 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.

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2

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	201	19 Fallston Ro	pad	
nesidelitiai Addiess.				
Written Access Agreement Obta	ined ahe	ead of time (Y/N):	Y	
Date of Sampling: 3115/	21			
Primary AECOM Sampler/Leade	r:	Engly LAIR		
Secondary AECOM Sampler/Hel	per:	Steve Str	ausbay	
Verbal verification that occupan NO, then sampling should not b		red sampling (Y/N – <i>if</i>	Y	
Any identified issues pre-sample	ing (Y/N)):	\sim	
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)				
If NO, list issue				
Is there a water treatment system	m		\mathcal{N}	
Sample from Pre-or post-water t	reatmen	nt system	×	
Any issues with water flow or sa	ampling	collection (Y/N)	\sim	
If YES, list issue			V	
Any issues with water quality (c (Y/N)	loudy, o	dor, sediment, etc.)	N	
If YES, list issue				
Any post sampling issues with	occupan	it (Y/N)	N	
If yes, list issue	V			
Pre-sampling observations or is noted by AECOM samplers:		NA		
Post-sampling observation or is noted by AECOM samplers:	sues	MA		

Attachment:



AECOM . 430 National Business Parkway, Suite 190 410.379.6901 Annapolis Junction, Maryland 20701

410.379.6900

tel fax



POTABLE WELL INFORMATION FORM I Gross of skill blerow sW 8

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. IFYES.

Date: 12-15-2020	Property Address: 20	9 Fallston Ro	
1. Indicate your relationship to this prop		nsiefic Involues aco	1
Property Owner Renter/Lesse	ee Other (please explain	editnent Filter arbon Filter (ni)
Please provide your contact information	and address.	ʻurbidity canoval Madjashnent Vainfeetion	q
NAME: Jean Chenword	th, Charles o		
MAILING ADDRESS: 2019 Fail	19 ton Rd	Fallston 210c	÷7
PHONE #: 410 692 2135	(home) 410 879 9	6 8 8 (work)	(cell)
Please circle the phone	number above that you p	refer we use to contact you.	7
E-MAIL ADDRESS: 1 chen ω	orth a hot ,	nail, com	
If you are a renter or tenant, please provi	ding ank	Faucet on hol	
			IFNO.
PROPERTY ADDRESS:	(home)	(work)	(cell)
PHONE #:	_ (nome)	A CI "howcol regiquesh	ai owd W
2. Is any of the water used at the reside (If NO, please stop here and return f3. What is the depth of the well?	y to collect a water sa (mro	c at this location on a weekda	
4. Please provide the well permit numb	per:	_ Check here if unknown:_	L
5. Does the well supply water for any of If YES, how many?		YES	O Unknown
6. Do you use the well water for drinki	ng and/or cooking?	YES	NO
If NO, what is the source of your dr	inking/cooking water?		
7. Do you use the well water for:	bathing? washing clothes? lawn/garden/irriga	tion? YES	NO NO

Do you h	ave any treatment system(s) on the well?							
Do you n								
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 season on the three terms of the three terms of the term							
	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							
If NO,	Treatment system can be shut off							
100 V.	ere an outside spigot from which we can take a sample?							

- 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?
- 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

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	2414 Pleasantuille	Road
Written Access Agreement Obtain	ned ahead of time (Y/N):	Y
Date of Sampling: 3/15/2	,(
Primary AECOM Sampler/Leader:	Emply LILA	
Secondary AECOM Sampler/Helpe	er: Steve Strausha	w ^U
Verbal verification that occupant a NO, then sampling should not be	approved sampling (Y/N – <i>if</i>	Y
Any identified issues pre-samplin	ıg (Y/N):	N
If YES, list issue		
Sampling location (outside tap, ki	itchen tap, etc.)	Outside spigot
Picture taken of sampling location	n (Y/N – if no then why)	8
If NO, list issue		
Is there a water treatment system		N
Sample from Pre-or post-water tre	eatment system	X
Any issues with water flow or san	mpling collection (Y/N)	2
If YES, list issue		
Any issues with water quality (clo (Y/N)	oudy, odor, sediment, etc.)	\sim
If YES, list issue		
Any post sampling issues with or	ccupant (Y/N)	N
If yes, list issue		
Pre-sampling observations or iss noted by AECOM samplers:	NA	
Post-sampling observation or iss noted by AECOM samplers:	sues NA	

Attachment:



AECOM430 National Business Parkway, Suite 190 Annapolis Junction, Maryland 20701

410.379.6900 410.379.6901 tel fax

POTABLE WELL INFORMATION FORM

Please complete the questions below by writing the answer in the space provided or by circling the most

appropriate re	esponse, and return this for	m to us within 5 day	vs of receipt.		
Date: / 2/	ur relationship to this prop	Property Address:	2418 P/245	Aviv. 1/2 Rd	
1. Indicate yo	ur relationship to this prop	erty. (Circle one)		En 1/5/10.	1 21097.
Property O	wner Renter/Lesse	e Other (pleas	e explain)		
Please provide	your contact information	and address.			
NAME:	Jolfs Q	VIngzes			
MAILING AI	DDRESS: 2418 PI	EASONTO112	pl Fallsp.	21047	
PHONE #:	DDRESS: 2418 P1 110459-9856	_ (home)	(worl	k)	(cell)
	Please circle the phone	number above tha	t you prefer we use to		
E-MAIL ADD	PRESS: JQuide	ver (Comc	21. NET		
If you are a re	nter or tenant, please provi	de the owner's cont	act information.		_
PROPERTY A	ADDRESS:				
		-(home)	(wo	ork)	(cell
2. Is any of t	he water used at the resider case stop here and return fo	"	ell?	NO NO	
3. What is th	e depth of the well?	Po feet	Check here if unknow	m:	
4. Please pro	vide the well permit numb	er:	Check here i	if unknown:	/
5. Does the v	well supply water for any o	ther residences?		YES NO	Unknown
6. Do you us	e the well water for drinkir	ng and/or cooking?		YES NO	
If NO, wh	at is the source of your drin	nking/cooking water	r?		
7. Do you us	e the well water for:	bathing? washing clo lawn/garder	othes? n/irrigation?	YES NO	



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

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8.						
	Do you have any treatment system(s) on the well?					
	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? NO					
	Where	e is the spigot located? DRIVENTY S: D2 of Ibnz				
9.		ot take an untreated sample from the outside spigot, would it be possible to select one at this location on a weekday to collect a water sample?	dule a meeting NO			

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

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	210	11 Fallston Roal	
Written Access Agreement Obta	ined ahe	ead of time (Y/N):	Y
Date of Sampling:	115/	21	
Primary AECOM Sampler/Leader	r:	Emaly Cales	
Secondary AECOM Sampler/Help	per:	Steve Strausb	44
Verbal verification that occupant NO, then sampling should not be			51
Any identified issues pre-sampli	ing (Y/N)	:	\mathcal{N}
If YES, list issue			
Sampling location (outside tap, l	kitchen 1	tap, etc.)	Utility room sink
Picture taken of sampling location (Y/N – if no then why)			8
If NO, list issue	53,12-11		
Is there a water treatment system	m		No
Sample from Pre-or post-water t	reatmen	t system	
Any issues with water flow or sa	ampling	collection (Y/N)	N
If YES, list issue			×
Any issues with water quality (c (Y/N)	loudy, o	dor, sediment, etc.)	N
If YES, list issue			V
Any post sampling issues with o	occupan	t (Y/N)	N
If yes, list issue		1	
Pre-sampling observations or is noted by AECOM samplers:		~/^	
Post-sampling observation or is noted by AECOM samplers:	sues	NIA	

Attachment:



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

410.379.6900

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POTABLE WELL INFORMATION FORM Persua of add bileow 5 W

Please complete the questions below by wri	ting the answer in the space	provided or by circling	g the n	nost
appropriate response, and return this form to			_	11715
Date: December 9,2020 Pr	operty Address: 2400 Ple	apantiville Gd.	Tall	loton MD.
1. Indicate your relationship to this property	. (Circle one)			Alon
Property Owner Renter/Lessee	Other (please explain)	odiasent F Bor intion Filt at		
Please provide your contact information and	address	in bidaty removal. Haday stanta		
•		isintection	i	
NAME: Benjamin D. Orla	ndo	hjomotion.		
MAILING ADDRESS: P.O. Box 2				
PHONE #: 410-557-7000				(cell)
	mber above that you prefer			
E-MAIL ADDRESS: CMR 1000 @ (Del. Com	10 jo 10 5 80 m		
If you are a renter or tenant, please provide t	he owner's contact informati	on.		
21 you are a reason of comment, promote processes	n nasonaen n holdma tunk			
NAME:	ni system can be shut eff	Treatme		OVIL
PROPERTY ADDRESS:	Palana a sala masa a laid	- mail studies distance	n want	3.2%. TI
PHONE #:(l				(cell
 Is any of the water used at the residence (<u>If NO</u>, <u>please stop here and return form</u> 	supplied by a well?	YES NO		o If we a
3. What is the depth of the well?	feet Check here	if unknown:		
4. Please provide the well permit number:	Cl	neck here if unknown:_		
5. Does the well supply water for any other If YES, how many?		YES	NO	Unknown
6. Do you use the well water for drinking a		YES	NO	
ISNO what is the source of your drinks	ind/or cooking?	123	110	
If NO, what is the source of your drinking	nd/or cooking? ng/cooking water?		110	
7. Do you use the well water for:	ng/cooking water?bathing?	YES	NO	
	ng/cooking water?			



410.379.6900 410.379.6901

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"secretivative in "the producting of Application and might a



8.	We would like to sample untreated water.					
	Do you hav	we any treatment system(s) on the well?				
	If YES,	transport of the second section of the second secon				
	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				
		Acid neutralizer Other: (please specify):				
		Other. (please specify).				
	ъ.	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,	ALIZ 800 L2Y 60				
	Is there	e an outside spigot from which we can take a sample? YES NO				
	Where	is the spigot located?				
	WHELE	is the spigot located:				
9.	If we canno	ot take an untreated sample from the outside spigot, would it be possible to schedule a meetin	12			
		one at this location on a weekday to collect a water sample? YES NO	6			
10.	Please prov	vide any other information that you feel would be helpful for us to know about your well.	1			

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston
State: Maryland

Residential Address:	2118	Falkstin Road		
Written Access Agreement Obta	ined ahe	ead of time (Y/N):	V	
Date of Sampling: 315	21			
Primary AECOM Sampler/Leader	r:	Enily LIN		
Secondary AECOM Sampler/Hel	per:	Enily Lilly Stare Stro	rusbar 4	
Verbal verification that occupant NO, then sampling should not be			8	
Any identified issues pre-sampli	ing (Y/N)):	\sim	
If YES, list issue				***************************************
Sampling location (outside tap,	kitchen	tap, etc.)	Kitche	Tap
Picture taken of sampling location (Y/N – if no then why)				9
If NO, list issue				
Is there a water treatment system	m		Yes	(sediment)
Sample from Pre-or post-water t	reatmen	it system	P	(sediment)
Any issues with water flow or sa	mpling	collection (Y/N)	N	
If YES, list issue				
Any issues with water quality (c (Y/N)	loudy, o	dor, sediment, etc.)	N	
If YES, list issue				2
Any post sampling issues with o	occupan	t (Y/N)	\sim	-
If yes, list issue				*
Pre-sampling observations or is noted by AECOM samplers:		NA		
Post-sampling observation or is noted by AECOM samplers:	sues	NIA		

Attachment:

410.379.6900 410.379.6901 tel fax

POTABLE WELL INFORMATION FORM

Ple	ase complete the questions below by writing the answer in the space provided or by circling the most
	propriate response, and return this form to us within 5 days of receipt.
Da	e: 12/2/2020 Property Address: 2118 Fallston Rd
1.	Indicate your relationship to this property. (Circle one)
	Property Owner Renter/Lessee Other (please explain)
Ple	ase provide your contact information and address.
NA	ME: Dennis + Jane Swiger Alling Address: 2118 Fallston Rd Fallston, MD 21047
M	AILING ADDRESS: 2118 Fallston Rd Fallston, MD 21047
PH	ONE #:(home)(work) <u>443-324-7543</u> (cell
	Please circle the phone number above that you prefer we use to contact you.
E-I	MAIL ADDRESS: Neverhomejane @gmail.com Neverhomeden Egmail.com
·	ou are a renter or tenant, please provide the owner's contact information. ME:
	OPERTY ADDRESS:
PH	ONE #:(work)(cell
	Is any of the water used at the residence supplied by a well? (If NO, please stop here and return form) 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? If YES, how many?
6.	Do you use the well water for drinking and/or cooking?
	If NO, what is the source of your drinking/cooking water?
7.	Do you use the well water for: bathing? washing clothes? lawn/garden/irrigation? VES NO NO NO



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

410.379.6900 410.379.6901 tel fax

8.	We would	like to sample untreated water.		
		re any treatment system(s) on the well?	YES	NO
	If YES,	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 so YES NO NOT SURE If YES, how can the system be bypassed? (Circle all that apply)	ample?	
	If NO ,	Outside spigot bypasses treatment Faucet in basement Faucet on holding tank Treatment system can be shut off		
	Is there	e an outside spigot from which we can take a sample?		NO
	Where	is the spigot located? hack of home to right of slep	<i>S</i>	
9.		ot take an untreated sample from the outside spigot, would it be possibone at this location on a weekday to collect a water sample?		e a meeting NO
10.	Please prov	ride any other information that you feel would be helpful for us to kno	w about your	well.

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	ZMIU Pleasantuille Road
Written Access Agreement Obta	ined ahead of time (Y/N):
Date of Sampling: 3/15/2	1 No sample
Primary AECOM Sampler/Leader	
Secondary AECOM Sampler/Hel	per:
Verbal verification that occupant NO, then sampling should not be	•••
Any identified issues pre-sampli	ing (Y/N):
If YES, list issue	
Sampling location (outside tap,	kitchen tap, etc.)
Picture taken of sampling location	on (Y/N – if no then why)
If NO, list issue	
Is there a water treatment system	n
Sample from Pre-or post-water t	reatment system
Any issues with water flow or sa	ampling collection (Y/N)
If YES, list issue	· · · · · · · · · · · · · · · · · · ·
Any issues with water quality (c (Y/N)	loudy, odor, sediment, etc.)
If YES, list issue	
Any post sampling issues with o	occupant (Y/N)
If yes, list issue	
Pre-sampling observations or is noted by AECOM samplers:	7,700 07 000
Post-sampling observation or is noted by AECOM samplers:	sues

Attachment:

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	7322 Pleasantville Mead					
Written Access Agreement Obta	ined ahead of time (Y/N):					
Date of Sampling: 3/11/2						
Primary AECOM Sampler/Leader						
Secondary AECOM Sampler/Hel	per:					
Verbal verification that occupant NO, then sampling should not be						
Any identified issues pre-sampli	ny 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	n					
Sample from Pre-or post-water t	reatment system					
Any issues with water flow or sa	mpling collection (Y/N)					
If YES, list issue						
Any issues with water quality (c (Y/N)	oudy, odor, sediment, etc.)					
If YES, list issue						
Any post sampling issues with o	occupant (Y/N)					
If yes, list issue						
Pre-sampling observations or is noted by AECOM samplers:	he attempted to contact property owner but					
Post-sampling observation or is noted by AECOM samplers:	sues has sotten no response. He was not confortalk providing the owner's contact info until					
	he can task to be form					

Attachment:

7-Eleven Store # 22281 Address: 2400 Pleasantville Road

City: Fallston State: Maryland



Residential Address:	2300 Pleasantuile
Written Access Agreement Obta	nined ahead of time (Y/N):
Date of Sampling:	
Primary AECOM Sampler/Leade	r:
Secondary AECOM Sampler/Hel	per:
Verbal verification that occupan NO, then sampling should not b	
Any identified issues pre-sample	ing (Y/N):
If YES, list issue	
Sampling location (outside tap,	kitchen tap, etc.)
Picture taken of sampling location	on (Y/N – if no then why)
If NO, list issue	
there a water treatment system	m
Sample from Pre-or post-water t	reatment system
Any issues with water flow or sa	ampling collection (Y/N)
If YES, list issue	
Any issues with water quality (c (Y/N)	loudy, odor, sediment, etc.)
If YES, list issue	
Any post sampling issues with o	occupant (Y/N)
If yes, list issue	
Pre-sampling observations or is noted by AECOM samplers:	
Post-sampling observation or is noted by AECOM samplers:	sues

Attachment:

Copy of site-specific signed Residential Access Agreement

agreement 3rd Notification off to renter.

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	Z414 Pleasantville Road					
Written Access Agreement Obta	ined ahead of time (Y/N):					
Date of Sampling: $5/10/7$						
Primary AECOM Sampler/Leader	r:					
Secondary AECOM Sampler/Hel	per:					
Verbal verification that occupant NO, then sampling should not be	t approved sampling (Y/N – <i>if</i> e performed):					
Any identified issues pre-sampli	ng (Y/N):					
If YES, list issue						
Sampling location (outside tap, kitchen tap, etc.)						
Picture taken of sampling location	on (Y/N – if no then why)					
If NO, list issue						
there a water treatment system	n					
Sample from Pre-or post-water to	reatment system					
Any issues with water flow or sa	mpling collection (Y/N)					
If YES, list issue						
Any issues with water quality (cl (Y/N)	oudy, odor, sediment, etc.)					
If YES, list issue						
Any post sampling issues with o	occupant (Y/N)					
If yes, list issue						
Pre-sampling observations or issnoted by AECOM samplers:	MINKE OFF 10 DOCTOR - SOLL HIGHE					
Post-sampling observation or iss noted by AECOM samplers:	sues the owner 531 and mail back to us					

Attachment:

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Deside of death and as a	240	ou Pleasantville	Road				
Residential Address:							
Written Access Agreement Obta	ined ahea	ad of time (Y/N):					
Date of Sampling: 3/15/2	? 1 /	UD SAMPLE					
Primary AECOM Sampler/Leader	r						
Secondary AECOM Sampler/Hel	per:						
	/erbal verification that occupant approved sampling (Y/N – <i>if</i> NO, then sampling should not be performed):						
Any identified issues pre-sampli	ng (Y/N):						
If YES, list issue							
Sampling location (outside tap,	kitchen ta	ap, etc.)					
Picture taken of sampling location	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 t	Sample from Pre-or post-water treatment system						
Any issues with water flow or sa	mpling c	collection (Y/N)					
If YES, list issue							
Any issues with water quality (c (Y/N)	loudy, od	dor, sediment, etc.)					
If YES, list issue							
Any post sampling issues with o	occupant	: (Y/N)					
If yes, list issue		्र					
Pre-sampling observations or is noted by AECOM samplers:		with clear instructi	AA packed with the recentionish was to give the TAA				
Post-sampling observation or is noted by AECOM samplers:	sues	to the owner.					

Attachment:

7-Eleven Store # 22281

Address: 2400 Pleasantville Road

City: Fallston State: Maryland

Residential Address:	2 num Pleasantuille 12001					
Weitten Acces Agreement Obta-						
Written Access Agreement Obta	ined ahead of time (Y/N):					
Date of Sampling: $5/10/71$						
Primary AECOM Sampler/Leade	r:					
Secondary AECOM Sampler/Hel	per:					
Verbal verification that occupant NO, then sampling should not be	t approved sampling (Y/N – <i>if</i> e performed):					
Any identified issues pre-sampli	ng (Y/N):					
If YES, list issue						
Sampling location (outside tap, l	kitchen tap, etc.)					
Picture taken of sampling location	on (Y/N – if no then why)					
If NO, list issue						
.J there a water treatment syster	n					
Sample from Pre-or post-water t	reatment system					
Any issues with water flow or sa	mpling collection (Y/N)					
If YES, list issue						
Any issues with water quality (cl (Y/N)	oudy, odor, sediment, etc.)					
If YES, list issue						
Any post sampling issues with o	occupant (Y/N)					
If yes, list issue	•					
Pre-sampling observations or is noted by AECOM samplers:	Dir informas was int in.					
Post-sampling observation or is noted by AECOM samplers:	sues					

Attachment:

Attachment C Sampling Photolog



Client Name:

7-Eleven, Inc.

Site Location: 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland

Project No. 60144763

Photo No.

Date: 1 3/15/21

Direction Photo Taken:

N/A

Description:

2019 Fallston Road sample collection.



Photo No. 2

Date: 3/15/21

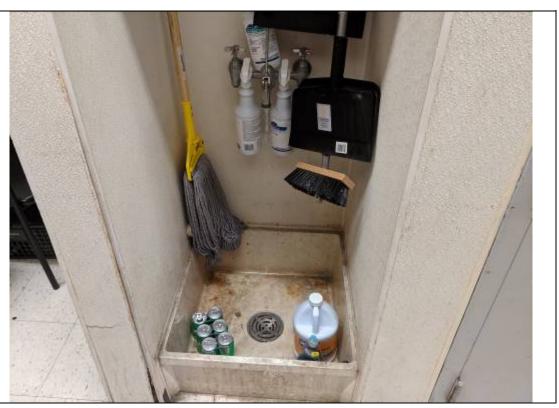
Direction Photo

Taken:

N/A

Description:

2101 Fallston sample collection





Client Name: 7-Eleven, Inc.

Site Location: 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland

Project No. 60144763

Photo No.

Date: 3/15/21

Direction Photo Taken:

N/A

Description:

2108 Fallston Road sample collection.



Photo No.

Date: 3/15/21

Direction Photo Taken:

N/A

Description:

2402 Pleasantville Road sample collection.





Client Name:

7-Eleven, Inc.

Site Location: 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland

Project No. 60144763

Photo No. **5**

lo. Date: 4/26/21

Direction Photo Taken:

N/A

Description:

2403 Pleasantville Road sample collection.



Photo No.

Date: 4/26/21

Direction Photo Taken:

N/A

Description:

2410 Pleasantville Road sample collection.





Client Name: 7-Eleven, Inc.

Site Location: 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland

Project No. 60144763

Photo No.

Date: 4/26/21

Direction Photo Taken:

N/A

Description:

2318 Pleasantville Road sample collection.

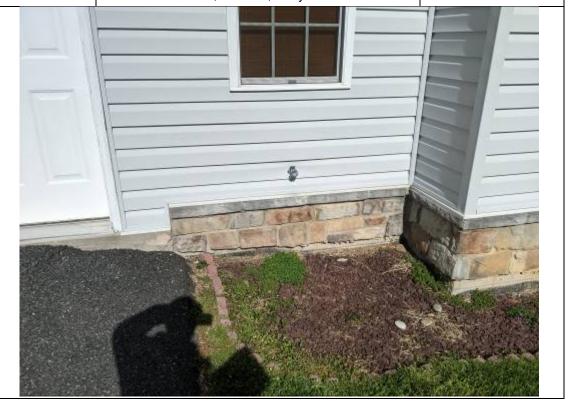


Photo No.

Date: 3/15/21

Direction Photo Taken:

N/A

Description:

2320 Pleasantville Road sample collection.





Client Name: 7-Eleven, Inc.

Site Location: 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland

Project No. 60144763

Photo No.

Date: 3/15/21

Direction Photo Taken:

N/A

Description:

2418 Pleasantville Road sample collection.

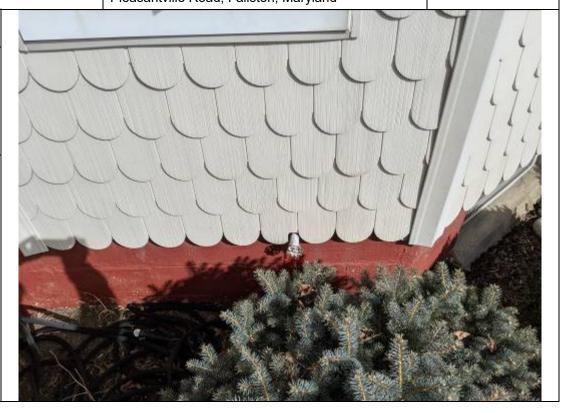


Photo No.

Date: 3/15/21

Direction Photo Taken:

N/A

Description:

2118 Fallston Road sample collection.





Client Name: 7-Eleven, Inc.

Site Location: 7-Eleven Store #22281, 2400 Pleasantville Road, Fallston, Maryland

Project No. 60144763

Photo No.

Date: 4/26/21

Direction Photo Taken:

N/A

Description:

2118 Round Hill Road sample collection.

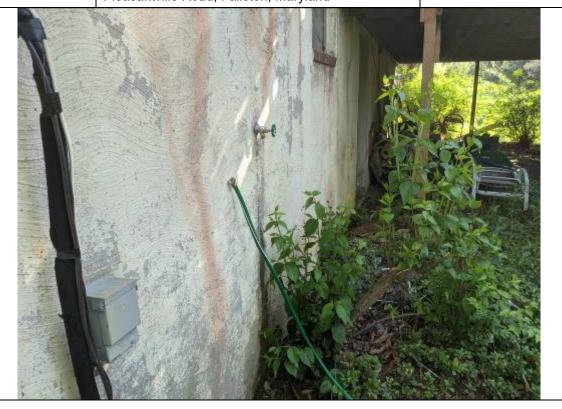


Photo No.

Date: 5/10/21

Direction Photo Taken:

N/A

Description:

2120 Round Hill Road sample collection.



Attachment D Analytical Laboratory Reports



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

-----LINKS

Review your project results through

Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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

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Table of Contents	2
Case Narrative	3
Detection Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	8
Surrogate Summary	9
QC Association	10
QC Sample Results	11
Chronicle	16
Method Summary	17
Certification Summary	18
Chain of Custody	19
Receipt Checklists	21

Case Narrative

Client: AECOM

Job ID: 400-203296-1 Project/Site: 7-11 No 22281 (MD)

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 0.3° C.

GC/MS VOA

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

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Detection Summary

 Client: AECOM
 Job ID: 400-203296-1

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

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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 Results

Client: AECOM Job ID: 400-203296-1 Project/Site: 7-11 No 22281 (MD) 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

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

Allalyte	Result Qua	illei KL	MDL OIII	D Frepareu	Allalyzeu	DII Fac
1,1,1,2-Tetrachloroethane	ND 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	
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	
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	
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	· · · · · · · · · · · · · · · · · · ·
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	· · · · · · · · · · · · · · · · · · ·
Hexachlorobutadiene	ND	0.500	ug/L		05/19/21 16:59	1
Isopropylbenzene	ND ND	0.500	ug/L		05/19/21 16:59	1
Methylene Chloride	ND	0.500			05/19/21 16:59	
Naphthalene	ND ND	1.00	ug/L		05/19/21 16:59	
•	ND ND	0.500	ug/L		05/19/21 16:59	1
n-Butylbenzene			ug/L			1
N-Propylbenzene	ND 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	
Styrene	ND	0.500	ug/L		05/19/21 16:59	1

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5/20/2021

Client Sample Results

 Client: AECOM
 Job ID: 400-203296-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	MD		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

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Definitions/Glossary

Client: AECOM Job ID: 400-203296-1

Project/Site: 7-11 No 22281 (MD) SDG: Fallston, MD

Glossary

MDA

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"

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)

Minimum Detectable Activity (Radiochemistry)

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit**

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

Reporting Limit or Requested Limit (Radiochemistry) RL

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Surrogate Summary

Job ID: 400-203296-1 Client: AECOM

Project/Site: 7-11 No 22281 (MD) SDG: Fallston, MD

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

Matrix: Water Prep Type: Total/NA

			Perce	ent 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	

BFB = 4-Bromofluorobenzene

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

QC Association Summary

Client: AECOM

Job ID: 400-203296-1 SDG: Fallston, MD Project/Site: 7-11 No 22281 (MD)

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	

Client: AECOM Job ID: 400-203296-1 Project/Site: 7-11 No 22281 (MD) SDG: Fallston, MD

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

Lab Sample ID: MB 680-669198/8

Matrix: Water

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

Analysis Batch: 669198	MB	MB						
Analyte	Result	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	
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	
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

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Client: AECOM

Job ID: 400-203296-1 Project/Site: 7-11 No 22281 (MD) SDG: Fallston, MD

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

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	MD		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

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

Lab Sample ID: LCS 680-669198/3

Matrix: Water

Analysis Batch: 669198

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

Analysis Batch: 669198								
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

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Client: AECOM Job ID: 400-203296-1 Project/Site: 7-11 No 22281 (MD) SDG: Fallston, MD

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

Analysis Batch. 609190	Spike	1.00	LCS				%Rec.
Analyte	Added		Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	21.81	- Guainioi	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 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	20.20		ug/L		105	70 - 130
Chloromethane	20.0	23.53		ug/L ug/L		118	70 - 130 70 - 130
cis-1,2-Dichloroethene	20.0	20.77		ug/L ug/L		104	70 - 130 70 - 130
cis-1,3-Dichloropropene	20.0	20.77		ug/L ug/L		104	70 - 130
Dibromomethane	20.0	20.30				103	70 - 130 70 - 130
				ug/L			70 - 130 70 - 130
Dichlorodifluoromethane	20.0	22.19		ug/L		111	
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

LCS LCS

Surrogate	%Recovery Qual	ifier Limits
4-Bromofluorobenzene	89	70 - 130
1,2-Dichlorobenzene-d4 (Surr)	105	70 - 130

5/20/2021

 Client: AECOM
 Job ID: 400-203296-1

 Project/Site: 7-11 No 22281 (MD)
 SDG: Fallston, MD

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

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

Eurofins TestAmerica, Pensacola

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Client: AECOM Job ID: 400-203296-1 Project/Site: 7-11 No 22281 (MD) SDG: Fallston, MD

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

Spike	LCSD	LCSD				%Rec.		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
20.0	20.25		ug/L		101	70 - 130	4	20
20.0	19.95		ug/L		100	70 - 130	0	20
20.0	20.43		ug/L		102	70 - 130	3	20
20.0	20.24		ug/L		101	70 - 130	0	20
20.0	21.29		ug/L		106	70 - 130	12	20
20.0	20.22		ug/L		101	70 - 130	5	20
20.0	22.15		ug/L		111	70 - 130	2	20
20.0	23.30		ug/L		117	70 - 130	0	20
20.0	22.52		ug/L		113	70 - 130	6	20
16.0	15.42		ug/L		96	70 - 130	3	20
16.0	17.58		ug/L		110	70 - 130	1	20
20.0	20.35		ug/L		102	70 - 130	3	20
40.0	39.95		ug/L		100	70 - 130	1	20
16.0	15.77		ug/L		99	70 - 130	1	20
200	188.8		ug/L		94	70 - 130	2	20
	Added 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 40.0 16.0 16.0 16.0	Added Result 20.0 20.25 20.0 19.95 20.0 20.43 20.0 20.24 20.0 21.29 20.0 22.15 20.0 23.30 20.0 22.52 16.0 15.42 16.0 17.58 20.0 20.35 40.0 39.95 16.0 15.77	Added Result Qualifier 20.0 20.25 20.0 19.95 20.0 20.43 20.0 20.24 20.0 21.29 20.0 22.12 20.0 22.15 20.0 23.30 20.0 22.52 16.0 15.42 16.0 17.58 20.0 20.35 40.0 39.95 16.0 15.77	Added Result Qualifier Unit 20.0 20.25 ug/L 20.0 19.95 ug/L 20.0 20.43 ug/L 20.0 20.24 ug/L 20.0 21.29 ug/L 20.0 20.22 ug/L 20.0 22.15 ug/L 20.0 23.30 ug/L 20.0 22.52 ug/L 16.0 15.42 ug/L 16.0 17.58 ug/L 40.0 39.95 ug/L 40.0 39.95 ug/L 16.0 15.77 ug/L	Added Result Qualifier Unit D 20.0 20.25 ug/L ug/L 20.0 19.95 ug/L ug/L 20.0 20.43 ug/L ug/L 20.0 20.24 ug/L ug/L 20.0 21.29 ug/L ug/L 20.0 22.15 ug/L ug/L 20.0 23.30 ug/L ug/L 20.0 22.52 ug/L ug/L 16.0 17.58 ug/L ug/L 20.0 20.35 ug/L ug/L 40.0 39.95 ug/L ug/L 16.0 15.77 ug/L ug/L	Added Result Qualifier Unit D %Rec 20.0 20.25 ug/L 101 20.0 19.95 ug/L 100 20.0 20.43 ug/L 102 20.0 20.24 ug/L 101 20.0 21.29 ug/L 106 20.0 20.22 ug/L 101 20.0 22.15 ug/L 111 20.0 23.30 ug/L 117 20.0 22.52 ug/L 113 16.0 15.42 ug/L 96 16.0 17.58 ug/L 110 20.0 20.35 ug/L 102 40.0 39.95 ug/L 100 16.0 15.77 ug/L 99	Added Result Qualifier Unit D %Rec Limits 20.0 20.25 ug/L 101 70 - 130 20.0 19.95 ug/L 100 70 - 130 20.0 20.43 ug/L 102 70 - 130 20.0 20.24 ug/L 101 70 - 130 20.0 21.29 ug/L 106 70 - 130 20.0 22.15 ug/L 111 70 - 130 20.0 22.15 ug/L 111 70 - 130 20.0 23.30 ug/L 117 70 - 130 20.0 22.52 ug/L 113 70 - 130 16.0 15.42 ug/L 96 70 - 130 20.0 20.35 ug/L 110 70 - 130 20.0 20.35 ug/L 100 70 - 130 40.0 39.95 ug/L 100 70 - 130 40.0 15.77 ug/L 99 70 - 130 <td>Added Result Qualifier Unit D %Rec Limits RPD 20.0 20.25 ug/L 101 70 - 130 4 20.0 19.95 ug/L 100 70 - 130 0 20.0 20.43 ug/L 102 70 - 130 3 20.0 20.24 ug/L 101 70 - 130 0 20.0 21.29 ug/L 106 70 - 130 12 20.0 20.22 ug/L 101 70 - 130 5 20.0 22.15 ug/L 111 70 - 130 2 20.0 23.30 ug/L 117 70 - 130 0 20.0 22.52 ug/L 113 70 - 130 3 16.0 15.42 ug/L 96 70 - 130 3 16.0 17.58 ug/L 110 70 - 130 3 40.0 39.95 ug/L 100 70 - 130 1 <t< td=""></t<></td>	Added Result Qualifier Unit D %Rec Limits RPD 20.0 20.25 ug/L 101 70 - 130 4 20.0 19.95 ug/L 100 70 - 130 0 20.0 20.43 ug/L 102 70 - 130 3 20.0 20.24 ug/L 101 70 - 130 0 20.0 21.29 ug/L 106 70 - 130 12 20.0 20.22 ug/L 101 70 - 130 5 20.0 22.15 ug/L 111 70 - 130 2 20.0 23.30 ug/L 117 70 - 130 0 20.0 22.52 ug/L 113 70 - 130 3 16.0 15.42 ug/L 96 70 - 130 3 16.0 17.58 ug/L 110 70 - 130 3 40.0 39.95 ug/L 100 70 - 130 1 <t< td=""></t<>

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	89		70 - 130
1.2-Dichlorobenzene-d4 (Surr)	108		70 - 130

Lab Chronicle

Job ID: 400-203296-1 Client: AECOM Project/Site: 7-11 No 22281 (MD) 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

Lab Sample ID: MB 680-669198/8

Lab Sample ID: LCS 680-669198/3

Lab Sample ID: LCSD 680-669198/4

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type **Factor** Amount **Amount** Number or Analyzed Run Analyst Lab Total/NA Analysis 524.2 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Accreditation/Certification Summary

Client: AECOM

Job ID: 400-203296-1 Project/Site: 7-11 No 22281 (MD) 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 Da
	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.=""></cert>	06-30-21
Illinois	NELAP	200022	11-30-21
Indiana	State	C-GA-02	06-30-21
lowa	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.=""></cert>	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

 $^{^{\}star} \ \text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

Carrier Tracking No(s):

hone (850) 474-1001 Fax (850) 478-2671

ensacola, FL 32514

0 - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate Special Instructions/Note: W - pH 4-5 Z - other (specify) Months U - Acetone V - MCAA Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont
Special Instructions/QC Requirements: Company Preservation Codes A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
F - ManSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid J - DI Water K - EDTA L - EDA Total Number of containers Date/Time Date/Time: Date/Time: **Jethod of Shipment** Analysis Requested Cooler Temperature(s) % and Other Remarks: Lab PM:
Evans, Lauren 400-203296 COC
E-Mai:
lauren evans@testamericainc.com 400-203296 COC Received by: Received by Received by × SA4.2 Preserved Revision 3 Stamdard List = Oxys Time: Field Filtered Sample (Yes or No) BT=Tissue, A=Air) (W=water, S=solid, O=waste/oil, Preservation Code: Matrix ≥ Company Company Radiological Type (C=comp, G=grab) Sample G 4:30 ar Po#: Purchase Order Requested Sample Unknown Date: Sampler: Steve Strausbaugh (AT Requested (days): Due Date Requested: Phone: 717-965-1329 Sample Date Date/Time: 5/10/21 Project #: 49002890 SSOW#: Date/Time: Date/Time: Poison B Skin Irritant Jeliverable Requested: I, II, III, IV, Other (specify) Custody Seals Intact: Custody Seal No. Grands A | Flammable Possible Hazard Identification 130 National Business Parkway Roons Hill Rachael. Allen@aecom.com mpty Kit Relinquished by: '-Eleven 22281 Maryland Relinquished by: Slient Information Sample Identification Annapolis Junction 301-289-3819(Tel) Non-Hazard As.Rachael Allen allston Maryland Relinquished by: 2 Relinquished by: itate, Zip: AD, 20701 VECOM!

Eurofins TestAmerica, Pensacola Pensacola, FL 32514 3355 McLemore Drive

Environment Testing

seurofins 🔆 eurofins

Chain of Custody Record

TIONE: 000-4/4-1001 Fax. 000-4/0-20/											
	Sampler:	Lab PM	-Mc				Carrier Tracking No(s)	Id No(s):		COC No:	
Client Information (Sub Contract Lab)	_	Eva	Evans, Lauren R	~						400-268188.1	
Client Contact:	Phone:	E-Mail:				0,	State of Origin			Page:	
Shipping/Receiving		Lau	Lauren.Evans@Eurofinset.com	Eurofinse	t.com		Maryland			Page 1 of 1	
Company:			Accreditations Required (See note)	S Required (See note):					# dol	
TestAmerica Laboratories, Inc.										400-203296-1	
Address:	Due Date Requested:									Preservation Codes:	odes:
STOZ KANDCITE AVEITUE,	5/20/2021				Analys	Analysis Kequested	rested			A HO!	N
City: Savannah	TAT Requested (days):		+15					_		B - NaOH	N - None
State, Zip: GA, 31404			ird Li							D - Nitric Acid	P - Na204S O - Na2SO3
			·ρι		_	_	_	_		F - MeOH	R - Na2S203
[912-354-7858(Tel) 912-352-0165(Fax)	*		(d							G - Amchlor	
Email:	WO#:							-		H - Ascorbic Acid	1 - 1 SP Dodecanydrate U - Acetone
			ON	_			-	_	8.	J - DI Water	V - MCAA
Project Name:	Project #:		(Yes					_	ionfi	K - EDTA	W - pH 4-5 7 - other (specify)
7-11 NO 22281 (MU)	40012890		50,		_		_	_	B)L	2	Caronical (specify)
Site:	**NOSS		OM) /ps						oj coi	Other:	
Samble Identification - Client ID (Lab ID)	Sample (C=	Sample (Winnester. Type Sample. C=Comp, O-wester().	Field Filtered MSM morro S.4.2. Preserve						nedmuM lato		2
		Bide) Bisimen and					1		4	Special	Special instructions/Note:
		Preservation Code:	X						<u>×</u>		
	46.20						-				

Note: Since laboratory accreditations are subject to change. Eurofins TestAmerica places the ownership of method, analyte & accreditation 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/lests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditations 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

		Ď.	imple Disposal (A ree may be assess	Sample Disposal (A ree may be assessed it samples are retained longer than 1 month)	month)
Unconfirmed			Return To Client Disposal By Lab	By Lab Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Š	Requ		
Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Reinguished by C. C.	Daja/Time: 1600	Company	Received by:	Date/Time	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:	5.1/31	
					Ver: 11/01/2020

×

Water

Eastern

5/10/21

2120 ROUND HILL ROAD (400-203296-1)

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

Login Number: 203296 List Source: Eurofins TestAmerica, Pensacola

List Number: 1

Client: AECOM

Creator: Perez, Trina M

Creator: Perez, Irina M		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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	

Eurofins TestAmerica, Pensacola

Page 21 of 22

5/20/2021

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

Login Number: 203296

List Source: Eurofins TestAmerica, Savannah

List Number: 2

Client: AECOM

List Creation: 05/14/21 12:25 PM

Creator: Mooken, Darmal

Creator: Mooken, Darmai		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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	



Environment Testing America

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

.....LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Definitions/Glossary

Client: AECOM Job ID: 680-196294-1

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

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

Duplicate Error Ratio (normalized absolute difference) **DER**

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)

Estimated Detection Limit (Dioxin) **EDL** 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 Method Quantitation Limit MQL

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**

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC**

Eurofins TestAmerica, Savannah

3/24/2021

Page 2 of 30

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	Asse
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	

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Case Narrative

Client: AECOM Job ID: 680-196294-1

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

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 4.5° 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.

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Client: AECOM Job ID: 680-196294-1

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

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

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

Eurofins TestAmerica, Savannah

Page 5 of 30 3/24/2021

Client: AECOM Job ID: 680-196294-1

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

Date Received: 03/16/21 10:20

4-Bromofluorobenzene

1,2-Dichlorobenzene-d4 (Surr)

Client Sample ID: 2019 Fallston Road

Date Collected: 03/15/21 09:25

Lab Sample ID: 680-196294-1

03/23/21 16:23

03/23/21 16:23

Matrix: Water

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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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

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3/24/2021

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Client: AECOM Job ID: 680-196294-1

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

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

N	lethod:	524.2	- Volatile	Organic	Comp	oui	nds	(GC/MS	3)
					_		_		

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND 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	
1,4-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	
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	
Bromochloromethane	ND	0.500	ug/L		03/23/21 16:51	1
Bromodichloromethane	ND	0.500	ug/L		03/23/21 16:51	
Bromoform	ND	0.500	ug/L		03/23/21 16:51	1
Bromomethane	ND *+	1.00	ug/L		03/23/21 16:51	
Carbon tetrachloride	ND	0.500	ug/L		03/23/21 16:51	
Chlorobenzene	ND	0.500	ug/L		03/23/21 16:51	
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	
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	
Dibromomethane	ND	0.500	ug/L		03/23/21 16:51	
Dichlorodifluoromethane	ND	0.500	ug/L		03/23/21 16:51	1
Ethylbenzene	ND	0.500	ug/L		03/23/21 16:51	
Hexachlorobutadiene	ND	0.500	ug/L		03/23/21 16:51	
Isopropylbenzene	ND	0.500	ug/L		03/23/21 16:51	1
Methylene Chloride	ND	0.500	ug/L		03/23/21 16:51	
Naphthalene	ND ND	1.00	ug/L		03/23/21 16:51	,
n-Butylbenzene	ND	0.500	ug/L		03/23/21 16:51	,
N-Propylbenzene	ND	0.500	ug/L ug/L		03/23/21 16:51	
p-Isopropyltoluene	ND ND	0.500	ug/L ug/L		03/23/21 16:51	,
sec-Butylbenzene	ND ND	0.500	ug/L ug/L		03/23/21 16:51	
Styrene	ND	0.500	ug/L ug/L		03/23/21 16:51	1

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Client: AECOM Job ID: 680-196294-1

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

Client Sample ID: 2101 Fallston Road

Date Collected: 03/15/21 09:40 Date Received: 03/16/21 10:20

1,2-Dichlorobenzene-d4 (Surr)

Lab Sample ID: 680-196294-2

03/23/21 16:51

Matrix: Water

Method: 524.2 - Volatile O	rganic Compounds (GC/N	IS) (Continue	d)			
Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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

70 - 130

102

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Client: AECOM Job ID: 680-196294-1

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

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 Compound	s (GC/MS)
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Analyte	Result Qualifier	RL	MDL Unit	D Prepa	red Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND 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	
1,4-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	
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	
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 ug/L		03/23/21 17:18	
Dibromomethane	ND	0.500	ug/L		03/23/21 17:18	1
Dichlorodifluoromethane	ND ND	0.500	ug/L		03/23/21 17:18	1
Ethylbenzene	ND	0.500	ug/L ug/L		03/23/21 17:18	1
Hexachlorobutadiene	ND ND	0.500			03/23/21 17:18	
Isopropylbenzene	ND ND	0.500	ug/L ug/L		03/23/21 17:18	1
						1
Methylene Chloride	ND ND	0.500	ug/L		03/23/21 17:18	1
Naphthalene n Rutylbonzono	ND ND	1.00	ug/L		03/23/21 17:18	1
n-Butylbenzene		0.500	ug/L		03/23/21 17:18	1
N-Propylbenzene	ND 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 Styrene	ND ND	0.500	ug/L		03/23/21 17:18	1

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Client: AECOM Job ID: 680-196294-1

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

Date Received: 03/16/21 10:20

4-Bromofluorobenzene

1,2-Dichlorobenzene-d4 (Surr)

Client Sample ID: 2418 Pleasantville Road

Date Collected: 03/15/21 09:55

Matrix: Water

Lab Sample ID: 680-196294-3

Matrix: Water

03/23/21 17:18

03/23/21 17:18

Method: 524.2 - Volatil	e Organic Compounds (GC/MS)	(Continued)
Analyte	Result Qualifier	RL

105

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Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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

70 - 130

70 - 130

Client: AECOM Job ID: 680-196294-1

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

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

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	
2-Chlorotoluene	ND	0.500	ug/L			03/23/21 17:46	· · · · · · · · · · · · · · · · · · ·
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 ND	0.500	ug/L ug/L			03/23/21 17:46	1
Bromochloromethane	ND ND	0.500	-			03/23/21 17:46	1
Bromodichloromethane	ND ND	0.500	ug/L 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	
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	
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

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Client: AECOM Job ID: 680-196294-1

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

Client Sample ID: 2108 Fallston Road

Date Collected: 03/15/21 10:05 Date Received: 03/16/21 10:20

4-Bromofluorobenzene

1,2-Dichlorobenzene-d4 (Surr)

Lab Sample ID: 680-196294-4

03/23/21 17:46

03/23/21 17:46

Matrix: Water

Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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 Qua	alifier Limits				Prepared	Analyzed	Dil Fac

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Client: AECOM Job ID: 680-196294-1

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

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

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D	Prepared	Analyzed	Dil Fac

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	· · · · · · · · · · · · · · · · · · ·
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	······································
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

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Client: AECOM Job ID: 680-196294-1

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

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

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

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Client: AECOM Job ID: 680-196294-1

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

Date Received: 03/16/21 10:20

Client Sample ID: 2118 Fallston Road

Date Collected: 03/15/21 10:35

Lab Sample ID: 680-196294-6

Matrix: Water

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	
1,4-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	· · · · · · · · · · · · · · · · · · ·
4-Chlorotoluene	ND	0.500	ug/L			03/23/21 18:41	
Benzene	ND	0.500	ug/L			03/23/21 18:41	
Bromobenzene	ND	0.500	ug/L			03/23/21 18:41	· · · · · · · · · · · · · · · · · · ·
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 ug/L			03/23/21 18:41	' 1
Chlorodibromomethane	ND ND	0.500	ug/L			03/23/21 18:41	1
Chloroethane	ND ND	1.00	=			03/23/21 18:41	1
Chloroform		0.500	ug/L			03/23/21 18:41	' 1
Chloromethane	ND ND	0.500	ug/L			03/23/21 18:41	1
	ND ND	0.500	ug/L			03/23/21 18:41	
cis-1,2-Dichloroethene			ug/L				
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	
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

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Client: AECOM Job ID: 680-196294-1

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

Client Sample ID: 2118 Fallston Road

Date Collected: 03/15/21 10:35 Date Received: 03/16/21 10:20

Surrogate

4-Bromofluorobenzene

1,2-Dichlorobenzene-d4 (Surr)

Lab Sample ID: 680-196294-6

Matrix: Water

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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

 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 102
 70 - 130
 03/23/21 18:41
 1

 114
 70 - 130
 03/23/21 18:41
 1

3/24/2021

4

6

8

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Client: AECOM Job ID: 680-196294-1

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

Date Received: 03/16/21 10:20

Client Sample ID: 2402 Pleasantville Road

Date Collected: 03/15/21 11:40

Lab Sample ID: 680-196294-7

Matrix: Water

ı	Method: 524.2	- Volatile	Organic	Compounds	(GC/MS)	
ı	A a I d .			D 14 . O 1		

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

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Client: AECOM Job ID: 680-196294-1

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

Client Sample ID: 2402 Pleasantville Road

Lab Sample ID: 680-196294-7 Date Collected: 03/15/21 11:40

Matrix: Water

Date Received: 03/16/21 10:20

Analyte	Result Q	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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 Q	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

Client: AECOM Job ID: 680-196294-1

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

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

Lab Sample ID: MB 680-660838/10

Matrix: Water

Analysis Batch: 660838

Client Samp	le ID:	Meth	od Blank	
	Prep	Type:	Total/NA	

Alialysis Batch. 600030	МВ	МВ							
Analyte		Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	u u	ıg/L			03/23/21 14:06	1
1,1,1-Trichloroethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,1,2,2-Tetrachloroethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,1,2-Trichloroethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,1-Dichloroethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,1-Dichloroethene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,1-Dichloropropene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2,3-Trichlorobenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2,3-Trichloropropane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2,4-Trichlorobenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2,4-Trimethylbenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2-Dibromo-3-Chloropropane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2-Dibromoethane (EDB)	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2-Dichlorobenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2-Dichloroethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,2-Dichloropropane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,3,5-Trimethylbenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,3-Dichlorobenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,3-Dichloropropane	ND		0.500	u	ıg/L			03/23/21 14:06	1
1,4-Dichlorobenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
2,2-Dichloropropane	ND		0.500	u	ıg/L			03/23/21 14:06	1
2-Chlorotoluene	ND		0.500	u	ıg/L			03/23/21 14:06	1
4-Chlorotoluene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Benzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Bromobenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Bromochloromethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
Bromodichloromethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
Bromoform	ND		0.500	u	ıg/L			03/23/21 14:06	1
Bromomethane	ND		1.00	u	ıg/L			03/23/21 14:06	1
Carbon tetrachloride	ND		0.500	u	ıg/L			03/23/21 14:06	1
Chlorobenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Chlorodibromomethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
Chloroethane	ND		1.00	u	ıg/L			03/23/21 14:06	1
Chloroform	ND		0.500	u	ıg/L			03/23/21 14:06	1
Chloromethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
cis-1,2-Dichloroethene	ND		0.500	u	ıg/L			03/23/21 14:06	1
cis-1,3-Dichloropropene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Dibromomethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
Dichlorodifluoromethane	ND		0.500	u	ıg/L			03/23/21 14:06	1
Ethylbenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Hexachlorobutadiene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Isopropylbenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
Methylene Chloride	ND		0.500	u	ıg/L			03/23/21 14:06	1
Naphthalene	ND		1.00	u	ıg/L			03/23/21 14:06	1
n-Butylbenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
N-Propylbenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1
p-Isopropyltoluene	ND		0.500	u	ıg/L			03/23/21 14:06	1
sec-Butylbenzene	ND		0.500	u	ıg/L			03/23/21 14:06	1

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Client: AECOM Job ID: 680-196294-1

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

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

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		0.500		ug/L			03/23/21 14:06	1
ND		10.0		ug/L			03/23/21 14:06	1
	Result ND	Result Qualifier ND ND ND ND ND ND ND ND ND N	Result Qualifier RL ND 0.500 ND 0.500	Result Qualifier RL MDL ND 0.500 ND ND 0.500 ND	Result Qualifier RL MDL Unit ND 0.500 ug/L ND 0.500 ug/L	Result Qualifier RL MDL Unit D ND 0.500 ug/L ug/L ug/L ND 0.500 ug/L ug/L ug/L ug/L ND 0.500 ug/L ug/L <t< td=""><td>Result Qualifier RL MDL Unit D Prepared ND 0.500 ug/L <t< td=""><td>Result Qualifier RL MDL Unit D Prepared Analyzed ND 0.500 ug/L 03/23/21 14:06 ND 0.500 ug/L 03/23/21 14:06</td></t<></td></t<>	Result Qualifier RL MDL Unit D Prepared ND 0.500 ug/L ug/L <t< td=""><td>Result Qualifier RL MDL Unit D Prepared Analyzed ND 0.500 ug/L 03/23/21 14:06 ND 0.500 ug/L 03/23/21 14:06</td></t<>	Result Qualifier RL MDL Unit D Prepared Analyzed ND 0.500 ug/L 03/23/21 14:06 ND 0.500 ug/L 03/23/21 14:06

 Surrogate
 %Recovery 4-Bromofluorobenzene-d4 (Surr)
 104
 Limits 70 - 130
 Prepared 03/23/21 14:06
 Analyzed 11 Fac 03/23/21 14:06
 Dil Fac 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

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%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

Eurofins TestAmerica, Savannah

Page 20 of 30

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14

3/24/2021

Client: AECOM Job ID: 680-196294-1

LCS LCS

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

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

%Rec.

Prep Type: Total/NA

Analyte Added Result Qualifier Unit %Rec Limits Benzene 20.0 20.91 ug/L 105 70 - 130 20.0 19.49 ug/L 97 70 - 130 20.0 20.29 ug/L 101 70 - 130 20.0 19.24 ug/L 96 70 - 130 23.17 ug/L 20.0 116 70 - 130 20.0 33.81 *+ ug/L 169 70 - 130 20.0 21.16 ug/L 106 70 - 130 20.0 19.04 ug/L 95 70 - 130 20.0 22.41 ug/L 112 70 - 130 20.0 18.50 92 ug/L 70 - 130

Spike

Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane Chloroform 20.0 102 20.43 ug/L 70 - 130 20.0 106 Chloromethane 21.10 ug/L 70 - 130 cis-1,2-Dichloroethene 20.0 ug/L 106 70 - 130 21.14 20.0 108 70 - 130 cis-1,3-Dichloropropene 21.68 ug/L Dibromomethane 20.0 19.97 ug/L 100 70 - 130Dichlorodifluoromethane 20.0 106 21.27 ug/L 70 - 130 Ethylbenzene 20.0 20.30 ug/L 102 70 - 130 Hexachlorobutadiene 20.0 20.52 103 70 - 130 ug/L 20.0 95 Isopropylbenzene 18.95 ug/L 70 - 130 Methylene Chloride 20.0 18.71 ug/L 94 70 - 130 70 - 130 Naphthalene 20.0 20.50 ug/L 103 n-Butvlbenzene 20.0 20.51 ug/L 103 70 - 130 70 - 130 N-Propylbenzene 20.0 21.54 ug/L 108 p-Isopropyltoluene 20.0 ug/L 107 70 - 130 21.43 20.0 107 sec-Butylbenzene 21.32 ug/L 70 - 130 Styrene 20.0 19.35 97 70 - 130 ug/L 20.0 105 70 - 130 tert-Butylbenzene 21.09 ug/L Tetrachloroethene 20.0 20.17 ug/L 101 70 - 130 ug/L Toluene 20.0 19.64 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 20.0 Trichloroethene 19.96 ug/L 100 70 - 130 Trichlorofluoromethane 20.0 21.26 ug/L 106 70 - 130 ug/L Vinyl chloride 20.0 21.55 108 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 104 20.0 20.80 ug/L 70 - 130 40.0 39.94 ug/L 100 70 - 130 Xylenes, Total Ethyl tert-butyl ether 16.0 17.23 ug/L 108 70 - 130 tert-Butyl alcohol 200 190.2 95 70 - 130 ug/L

LCS LCS

Surrogate	%Recovery Qualifier	r Limits
4-Bromofluorobenzene	103	70 - 130
1.2-Dichlorobenzene-d4 (Surr)	101	70 - 130

Spike

20.0

20.0

20.0

20.0

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20.0

Client: AECOM Job ID: 680-196294-1

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

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

Lab Sample ID: LCSD 680-660838/6

Matrix: Water

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

1.3-Dichlorobenzene

Bromomethane

Chlorobenzene

Chloroethane

Chloromethane

Dibromomethane

Ethylbenzene

Naphthalene

n-Butylbenzene

N-Propylbenzene

p-Isopropyltoluene

sec-Butylbenzene

Chloroform

Carbon tetrachloride

Chlorodibromomethane

cis-1,2-Dichloroethene

cis-1,3-Dichloropropene

Dichlorodifluoromethane

Hexachlorobutadiene

Isopropylbenzene

Methylene Chloride

1,3,5-Trimethylbenzene

Analysis Batch: 660838

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

88

90

91

95

91

197

102

93

101

93

105

99

106

108

96

114

95

98

93

103

93

87

98

94

98

70 - 130

70 - 130

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70 - 130

70 - 130

%Rec.

RPD Limit

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

17.53

18.00

18.21

18.97

18.23

39.36 *+

20.46

18.61

20.17

18.64

20.94

19.81

21.22

21.58

19.29

22.83

19.09

19.53

18.59

20.61

18.54

17.37

19.58

18.78

19.55

ug/L

LCSD LCSD

11

20

20

20

20

20

20

20

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20

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20

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20

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17

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13

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1,3-Dichloropropane 20.0 19.22 ug/L 96 70 - 130 20 20.0 16.81 ug/L 84 70 - 130 20 1,4-Dichlorobenzene 11 2,2-Dichloropropane 20.0 21.32 107 70 - 130 20 ug/L 2-Chlorotoluene 20.0 92 70 - 130 20 18.48 ug/L 6 4-Chlorotoluene 20.0 19.55 ug/L 98 70 - 130 20 Benzene 20.0 19.88 99 70 - 130 20 ug/L 89 Bromobenzene 20.0 17.79 ug/L 70 - 130 20 Bromochloromethane 20.0 18.69 ug/L 93 70 - 1308 20 Bromodichloromethane 20.0 101 20.26 ug/L 70 - 130 5 20 Bromoform 20.0 21.05 ug/L 105 70 - 130 10 20

Eurofins TestAmerica, Savannah

Client: AECOM Job ID: 680-196294-1

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

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

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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-Butvl alcohol	200	178.5		ua/L		89	70 - 130	6	20

LCSD LCSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene	109		70 - 130
1.2-Dichlorobenzene-d4 (Surr)	101		70 - 130

QC Association Summary

Client: AECOM Job ID: 680-196294-1

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

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	

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

Client: AECOM

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

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

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

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

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

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
	Instrumer	nt ID: CMSAG								

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

Lab Sample ID: 680-196294-5

Matrix: Water

Matrix: Water

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

Client Sample ID: 2320 Pleasantville Road

Date Collected: 03/15/21 10:25 Date Received: 03/16/21 10:20

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

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**

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

Instrument ID: CMSAG

Instrument ID: CMSAG

Lab Chronicle

Client: AECOM Job ID: 680-196294-1

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

Client Sample ID: 2402 Pleasantville Road Lab Sample ID: 680-196294-7

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	660838	03/23/21 19:09	Y1S	TAL SAV
	Instrumen	tID: CMSAG								

Laboratory References:

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

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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

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Method Summary

Client: AECOM Job ID: 680-196294-1

Project/Site: 7-11 No 22281 (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

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5102 LaRoche Avenue Savannah, GA 31404 Phone: 912-354-7858 Fax: 912-352-0165	Chain	of Custo	Chain of Custody Record			Environment Testing America
Client Information	Sampler Strasber	4295	Lab PM. Evans, Lauren R	Carrier Tra	Carrier Tracking No(s):	COC No. 400-101506-35876.1
Client Contact: Ms. Rachael Allen	6	6-1327	E-Mail. Lauren.Evans@Eurofinset.com	State of Origin:	rigin:	Page:
Company: AECOM		PWSID:		Analysis Requested		
Address. 430 National Business Parkway Suite 190	Due Date Requested:					Ď0
City. Annapolis Junction	TAT Requested (days):	4.8				A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2
State, Zip: MD, 20701	Compliance Project: A Yes	A No	sAxO+1			
Phone: 301-289-3802(Tel) 301-289-3901(Fax)	Por # Purchase Order Requested	96				F - MeOH R - Na2S203 G - Amchlor S - H2SO4 H - Accorbing Acid T - TSD Decembration
Email: Rachael. Allen@aecom.com	WO#:		. 191			I - Ice J - Di Water
Project Name: 7-11 No 22281 (MD)	Project #: 40012890		10 88		addie1	K - EDTA W - pH 4-5 L - EDA Z - other (specify)
She.	SSOW#		A) as			Other:
Samnle Identification	Sample Date Time	Sample Type (C=comp,	Matrix (W-water) Sasolid Sasolid Garante old Person MS/M Person MS/M 24.2		Jodanik leto	Otal Number
	1	-1 (0			1/	Special Instructions/Note:
2019 Fallston Road	3/15/21 9:25	-				
	-	P	Water			
2418 Pleasantuix Road	3/12/4 0:55	9	Water			
	3/15/21 10:05	6	Water			
2520 Pleasantuik And	3115/21 10:25	9	Water			
2118 Fallston Road	3/15/21 10:36	9	Water			
2402 Pleasentule leas	3/12/21 11-40	5	Water			
			Water			
			Water		680-196294 Chair of Clinton	
			Water			Castody
			Water			
ant	Poison B Unknown	Radiological	Sample Disposal (A1	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mon	if samples are retain 3y Lab Ard	tained longer than 1 month) Archive For
Deliverable Requested: I, II. III, IV. Other (specify)			Special Instructi	Special Instructions/OC Requirements.		
Empty Kit Relinquished by:	Date		Time	Set 1	thod of Shipment.	
Relinquestred by: Relinquished by:	Date/fime:	3	Company Received by	Soma	Date/Time Solate/Time	6-7 Company 027
Relinquished by:	Date/Time:	S	Company Received by:		Date/Time	Company
Custody Seals Infact: Custody Seal No.:			Cooler Temper	Cooler Temperature(s) 'C and Other Remarks:	7	0 D D/3
						Ver 11 01 2020

Eurofins TestAmerica, Savannah

Client: AECOM Job Number: 680-196294-1

Login Number: 196294 List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Banda, Christy S

Creator. Banda, Christy S		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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	



Environment Testing America

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:

AFCOM 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

·····LINKS ······

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Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Definitions/Glossary

Client: AECOM Job ID: 680-198105-1

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

Glossary

MQL

NC

ND

NEG POS

PQL

PRES

QC

RER

RL RPD

TEF

TEQ

TNTC

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Not Detected at the reporting limit (or MDL or EDL if shown)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

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

5/7/2021

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	

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Case Narrative

Client: AECOM Job ID: 680-198105-1

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

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 5.0° C.

GC/MS VOA

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

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Client: AECOM Job ID: 680-198105-1

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

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	Comp	ounds	(GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		.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		.500		ug/L			05/07/21 13:04	1
1,3-Dichloropropane	ND	0	.500		ug/L			05/07/21 13:04	
1,4-Dichlorobenzene	ND		.500		ug/L			05/07/21 13:04	1
2,2-Dichloropropane	ND		.500		ug/L			05/07/21 13:04	1
2-Chlorotoluene	ND		.500		ug/L			05/07/21 13:04	
4-Chlorotoluene	ND		.500		ug/L			05/07/21 13:04	
Benzene	ND		.500		ug/L			05/07/21 13:04	
Bromobenzene	ND		.500		ug/L			05/07/21 13:04	
Bromochloromethane	ND		.500		ug/L			05/07/21 13:04	1
Bromodichloromethane	ND		.500		ug/L			05/07/21 13:04	1
Bromoform	ND		.500		ug/L			05/07/21 13:04	
Bromomethane	ND		1.00		ug/L			05/07/21 13:04	1
Carbon tetrachloride	ND		.500		ug/L			05/07/21 13:04	1
Chlorobenzene	ND		.500		ug/L			05/07/21 13:04	
Chlorodibromomethane	ND		.500		ug/L			05/07/21 13:04	1
Chloroethane	ND		1.00		ug/L			05/07/21 13:04	1
Chloroform	ND		.500		ug/L			05/07/21 13:04	
Chloromethane	ND		.500		ug/L			05/07/21 13:04	1
cis-1,2-Dichloroethene	ND		.500		ug/L			05/07/21 13:04	1
cis-1,3-Dichloropropene	ND		.500		ug/L			05/07/21 13:04	'
Dibromomethane	ND		.500		ug/L			05/07/21 13:04	
Dichlorodifluoromethane	ND		.500		ug/L			05/07/21 13:04	
Ethylbenzene	ND		.500		ug/L			05/07/21 13:04	
Hexachlorobutadiene	ND		.500		ug/L			05/07/21 13:04	,
Isopropylbenzene	ND ND		.500		ug/L ug/L			05/07/21 13:04	-
Methylene Chloride	ND ND		.500		ug/L ug/L			05/07/21 13:04	
Naphthalene	ND ND		1.00		ug/L ug/L			05/07/21 13:04	,
n-Butylbenzene	ND ND		.500		ug/L ug/L			05/07/21 13:04	,
	ND ND							05/07/21 13:04	
N-Propylbenzene	ND ND		.500 .500		ug/L			05/07/21 13:04	1
p-Isopropyltoluene					ug/L				
sec-Butylbenzene Styrene	ND ND		.500 .500		ug/L ug/L			05/07/21 13:04 05/07/21 13:04	

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Client: AECOM Job ID: 680-198105-1

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

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

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

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Client: AECOM Job ID: 680-198105-1

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

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	Comp	ounds	(GC/MS)

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1,2-Tetrachloroethane	ND	0.	.500		ug/L			05/07/21 13:27	
1,1,1-Trichloroethane	ND	0.	.500		ug/L			05/07/21 13:27	
1,1,2,2-Tetrachloroethane	ND	0.	.500		ug/L			05/07/21 13:27	
1,1,2-Trichloroethane	ND	0.	.500		ug/L			05/07/21 13:27	
1,1-Dichloroethane	ND	0.	.500		ug/L			05/07/21 13:27	
1,1-Dichloroethene	ND	0.	.500		ug/L			05/07/21 13:27	
1,1-Dichloropropene	ND	0.	.500		ug/L			05/07/21 13:27	
1,2,3-Trichlorobenzene	ND	0.	.500		ug/L			05/07/21 13:27	
1,2,3-Trichloropropane	ND	0.	.500		ug/L			05/07/21 13:27	
1,2,4-Trichlorobenzene	ND	0.	.500		ug/L			05/07/21 13:27	
1,2,4-Trimethylbenzene	ND	0.	.500		ug/L			05/07/21 13:27	
1,2-Dibromo-3-Chloropropane	ND	0.	.500		ug/L			05/07/21 13:27	
1,2-Dibromoethane (EDB)	ND	0.	.500		ug/L			05/07/21 13:27	
1,2-Dichlorobenzene	ND	0.	.500		ug/L			05/07/21 13:27	
1,2-Dichloroethane	ND	0.	.500		ug/L			05/07/21 13:27	
1,2-Dichloropropane	ND	0.	.500		ug/L			05/07/21 13:27	
1,3,5-Trimethylbenzene	ND		.500		ug/L			05/07/21 13:27	
1,3-Dichlorobenzene	ND		.500		ug/L			05/07/21 13:27	
1,3-Dichloropropane	ND	0.	.500		ug/L			05/07/21 13:27	· · · · · · .
1,4-Dichlorobenzene	ND		.500		ug/L			05/07/21 13:27	
2,2-Dichloropropane	ND		.500		ug/L			05/07/21 13:27	
2-Chlorotoluene	ND		.500		ug/L			05/07/21 13:27	
4-Chlorotoluene	ND		.500		ug/L			05/07/21 13:27	
Benzene	ND		.500		ug/L			05/07/21 13:27	
Bromobenzene	ND		.500		ug/L			05/07/21 13:27	
Bromochloromethane	ND		.500		ug/L			05/07/21 13:27	
Bromodichloromethane	ND		.500		ug/L			05/07/21 13:27	
Bromoform	ND		.500		ug/L			05/07/21 13:27	
Bromomethane	ND		1.00		ug/L			05/07/21 13:27	
Carbon tetrachloride	ND		.500		ug/L			05/07/21 13:27	
Chlorobenzene	ND		.500		ug/L			05/07/21 13:27	
Chlorodibromomethane	ND		.500		ug/L			05/07/21 13:27	
Chloroethane	ND		1.00		ug/L			05/07/21 13:27	
Chloroform	ND		.500		ug/L			05/07/21 13:27	
Chloromethane	ND		.500		ug/L			05/07/21 13:27	
cis-1,2-Dichloroethene	ND		.500		ug/L			05/07/21 13:27	
cis-1,3-Dichloropropene	ND		.500		ug/L			05/07/21 13:27	
Dibromomethane	ND		.500		ug/L			05/07/21 13:27	
Dichlorodifluoromethane	ND		.500		ug/L			05/07/21 13:27	
Ethylbenzene	ND		.500		ug/L			05/07/21 13:27	
Hexachlorobutadiene	ND		.500		ug/L			05/07/21 13:27	
Isopropylbenzene	ND		.500		ug/L			05/07/21 13:27	
Methylene Chloride	ND ND		.500		ug/L			05/07/21 13:27	
Naphthalene	ND ND		1.00		ug/L ug/L			05/07/21 13:27	
n-Butylbenzene	ND ND		.500		ug/L ug/L			05/07/21 13:27	
N-Propylbenzene	ND ND		.500		ug/L ug/L			05/07/21 13:27	
p-Isopropyltoluene	ND		.500					05/07/21 13:27	
	ND ND		.500		ug/L			05/07/21 13:27	
sec-Butylbenzene Styrene	ND ND		.500		ug/L ug/L			05/07/21 13:27	

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Client: AECOM Job ID: 680-198105-1

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

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

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

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Client: AECOM Job ID: 680-198105-1

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

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

Analyte	Result Qua	alifier RL	MDL Unit	D Prepared	l Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND 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	·
1,4-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	
4-Chlorotoluene	ND	0.500	ug/L		05/07/21 13:51	1
Benzene	ND ND	0.500	ug/L		05/07/21 13:51	1
Bromobenzene	ND	0.500	ug/L		05/07/21 13:51	
Bromochloromethane	ND	0.500	ug/L		05/07/21 13:51	1
Bromodichloromethane	ND ND	0.500			05/07/21 13:51	1
			ug/L			
Bromoform	ND	0.500	ug/L		05/07/21 13:51	1
Bromomethane	ND ND	1.00	ug/L		05/07/21 13:51	1
Carbon tetrachloride		0.500	ug/L		05/07/21 13:51	
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

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Client: AECOM Job ID: 680-198105-1

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

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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	ua/l			05/07/21 13:51	1

Surrogate	%Recovery Qualifi	er Limits	Prepared And	alyzed Dil Fac
4-Bromofluorobenzene	91	70 - 130	05/07/	7/21 13:51 1
1,2-Dichlorobenzene-d4 (Surr)	110	70 - 130	05/07.	7/21 13:51 1

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Client: AECOM Job ID: 680-198105-1

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

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

Analyte	nic Compounds (C Result Qualif	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fa
1,1,1,2-Tetrachloroethane	ND ND	0.500	ug/L			05/07/21 14:14	
1,1,1-Trichloroethane	ND	0.500	ug/L			05/07/21 14:14	
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L			05/07/21 14:14	
1,1,2-Trichloroethane	ND	0.500	ug/L			05/07/21 14:14	
1,1-Dichloroethane	ND	0.500	ug/L			05/07/21 14:14	
1,1-Dichloroethene	ND	0.500	ug/L			05/07/21 14:14	
1,1-Dichloropropene	ND	0.500	ug/L			05/07/21 14:14	
1,2,3-Trichlorobenzene	ND	0.500	ug/L			05/07/21 14:14	
1,2,3-Trichloropropane	ND	0.500	ug/L			05/07/21 14:14	
1,2,4-Trichlorobenzene	ND	0.500	ug/L			05/07/21 14:14	
1,2,4-Trimethylbenzene	ND	0.500	ug/L			05/07/21 14:14	
1,2-Dibromo-3-Chloropropane	ND	0.500	ug/L			05/07/21 14:14	
1,2-Dibromoethane (EDB)	ND	0.500	ug/L			05/07/21 14:14	
1,2-Dichlorobenzene	ND	0.500	ug/L			05/07/21 14:14	
1,2-Dichlorogenzene	ND	0.500	ug/L			05/07/21 14:14	
1,2-Dichloropropane	ND	0.500	ug/L			05/07/21 14:14	
1,3,5-Trimethylbenzene	ND	0.500	ug/L			05/07/21 14:14	
1,3-Dichlorobenzene	ND	0.500	ug/L			05/07/21 14:14	
1,3-Dichloropropane	ND	0.500	ug/L			05/07/21 14:14	
1,4-Dichlorobenzene	ND	0.500	ug/L			05/07/21 14:14	
	ND	0.500	_			05/07/21 14:14	
2,2-Dichloropropane 2-Chlorotoluene	ND ND	0.500	ug/L			05/07/21 14:14	
	ND ND		ug/L				
4-Chlorotoluene		0.500	ug/L			05/07/21 14:14	
Benzene	ND	0.500	ug/L			05/07/21 14:14	
Bromobenzene	ND	0.500	ug/L			05/07/21 14:14	
Bromochloromethane	ND	0.500	ug/L			05/07/21 14:14	
3romodichloromethane	ND	0.500	ug/L			05/07/21 14:14	
3romoform	ND	0.500	ug/L			05/07/21 14:14	
3romomethane	ND	1.00	ug/L			05/07/21 14:14	
Carbon tetrachloride	ND	0.500	ug/L			05/07/21 14:14	
Chlorobenzene	ND	0.500	ug/L			05/07/21 14:14	
Chlorodibromomethane	ND	0.500	ug/L			05/07/21 14:14	
Chloroethane	ND	1.00	ug/L			05/07/21 14:14	
Chloroform	ND	0.500	ug/L			05/07/21 14:14	
Chloromethane	ND	0.500	ug/L			05/07/21 14:14	
cis-1,2-Dichloroethene	ND	0.500	ug/L			05/07/21 14:14	
cis-1,3-Dichloropropene	ND	0.500	ug/L			05/07/21 14:14	
Dibromomethane	ND	0.500	ug/L			05/07/21 14:14	
Dichlorodifluoromethane	ND	0.500	ug/L			05/07/21 14:14	
Ethylbenzene	ND	0.500	ug/L			05/07/21 14:14	
Hexachlorobutadiene	ND	0.500	ug/L			05/07/21 14:14	
sopropylbenzene	ND	0.500	ug/L			05/07/21 14:14	
Methylene Chloride	ND	0.500	ug/L			05/07/21 14:14	
Naphthalene	ND	1.00	ug/L			05/07/21 14:14	
n-Butylbenzene	ND	0.500	ug/L			05/07/21 14:14	
N-Propylbenzene	ND	0.500	ug/L			05/07/21 14:14	
p-Isopropyltoluene	ND	0.500	ug/L			05/07/21 14:14	
sec-Butylbenzene	ND	0.500	ug/L			05/07/21 14:14	
Styrene	ND	0.500	ug/L			05/07/21 14:14	

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4 4

Client: AECOM Job ID: 680-198105-1

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

4-Bromofluorobenzene

1,2-Dichlorobenzene-d4 (Surr)

Client Sample ID: 2410 Pleasantville Road

Date Collected: 04/26/21 10:45

Date Received: 04/27/21 09:55

92

112

Lab Sample ID: 680-198105-4

05/07/21 14:14

05/07/21 14:14

Matrix: Water

Analyte	Result Qualifier	r RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND 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	r Limits			Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

7

9

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4.0

Client: AECOM Job ID: 680-198105-1

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

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

	MB	MB							
Analyte	Result	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	
1,3,5-Trimethylbenzene	ND		0.500		ug/L			05/07/21 12:40	
1,3-Dichlorobenzene	ND		0.500		ug/L			05/07/21 12:40	
1,3-Dichloropropane	ND		0.500		ug/L			05/07/21 12:40	
1,4-Dichlorobenzene	ND		0.500		ug/L			05/07/21 12:40	
2,2-Dichloropropane	ND		0.500		ug/L			05/07/21 12:40	
2-Chlorotoluene	ND		0.500		ug/L			05/07/21 12:40	
4-Chlorotoluene	ND		0.500		ug/L ug/L			05/07/21 12:40	
Benzene	ND		0.500		ug/L ug/L			05/07/21 12:40	
Bromobenzene	ND		0.500					05/07/21 12:40	
Bromochloromethane	ND ND				ug/L				
	ND ND		0.500		ug/L			05/07/21 12:40	,
Bromodichloromethane			0.500		ug/L			05/07/21 12:40	
Bromoform	ND		0.500		ug/L			05/07/21 12:40	
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

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Client: AECOM Job ID: 680-198105-1

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

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

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

MB MB

Surrogate	%Recovery 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

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

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1.0

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Spike

Client: AECOM Job ID: 680-198105-1

LCS LCS

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

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

Lab Sample ID: LCS 680-667637/3

Matrix: Water

sec-Butylbenzene

tert-Butylbenzene

Tetrachloroethene

trans-1,2-Dichloroethene

Ethyl tert-butyl ether

tert-Butyl alcohol

Styrene

Toluene

Analysis Batch: 667637

Client Sample ID: Lab Control Sample

105

99

103

98

100

106

98

106

109

111

96

96

100

101

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

70 - 130

Prep Type: Total/NA

%Rec.

Analyte Added Result Qualifier Unit %Rec Limits Benzene 20.0 20.84 ug/L 104 70 - 130 Bromobenzene 20.0 20.41 ug/L 102 70 - 130 20.0 Bromochloromethane 20.46 ug/L 102 70 - 130 Bromodichloromethane 20.0 20.33 ug/L 102 70 - 130 ug/L Bromoform 20.0 20.09 100 70 - 130 Bromomethane 20.0 18.86 ug/L 94 70 - 130 Carbon tetrachloride 20.0 22.33 ug/L 112 70 - 130 20.0 99 Chlorobenzene 19.71 ug/L 70 - 130 20.0 100 Chlorodibromomethane 19.93 ug/L 70 - 130 Chloroethane 20.0 93 18.64 ug/L 70 - 130 Chloroform 20.0 103 20.63 ug/L 70 - 130 20.0 96 Chloromethane 19.20 ug/L 70 - 130 ug/L cis-1,2-Dichloroethene 20.0 97 70 - 130 19.40 20.0 19.79 99 70 - 130 cis-1,3-Dichloropropene ug/L Dibromomethane 20.0 19.49 ug/L 97 70 - 130Dichlorodifluoromethane 20.0 23.56 ug/L 118 70 - 130Ethylbenzene 20.0 19.92 ug/L 100 70 - 130 Hexachlorobutadiene 20.0 23.91 120 70 - 130 ug/L 105 Isopropylbenzene 20.0 20.95 ug/L 70 - 130 Methylene Chloride 20.0 17.57 ug/L 88 70 - 130 Naphthalene 20.0 18.57 ug/L 93 70 - 130 n-Butvlbenzene 20.0 21.39 ug/L 107 70 - 130 20.0 70 - 130 N-Propylbenzene 20.90 ug/L 104 p-Isopropyltoluene 20.0 21.09 ug/L 105 70 - 130

20.0

20.0

20.0

20.0

20.0

20.0

21.09

19.84

20.55

19.69

20.03

21.20

ug/L

trans-1,3-Dichloropropene 20.0 19.59 20.0 Trichloroethene 21.23 Trichlorofluoromethane 20.0 21.89 Vinyl chloride 20.0 22.27 Tert-amyl methyl ether 16.0 15.29 Diisopropyl ether 16.0 15.32 Methyl tert-butyl ether 20.0 20.02 40.0 Xylenes, Total 40.40

> 16.0 15.78 ug/L 99 70 - 130 200 203.5 102 70 - 130 ug/L LCS LCS

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

Client: AECOM Job ID: 680-198105-1

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

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

	Spike		LCSD		_		%Rec.		RPD
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	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		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
Chlorodihanananathana	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

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Client: AECOM Job ID: 680-198105-1

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

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

Qualifier Unit	D %Rec	Limits	DDD	1 !!4
		Lillies	RPD	Limit
ug/L	96	70 - 130	3	20
ug/L	100	70 - 130	3	20
ug/L	94	70 - 130	4	20
ug/L	100	70 - 130	0	20
ug/L	107	70 - 130	1	20
ug/L	97	70 - 130	1	20
ug/L	105	70 - 130	1	20
ug/L	115	70 - 130	5	20
ug/L	104	70 - 130	7	20
ug/L	99	70 - 130	4	20
ug/L	103	70 - 130	8	20
ug/L	104	70 - 130	3	20
ug/L	98	70 - 130	3	20
ug/L	102	70 - 130	3	20
ug/L	114	70 - 130	12	20
2 3 7 3 3 7 5 2 4 6	3 ug/L 7 ug/L 3 ug/L 3 ug/L 6 ug/L 6 ug/L 1 ug/L 5 ug/L 2 ug/L 4 ug/L 6 ug/L	2 ug/L 100 3 ug/L 94 7 ug/L 100 3 ug/L 107 3 ug/L 97 7 ug/L 105 6 ug/L 115 2 ug/L 104 1 ug/L 99 5 ug/L 103 2 ug/L 104 4 ug/L 98 6 ug/L 102	1 1 <td>1 ug/L 100 70 - 130 3 1 ug/L 94 70 - 130 4 1 ug/L 100 70 - 130 0 1 ug/L 107 70 - 130 1 1 ug/L 105 70 - 130 1 1 ug/L 115 70 - 130 5 2 ug/L 104 70 - 130 7 1 ug/L 99 70 - 130 4 2 ug/L 103 70 - 130 8 2 ug/L 104 70 - 130 3 4 ug/L 98 70 - 130 3 4 ug/L 98 70 - 130 3 6 ug/L 102 70 - 130 3</td>	1 ug/L 100 70 - 130 3 1 ug/L 94 70 - 130 4 1 ug/L 100 70 - 130 0 1 ug/L 107 70 - 130 1 1 ug/L 105 70 - 130 1 1 ug/L 115 70 - 130 5 2 ug/L 104 70 - 130 7 1 ug/L 99 70 - 130 4 2 ug/L 103 70 - 130 8 2 ug/L 104 70 - 130 3 4 ug/L 98 70 - 130 3 4 ug/L 98 70 - 130 3 6 ug/L 102 70 - 130 3

LCSD LCSD

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

QC Association Summary

Client: AECOM Job ID: 680-198105-1

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

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	

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Job ID: 680-198105-1

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

Client: AECOM

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

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

Client Sample ID: 2318 Pleasantville Road

Date Collected: 04/26/21 09:35

Date Received: 04/27/21 09:55

Prep Type Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA Analy			1	5 mL	5 mL	667637			TAL SAV

Client Sample ID: 2403 Pleasantville Road

Date Collected: 04/26/21 10:10

Date Received: 04/27/21 09:55

Dura Toma	Batch	Batch	D	Dil	Initial	Final	Batch	Prepared	A a l 4	Lab
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	667637	05/07/21 13:51	SMP	TAL SAV
	Instrumer	nt ID: CMSAB								

Client Sample ID: 2410 Pleasantville Road

Date Collected: 04/26/21 10:45

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
	Instrumer	nt ID: CMSAB								

Laboratory References:

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

Lab Sample ID: 680-198105-2

Lab Sample ID: 680-198105-3

Lab Sample ID: 680-198105-4

Matrix: Water

Matrix: Water

Matrix: Water

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		

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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

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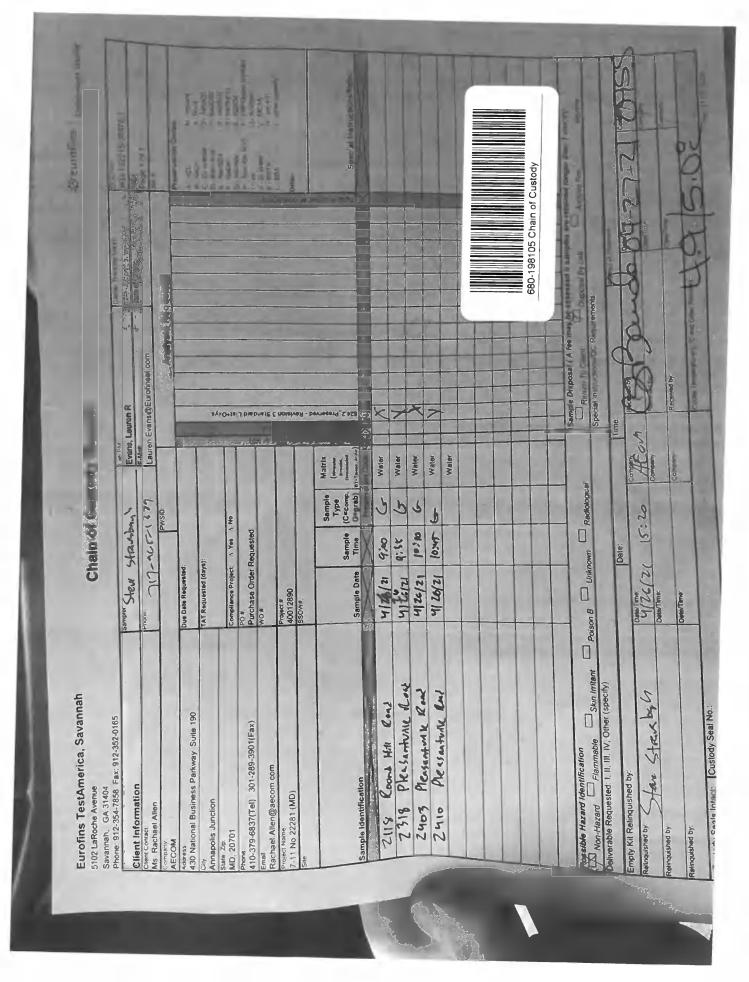
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Client: AECOM Job Number: 680-198105-1

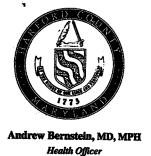
Login Number: 198105 List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Banda, Christy S

Creator: Banda, Christy S		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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

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 <u>August 9, 2004</u>. 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
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,

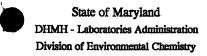
Cari Biscoe

Environmental Water Quality Program

Community Health Protection

Send Report To: Ha <u>r Ford Co., Health Dep</u> t. 1205. Hays St. 578200	State of Maryland DHMH - Laboratories Administration Division of Environmental Chemistry TRACE ORGANICS SECTION 201 W. Preston Street, Baltimore, Maryland, 21201
Bel Arr, MD Brown	J. Mehsert Joseph, Ph.D., Director 950283. AUG ILE ABORATORY ANALYSIS REQUEST + Do not write above this line
Sample Source: 2/08 Falls Street Sampler ID: [1] [2] [3] [4] [4]	e Name: Falston Seafood County: Harford . Hon Pal Fallston Location: Don Sink Town for City (well no., lab sink, sample tap, etc.) PWSHD: Della Della Plant IB: EEE
Collector: <u>ari Bisco</u> Date Collected: <u>88,09</u> ,2004	es 443-643 -0323 " (include telephone number)
	servative Used: Ø1;1 HCl+Ascorbic acid □ Na₂SO₄ □ 6 mg NH₄Cl □ Landfill □ Source (Raw Water) □ Liquid □ Stream □ Distribution (Treated) □ Solid
	PDES D CWA D RCRA D Consumer Products D Other S Volatiles D Semi-volatiles D Haloacetic Acids
FIELD DATA: (46) (10)	Field Blank Bottle No.: CBUIS F Trip Blank Bottle No.: CBUIS T
Remarks: X Tleasa T	No Filtration equal. OHOBIOSON MUTPSON Quince Date Reported: 8116104
Phone: (4 Form Revised 12/00. DHMH 4362 6/01	10) 767-4388 **Pax: (410) 333-5237 Allice Jones P.O. Box 371 Cylen Arm, MD 20457

SUBMITTER'S CORY



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	DI.	MCL*	Result*	<u>Contaminants</u>	DL.	MCL*	Result*
TRIHALOMETHANES				UNREGULATED			
Bromodichloromethane	0.5	na	ND	Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5	na	ND	Chloromethane	0.5	na	ND
Chloroform	0.5	na	ND	Bromomethane	0.5	na	ND
Dibromochloromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs	-	80	-	Trichlorofluoromethane	0.5	na	ND
				1,1-Dichloroethane	0.5	na	ND
REGULATED				1,3-Dichlorobenzene	0.5	na	ND
Benzene	0.5	5	ND	Dibromomethane	0.5	na	ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene	0.5	na	ND
Chlorobenzene	0.5	100	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachloroethane	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	na	ND
1,2-Dichlorobenzene	0.5	600	ND	cis-1,3-Dichloropropene	0.5	na	ND
1,2-Dichloropropane	0.5	5	ND	2-Chiorotoluene	0.5	na	ND
cis-1,2-Dichloroethene	0.5	70	ND	4-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	na	ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene	0.5	na	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	na	ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
Trichloroethene	0.5	5	ND	n-Propylbenzene	0.5	na	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene	0.5	na	ND
Toluene	0.5	1000	ND	Naphthalene	0.5	na	4.37
Vinyi Chloride	0.5	2	ND	Hexachlorobutadiene	0.5	na	ND
o-Xylene	0.5	na	ND	Isopropylbenzene	0.5	na	ND
m+p-Xylene	1.0	na	ND	1,2,3-Trichloropropane	0.5	na	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	na	ND
Methylene Chloride	0.5	5	ND	p-lsopropyitoluene	0.5	na	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	na	ND
1,2,4-Trichlorobenzene	0.5	70	ND	sec-Butylbenzene	0.5	na	ND
• •				Bromochloromethane	0.5	na	ND
				1,1,1,2-Tetrachloroethane	0.5	na	ND
*All results are in parts per	billion (p	pb)		1.2-Dibromoethane	0.5	na	ND
ND = Less than the detection	***			Methyl-tert-Butyl Ether (MTBE)	0.5	na	1.61
na = not applicable				Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
e = estimated value				tert-Amyl Methyl Ether (TAME)	0.5	na	ND
							

aution Chief Che d

Chulum J. Pomum

Date Approved:

8 116/oxf

Phone: (410) 767-5896

Fax: (410) 225-9318

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

Method:

EPA 524.2

Date Analyzed:

08/13/04

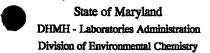
<u>Contaminants</u>	DL:	MCL*	Result*	Contaminants	DL.	MCL:	Result*
TRIHALOMETHANES				UNREGULATED			
Bromodichloromethane	0.5	na	ND	Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5	na	ND	Chloromethane	0.5	na	ND
Chloroform	0.5	na	ND	Bromomethane	0.5	na	ND
Dibromochloromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs	•	80	-	Trichlorofluoromethane	0.5	na	ND
				1,1-Dichloroethane	0.5	na	ND
REGULATED				1,3-Dichlorobenzene	0.5	na	ND
Benzene	0.5	5	ND	Dibromomethane	0.5	na	ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene	0.5	na	ND
Chlorobenzene	0.5	100	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachloroethane	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	na	ND
1,2-Dichlorobenzene	0.5	600	ND	cis-1,3-Dichloropropene	0.5	na	ND
1,2-Dichioropropane	0.5	5	ND	2-Chlorotoluene	0.5	na	ND
cis-1,2-Dichloroethene	0.5	70	ND	4-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	na	ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene	0.5	na	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	na	ND
Tetrachioroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
Trichioroethene	0.5	5	ND	n-Propylbenzene	0.5	na	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene	0.5	na	ND
Toluene	0.5	1000	ND	Naphthalene	0.5	na	0.85
Vinyi Chioride	0.5	2	ND	Hexachlorobutadiene	0.5	na	ND
o-Xylene	0.5	na	ND	Isopropyibenzene	0.5	na	ND
m+p-Xylene	1.0	na	ND	1,2,3-Trichioropropane	0.5	na	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	na	ND
Methylene Chloride	0.5	5	ND	p-lsopropyltoluene	0.5	na	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	na	ND
1,2,4-Trichlorobenzene	0.5	70	ND	sec-Butylbenzene	0.5	na	ND
				Bromochioromethane	0.5	na	ND
				1,1,1,2-Tetrachloroethane	0.5	na	ND
*All results are in parts per	billion (p	ob)		1,2-Dibromoethane	0.5	na	ND
ND = Less than the detection		r y		Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
na = not applicable				Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
e = estimated value				tert-Amyl Methyl Ether (TAME)	0.5	na	ND

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Date Approved:

8 libloy

Phone: (410) 767-5896



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

Method:

EPA 524.2

Date Analyzed:

08/13/04

Contaminants TRIHALOMETHANES	DL.	MCL.	Result*	Contaminants UNREGULATED	DL*	MCL*	Result*
Bromodichioromethane	0.5	na	ND	Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5	na	ND	Chloromethane	0.5	na	ND
Chloroform	0.5	na	ND	Bromomethane	0.5	na	ND
Dibromochioromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs	•	80	- .	Trichlorofluoromethane	0.5	na	ND
				1.1-Dichloroethane	0.5	na	ND
REGULATED				1,3-Dichlorobenzene	0.5	na	ND
Benzene	0.5	5	ND	Dibromomethane	0.5	na	ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene	0.5	na	ND
Chlorobenzene	0.5	100	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachloroethane	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	na	ND
1,2-Dichlorobenzene	0.5	600	ND	cis-1,3-Dichioropropene	0.5	na	ND
1,2-Dichloropropane	0.5	5	ND	2-Chlorotoluene	0.5	na	ND
cis-1,2-Dichlorcethene	0.5	70	ND	4-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	na	ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene	0.5	na	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	na	ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
Trichloroethene	0.5	5	ND	n-Propylbenzene	0.5	na	ND
1,1,1-Trichioroethane	0.5	200	ND	n-Butylbenzene	0.5	na	ND
Toluene	0.5	1000	ND	Naphthalene	0.5	na	ND
Vinyl Chioride	0.5	2	ND	Hexachlorobutadiene	0.5	na	ND
o-Xylene	0.5	na	, ND	Isopropylbenzene	0.5	na	ND
m+p-Xylene	1.0	na	ND	1,2,3-Trichioropropane	0.5	na	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	na	ND
Methylene Chloride	0.5	5	ND	p-isopropyitoluene	0.5	na	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	na	ND
1,2,4-Trichlorobenzene	0.5	70	ND	sec-Butylbenzene	0.5	na	ND
				Bromochloromethane	0.5	na	ND
				1,1,1,2-Tetrachloroethane	0.5	na	ND
*All results are in parts per	billion (p	ob)		1,2-Dibromoethane	0.5	na	ND
ND = Less than the detection	on limit			Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
na = not applicable				Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
e = estimated value				tert-Arnyl Methyl Ether (TAME)	0.5	na	ND

Cootion Chief

Hubron Je Muns

Data Anarouad:

8/16/04

Phone: (410) 767-5898



PARFORD 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

August 23, 2004

Ms. Alice Jones P.O. Box 371 Glen Arm, MD 21057

Re:

Water Test Results for Volatile Organic Compounds

and the second of the second o

2108 Faliston Road Tax I.D. 04036301

Tax Map 47, Parcel 308

To Whom It May Concern:

This office collected a water sample on <u>August 9, 2004</u>. 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
Naphthalene	4.37	ppb Unregulated
		- · · · ·

At the time of sampli	nd MTBF was detected and in below the FDA	
Contamination level	ng MTBE was detected and is below the EPA maximum	l. <u> </u>
ooritairiiriation level.	If you should have any questions, please feel free to co	ntact me.

Sincerely,

Cari Biscoe

Environmental Water Quality Program

Community Health Protection

Send Report To);	State of Mary		
tarford Co.	Health Dept.	DHMH - Laboratories A Division of Environmen		Lab No. Date Received
205. Hours	St STEDOD 20	TRACE ORGANIC W. Preston Street, Baltin	S	
Bel Air.	MD. 21014	J. Mehsen Joseph, F	Ph.D., Director	950283 AUG 11
	LABO	DRATORY ANA	LYSIS REQUEST	Do not write above this line
- 0 /	0,1110,1	6111		
Bottle No:	Plant/Site N	ame: Tallstov	Sectord County	chroson .
Sample Source	e: 0/08 Palls-to	M Fd Fa	ISton Location:	DOT SIAK well no., lab sink, sample tap, etc.)
Sampler ID:		PWSID:		Plant ID: 4E
Collector:	(ari Biscoe	(include telephone nu	643 -0323 #	
Data Collected	: <u>08 / 09 /2004</u> =		: 10:1Q.m. p.m.	
Field Preserve	d: □Yes □No Preser	vative Used: 21	:1 HCl+Ascorbic acid ,巨 N	a ₂ SO ₄ □ 6 mg NH ₄ Cl
Sample Type:	Drinking Water	□ Landfill □	Source (Raw Water)	
	☐ Community ☐ Non-Community	☐ Stream ☐ Sediment ☐	Distribution (Treated) Water Treatment Plant POE	☐ Solid *- ☐ Other *
	☐ Private			
6	A com.			
Specify Progra	IM: A SDAY II NADE	S LI CWA LI I	RCRA Consumer Produ	cts Other
Test Requeste	d: Trihalomethanes	Volatiles	☐ Semi-volatiles	☐ Haloacetic Acids
	The second secon			
FIELD DATA :	1015 110 000	Field Bla	ank Bottle No.: CB 4	o E
E	pH Free Cl Total Cl		in the state of th	
	and the second s	1 Lib Ris	nk Bottle No.: <u>CB#1</u>	
	+ (The second secon	
Remarks:	* Please Ru	shx	NO Filtration	equit.
· ·		***	0403	10
Section	Chiefe Check - 1	7 m	My S	7 4308
Section	CHELL CHARM	· · · · · · · · · · · · · · · · · · ·	Date Reported: 8	177
Room Davised 1000	•Phone: (410) 7	767-4388	•Fax: (410) 333-5237	
Form Revised 12/00 DHMH 4362 6/01				P.O. Box 371 Yen Arn, MD 21057
; *				In the same



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:

FPA 5242

Date Analyzed:

08/13/04

<u>Contaminants</u> TRIHALOMETHANES	Dr.	MCL.	Result*	Contaminants DL* MCL* Result*
			M	UNREGULATED
Bromodichloromethane	0.5	na	ND	Dichlorodifluoromethane 0.5 na ND
Bromoform	0.5	na	ND	Chloromethane 0.5 na ND
Chloroform	0.5	na	ND	Bromomethane 0.5 na ND
Dibromochloromethane	0.5	na	ND	Chloroethane 0.5 na ND
TOTAL THMs	.=	80	•	Trichlorofluoromethane 0.5 na ND
•				1,1-Dichloroethane 0.5 na ND
REGULATED				1,3-Dichiorobenzene 0.5 na ND
Benzene	0.5	5	ND	Dibromomethane 0.5 na ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene 0.5 na ND
Chlorobenzene	0.5	100	ND	trans-1,3-Dichloropropene
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachioroethane 0.5 na ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane 0.5 na ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane 0.5 na ND
1,2-Dichlorobenzene	0.5	600	ND	cis-1,3-Dichloropropene 0.5 na ND
1,2-Dichloropropane	0.5	5	ND	2-Chlorotoluene 0.5 na ND
cis-1,2-Dichloroethene	0.5	70	ND	4-Chlorotoluene 0.5 ma ND
trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene 0.5 na ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene 0.5 na ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene 0.5 ma ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene 0.5 na ND
Trichloroethene	0.5	5.	ND	n-Propylbenzene 0.5 na ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene 0.5 na ND
Toluene	0.5	1000	ND	Naphthalene 0.5 na 4.37
Vinyi Chioride	0.5	2	ND	Hexachlorobutadiene 0.5 na ND
o-Xylene	0.5	ne ne	ND	Isopropylbenzene 0.5 na ND
m+p-Xviene	1.0	na	ND	1,2,3-Trichloropropane 0.5 na ND
Total Xylenes	1.5	10000	ND	and the later of t
Methylene Chloride	0.5	5	ND	1,2-Dibromo-3-Chloropropane 0.5 na ND p-Isopropyltoluene 0.5 na ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene 0.5 ma ND
1,2,4-Trichlorobenzene	0.5	70	ND	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
The The Holond Ferre	0.0	10	ND	
				The state of the s
#All requiles are in morty man	hillian /	L)		1,1,1,2-Tetrachioroethane 0.5 na ND
*All results are in parts per ND = Less than the detection		u)		1,2-Dibromoethane 0.5 na ND
	म साम			Methyl-tert-Butyl Ether (MTBE) 0.5 na 1.81
na = not applicable				Ethyl-tert-Butyl Ether (ETBE) 0.5 na ND
e = estimated value				tert-Amyl Methyl Ether (TAME) 0.5 na ND

section Chief: Chrom G. Pomum

Date Approved:

8 116/oxf

Phone: (410) 767-5896



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

CERTIFICATE OF AMALYSIS

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 **30**9

Date/Time Collected: Date/Time Received:

September 6, 2006 at 12:30 pm 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 Cl₂ <0.1 mg/L:Yes

Well Tag Number: Well Condition:

Tag not visible 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
pН	5.2 Units	EPA 150.1	*6.5-8.5 Units	***
Total Coliform E. Coli	<1.0 MPN/100mL <1.0 MPN/100mL	SM 9223B SM 9223B	<1.0 MPN/100mL <1.0 MPN/100mL	

Weather 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.



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

CERTIFICATE OF ANALYSIS

Requester:

Ms. Alice Jones

P.O. Box 371

Glen Arm, Maryland 21057

S/O Number: 07-2219

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2102 Fallston Road, 21047, GWUDI Testing

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112-1007

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Harford

Tax Map #:

N/A

Subdivision:

Fallston Seafood

Parcel #:

N/A

Date/Time Collected:

September 6, 2006 at 12:30 pm September 6, 2006 at 1:15 pm

Date/Time Received:

Sample Location:

Kitchen Tri-Sink Tap, Right Tap on Left Side of Tri-Sink

Sampler ID:

0887LF

Samples Iced:

Yes

Residual Cl₂ < 0.1 mg/L:Yes

Well Tag Number: Well Condition:

Tag not visible 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
pН	5.2 Units	EPA 150.1	*6.5-8.5 Units	***
Total Coliform E. Coli	<1.0 MPN/100mL <1.0 MPN/100mL	SM 9223B SM 9223B	<1.0 MPN/100mL <1.0 MPN/100mL	

leather a. 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

Sound, Stouring, R.S.

Gary M. Browning, R.S.

Transient Non-Community Water Systems Program Coordinator

Harford County Health Department

Encl. (2) GMB/gmb

Send Report To: State of Maryland DHMH - Laboratories Administration Lab No. Date Received	d
Division of Environmental Chemistry TRACE ORGANICS SECTION	
201 W. Preston Street, Baltimore, Maryland 21201 John M. DeBoy, Dr. P.H., Director	
LABORATORY ANALYSIS REQUEST Do not write above this	
LABORATORY ANALYSIS REQUEST	FC 11 5
Bottle No: Apple Hant / Site Name: Obstato Safe County: 4 1020	
Sample Source: 2108 Foldston 10 21P-2164 Location: Food Pup 10 Town or City Location: (well no., låb sint, sample to	
Sampler ID: 3 7 7 Plant ID: 0	
Collector: Ubana 443-643-0324 (include telephone number)	·····
Date Collected: 12/14/200 Time Collected: 158.m. p.m.	
Field Preserved: Yes \(\text{No} \) No Preservative Used: \(\text{1:1 HCI+Ascorbic acid} \) \(\text{Na_2So_4} \) \(\text{D} \) 6 mg N	H₄CI
Sample Type: Drinking Water Landfill Source (Raw Water) Community Stream Distribution (Treated) Non-Community Sediment Water Treatment Plant POF	
Frivate 11/2017	
Specify Program: SDWA NPDES CWA RCRA Consumer Products Other.	
Test Requested: Trihalomethanes Volatiles Semi-volatiles Haloacetic	Acids
FIELD DATA:	
pH Free CI Total CI Trip Blank Bottle No.: 13 - 27 3	
d x	1
410-872-9900	
Remarks: Drubbluell Sant THEUSER POLONS	
Dallo 00 Sauth	
Dallo 00 Sauth	
Remarks: Drillellell Sant THEUSER POLONS	-
Remarks: Dalbludd Sant Theusae Polisis Laboratory Supervisor: Oku hmm / Man Date Reported: 1/4/08 Phone: (410) 767-4388 Fax: (410) 225-9318 Rom Revised 12/05 DHMH 4362 (01/07) Rom Revised 12/05 DEAL MTBB	Pb.
Remarks: Dalbludd Sant Theusae Polisis Laboratory Supervisor: Oku hmm / Man Date Reported: 1/4/08 Phone: (410) 767-4388 Fax: (410) 225-9318 Rom Revised 12/05 DHMH 4362 (01/07) Rom Revised 12/05 DEAL MTBB	

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: Date Analyzed:	981102 HA-271 12/25/2007			Method: EPA 524.2			
Contaminants TRIHALOMETHANES	<u>DL*</u>	MCL*	Results*	Contaminants UNREGULATED	DL*	MCL*	Results*
Bromodichloromethane	0.5	N/A	ND	Dichlorodifluoromethane	0.5	N/A	ND
Bromoform	0.5	N/A	ND	Chloromethane	0.5	N/A	ND
Chloroform	0.5	N/A	ND	Bromomethane	0.5	N/A	ND
Dibromochloromethane	0.5	N/A	ND	Chloroethane	0.5	N/A	ND
Total THMs	•	80	ND	Trichlorofluoromethane	0.5	N/A	ND
•				1,1-Dichloroethane	0.5	N/A	ND
REGULATED	•			1,3-Dichlorobenzene	0.5	N/A	ND
Benzene	0.5	5	ND	Dibromomethane	0.5	N/A	ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene	0.5	N/A	ND
Chlorobenzene	0.5	100	ND	Cis-1,3-Dichloropropene	0.5	N/A	ND
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachloroethane	0.5	N/A	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	N/A	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	N/A	ND
1,2-Dichlorobenzene	0.5	600	ND	Trans-1,3-Dichloropropene	0.5	N/A	ND
1,2-Dichloropropane	0.5	5	ND	2-Chiorotoluene	0.5	N/A	ND
Cis-1,2-Dichloroethene	0.5	70	ND	4-Chlorotoluene	0.5	N/A	ND
Trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	N/A	ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene	0.5	N/A	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	N/A	ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	N/A	ND
Trichloroethene	0.5	5	ND	n-Propyibenzene	0.5	N/A	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene	0.5	N/A	ND
Toluene	0.5	1000	ND	Naphthalene	0.5	N/A	ND
Vinyl Chloride	· 0.5	2	ND	Hexachlorobutadiene	0.5	N/A	ND
o-Xylene	0.5	N/A	ND	Isopropylbenzene	0.5	N/A	ND
m + p xylene	1	N/A	ND	1,2,3-Trichloropropane	0.5	N/A	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	N/A	ND
Methylene Chloride	1	5	ND	p-Isopropyitoluene	0.5	N/A	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	N/A	ND
1,2,4-Trichlorobenzene	0.5	70	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 ·
*All Results are in parts pe	r billion (ppb)			Methyl-tert-Butyl Ether (MTBE)	0.5	N/A	1.43
ND = Less than the detection	on limit			Ethyl-tert-Butyl Ether (ETBE)	0.5	N/A	ND
N/A = Not Applicable				tert-Amyl Methyl Ether (TAME)	0.5	N/A	ND

upervisor Chalmm /

e = Estimated value

Date Approved: _

Fax: (410) 225-9318

Phore: (410) 767-5855

State of Maryland Lab No. Date Received **DHMH** - Laboratories Administration Division of Environmental Chemistry TRACE ORGANICS SECTION 201 W. Preston Street, Baltimore, Maryland 21201 John M. DeBoy, Dr. P.H., Director 981332 JM 308 **ANALYSIS REQUEST** Sample Source Sampler ID: Plant ID: **Date Collected** Time Collected: \(\square\$ Preservative Used: 1:1 HCI+Ascorbic acid \square Na₂So₄ \square 6 mg NH₄CI Source (Raw Water) ☑ Drinking Water Sample Type: □ Landfill ☐ 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: ☐ Tribalomethanes □ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids FIELD DATA: Field Blank Bottle No.: Trip Blank Bottle No.: Date Reported: 2,14,08 **Laboratory Supervisor:** •Phone: (410) 767-4388 •Fax: (410) 225-9318

Form Revised 12/05 DHMH 4362 (01/07)

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			Method: EPA 524.2			
Date Analyzed:	2/7/2008						
Contaminants TRIHALOMETHANES	DL*	MCL*	Results*	Contaminants UNREGULATED	DL*	MCL*	Results*
Bromodichioromethane	0.5	N/A	ND	Dichlorodifluoromethane	0.5	N/A	ND
Bromoform	0.5	N/A	ND	Chloromethane	0.5	N/A	ND
Chloroform	0.5	N/A	ND	Bromomethane	0.5	N/A	ND
Dibromochloromethane	0.5	N/A	ND	Chloroethane	0.5	N/A	ND
Total THMs	-	80	ND	Trichlorofluoromethane	0.5	N/A	ND
				1,1-Dichloroethane	0.5	N/A	ND
REGULATED				1,3-Dichlorobenzene	0.5	N/A	ND
Benzene	0.5	5	ND	Dibromomethane	0.5	N/A	ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene	0.5	N/A	ND
Chiorobenzene	0.5	100	ND	Cis-1,3-Dichloropropene	0.5	N/A	ND
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachloroethane	0.5	N/A	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	N/A	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	N/A	ND
1,2-Dichlorobenzene	0.5	600	ND	Trans-1,3-Dichloropropene	0.5	N/A	ND
1,2-Dichloropropane	0.5	5	ND	2-Chlorotoluene	0.5	N/A	ND
Cis-1,2-Dichloroethene	0.5	70	ND	4-Chiorotoluene	0.5	N/A	ND
Trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	N/A	ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene	0.5	N/A	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	N/A	ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	N/A	ND
Trichloroethene	0.5	5	ND	n-Propylbenzene	0.5	N/A	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene	0.5	N/A	ND
Toluene	0.5	1000	2.36	Naphthalene	0.5	N/A	ND
Vinyl Chloride	0.5	2	ND	Hexachlorobutadiene	0.5	N/A	ND
o-Xylene	0.5	N/A	ND	Isopropyibenzene	0.5	N/A	ND
m + p xylene	1	N/A	ND	1,2,3-Trichloropropane	0.5	N/A	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	N/A	ND
Methylene Chloride	1	5	ND	p-isopropyltoluene	0.5	N/A	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	NA	ND
1,2,4-Trichlorobenzene	0.5	70	ND	sec-Butylbenzene	0.5	N/A	ND
				Bromochloromethane	0.5	NA	ND
				1,1,2-Tetrachloroethane	0.5	N/A	ND
				1,2-Dibromoethane	0.5	N/A	ND
*All Results are in parts per	billion (ppb)			Methyl-tert-Butyl Ether (MTBE)	0.5	N/A	1.21
ND = Less than the detection	n limit			Ethyl-tert-Butyl Ether (ETBE)	0.5	N/A	ND
N/A = Not Applicable				tert-Arnyl Methyl Ether (TAME)	0.5	N/A	ND
e = Fetimated value						1	****

Supervisor: Chehm /

e = Estimated value

Commiss Name ...

004000 ...

Date Approved: 2/14/08

Phone: (410) 767-5855



HARFORD COUNTY HEALTH DEPARTMENT

120 S. Hays Street

P.O. Box 797

Bel Air, Maryland 21014-0797

Health Opticer

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 <u>07/23/09</u>. 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

State of Maryland DHMH - Laboratories Administration Antibro Co HRACH JEPT Division of Environmental Chemistry TRACE ORGANICS SECTION 201 W Presson Street, Baltimone, Maryland 2(20) John M. DeBoy, Dr. P.H., Director	Do not write above this line.
Ho-905/Hg - County Bottle No: Plant / Site Name: Falls for Location: Locati	Anten Control
Sámpler ID: 322425 PWSID: 42222222	Twen no. ion sine, summe up, etc.)
Date Collected: 2/28/200 7 Time Collected: a.m./2/22p.n. Field Preserved: Yes □ No Preservative Used: □ 1:1 HCI+Ascorbic acid □ N	aSo₄ □ 6 mg NH,Cl
Sample Type: Drinking Water Dandfill Source (Raw Water) Source (Raw Water) Stream Distribution (Treated) One-Community Sediment Water Treatment Plant POF Distribution (Treated) Water Treatment Plant POF	Solid / J Other / J
Test Requested: [] Trihalomethanes	Haloacetic Acids
FIELD DATA: O O O Field Blank Bottle No. TA	
Remarks: DRILLES WELL	8,73,89
Phone: (410) 767-4388 Para Revised 508 DENER (420) 225-9318 WWW. JOLLAND J. J	
SUBMITTER'S GOPY	

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: Date Analyzed:	900081 TB 7/28/2009			Method:	EPA 5	24.2	
Contaminants TRIHALOMETHANES	DL*	MCL*	Result*	Contaminants	DL*	MCL*	Result*
Bromodichloromethane	0.5		. ND	UNREGULATED Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5 0.5	na na	. ND	Chloromethane	0.5	na	ND
Chloroform	0.5	na na	ND	Bromomethane	0.5	na na	ND
Dibromochloromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs	0.5	80	ND	Trichlorofluoromethane	0.5	na	ND
TOTAL ITIMS	•	6 0	-	***************************************	0.5	na na	ND
REGULATED				1,1-Dichloroethane	0.5		ND
Benzene	0.5		ND	1,3-Dichlorobenzene		na	
Carbon Tetrachloride	0.5	5	ND	Dibromomethane	0.5	na	ND
	0.5	5	ND	1,1-Dichloropropene	0.5	na	ND
Chlorobenzene	0.5	100	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	7 5	ND	1,1,2,2-Tetrachloroethane	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	na	ND
1,2-Dichlorobenzene	0.5	600	ND	cis-1,3-Dichloropropene	0.5	na	ND
1,2-Dichloropropane	0.5	5	ND	2-Chlorotoluene	0.5	na	ND
cis-1,2-Dichloroethene	0.5	70	ND	4-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	na	ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene	0.5	na	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	na	ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
Trichloroethene	0.5	5	ND	n-Propylbenzene	0.5	na	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene	0.5	na	ND -
Toluene	0.5	1000	ND	Naphthalene	0.5	na	ND
Vinyl Chloride	0.5	2	ND	Hexachlorobutadiene	0.5	na	ND
o-Xylene	0.5	na	ND	Isopropyibenzene	0.5	na	ND
m+p-Xylene	1.0	na	ND	1,2,3-Trichloropropane	0.5	·na	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	na	ND
Methylene Chloride	0.5	5	· ND	p-isopropyitoluene	0.5	na	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	na	ND
1,2,4-Trichlorobenzene	0.5	70	ND	sec-Butylbenzene	0.5	na	ND
				Bromochloromethane	0.5	na	ND
				1,1,1,2-Tetrachloroethane	0.5	na	ND
*All results are in parts pe	r billion (ppb)			1,2-Dibromoethane	0.5	na	ND
ND = Less than the detect			•	Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
na = not applicable				Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
, , , , ,				4 4 A 3 B & 3 prest 4 A A A A A A			NIPS

e = estimated value

· ND

tert-Amyl Methyl Ether (TAME)

Phone: (410) 767-5855

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	Method:	EPA 524.2
Date Analyzed:	7/28/2009		

Contaminants	DL*	MCL*	Result*	Contaminants	DL.	MCL*	Result*
TRIHALOMETHANES				UNREGULATED			
Bromodichloromethane	0.5	na	ND	Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5	na	ND	Chioromethane	0.5	na	ND
Chloroform	0.5	na	ND	Bromomethane	0.5	na	ND
Dibromochloromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs	•	80	-	Trichlorofluoromethane	0.5	na	ND
				1,1-Dichloroethane	0.5	na	ND
REGULATED	•			1,3-Dichlorobenzene	0.5	na	ND
Benzene	0.5	5	ND	Dibromomethane	0.5	na	ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene	0.5	na	ND -
Chlorobenzene	0.5	100	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachioroethane	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	na	ND .
1,2-Dichlorobenzene	0.5	600	ND	cis-1,3-Dichloropropene	0.5	na	ND
1,2-Dichloropropane	0.5	5	ND	2-Chlorotoluene	0.5	na	ND
cis-1,2-Dichloroethene	0.5	70	ND	4-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	na	ND
Ethylbenzene	0.5	700	ND	1,3,5-Trimethylbenzene	0.5	na	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	na	, ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
Trichloroethene	0.5	5	ND	n-Propylbenzene	0.5	na	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene	0.5	na	ND
Toluene	0.5	1000	ND	Naphthalene	0.5	na	ND
Vinyl Chloride	0.5	2	ND	Hexachlorobutadiene	0.5	na	ND
o-Xylene	0.5	na	ND	Isopropylbenzene	0.5	na	ND
m+p-Xylene	1.0	na	ND	1,2,3-Trichloropropane	0.5	na	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	na	ND
Methylene Chloride	0.5	5	ND	p-isopropyltoluene	0.5	na	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	na	ND
1,2,4-Trichlorobenzene	0.5	70	ND	sec-Butylbenzene	0.5	na	ND
				Bromochloromethane	0.5	na	ND
				1,1,1,2-Tetrachloroethane	0.5	na	ND
*All results are in parts per t	oillion (ppb)			1,2-Dibromoethane	0.5	na	ND
ND = Less than the detection	n limit			Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
na = not applicable				Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
e = estimated value				tert-Amyl Methyl Ether (TAME)	0.5	na	ND

Section Chief:	Sadrá	Muheem	Date Approved:	8/13/09
0000011 0111011 <u></u>		······································		

Phone: (410) 767-5855 Fax: (410) 225-9318

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

Method:

Sample Name:

900081 HA-926

EPA 524.2

Date	Analyze	d:

7/28/2009

Date Allalyzeu.	1120/2009						
Contaminants TRIHALOMETHANES	DL*	MCL*	Result*	Contaminants UNREGULATED	DL*	MCL*	Result*
Bromodichloromethane	0.5	na	ND	Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5	na	ND	Chloromethane	0.5	na	ND
Chloroform	0.5	na	ND	Bromomethane	0.5	na	ND
Dibromochloromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs		80		Trichiorofluoromethane	0.5	na	ND
				1,1-Dichloroethane	0.5	na	ND
REGULATED				1,3-Dichlorobenzene	0.5	na	ND
Benzene	0.5	5	ND	Dibromomethane	0.5	na	ND
Carbon Tetrachloride	0.5	5	ND	1,1-Dichloropropene	0.5	na	ND
Chlorobenzene	0.5	100	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	75	ND	1,1,2,2-Tetrachloroethane	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	2,2-Dichloropropane	0.5	na	ND
1,2-Dichlorobenzene	0.5	600	ND .	cis-1,3-Dichloropropene	0.5	na	ND
1,2-Dichloropropane	0.5	5	ND	2-Chlorotoluene	0.5	na	ND
cis-1,2-Dichloroethene	0.5	70	ND	4-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	Bromobenzene	0.5	na	ND
Ethylbenzene	0.5	700	ND ·	1,3,5-Trimethylbenzene	0.5	na	ND
Styrene	0.5	100	ND	1,2,4-Trimethylbenzene	0.5	na	ND
Tetrachloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
Trichloroethene	0.5	5	ND	n-Propylbenzene	0.5	na	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Butylbenzene	0.5	na	ND
Toluene	0.5	1000	ND	Naphthalene	0.5	na	ND
Vinyl Chloride	0.5	2	ND	Hexachlorobutadiene	0.5	na	ND
o-Xylene	0.5	na	ND	isopropylbenzene	0.5	na	ND
m+p-Xylene	1.0	na	. ND	1,2,3-Trichloropropane	0.5	na	ND
Total Xylenes	1.5	10000	ND	1,2-Dibromo-3-Chloropropane	0.5	na	ND
Methylene Chloride	0.5	5	ND	p-isopropyitoluene	0.5	na	ND
1,1,2-Trichloroethane	0.5	5	ND	tert-Butylbenzene	0.5	na	ND
1,2,4-Trichlorobenzene	0.5	70	ND	sec-Butylbenzene	0.5	na	ND
				Bromochloromethane	0.5	na	ND
				1,1,1,2-Tetrachloroethane	0.5	na	ND
*All results are in parts per	billion (ppb)			1,2-Dibromoethane	0.5	na	ND'
ND = Less than the detection	on limit			Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
na = not applicable				Ethyl-tert-Butyl Ether (ETBE)	0.5	· na	ND

e = estimated value

tert-Amyl Methyl Ether (TAME)

ND

Phone: (410) 767-5855



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

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: State of Maryland	
Harford County that the Division of Environmental Chemistry	Lab No. Date Received
TRACE ORGANICS SECTION	
Ioho M DeBoy Dr P W Director	
Rol Air. M7 21014	
LABORATORY ANALYSIS REQUEST	Do not write above this line
Bottle No: PE-CHA Plant/Site Name: Fallson Sat County Map H3 Famo 1308, Tax ID#CH03 Sample Source: 2108 Fallson fd Fallston Location: A Street Town or City	: Harford Erkhan hardsink
Sampler ID: 4811 PWSID: LLLLLL	Plant ID:
Collector: Potor Smill (410)877-2321 (include telephone number)	
Date Collected: 1/5/200 Time Collected: 11:00a.m. p.m.	•
Field Preserved: ☐Yes ☐No Preservative Used: ☐ 1:1 HCl+Ascorbic acid ☐ Na	22SO4 □ 6 mg NH4Cl
Sample Type: Drinking Water Community Non-Community Private Landfill Source (Raw Water) Distribution (Treated) Water Treatment Plant POE	☐ Liquid ☐ Solid ☐ Other
Specify Program: ☐ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Produc	cts 🗆 Other
Test Requested: ☐ Trihalomethanes ☐ Volatiles ☐ Semi-volatiles	☐ Haloacetic Acids
FIELD DATA: 5.8 DH Free CI Total CI Field Blank Bottle No.: PS5 - Trip Blank Bottle No.: PS5 -	TP
Remarks:	
Laboratory Supervisor: Jada Mengen Date Reported: 1	1 22/ 2010.
Form Revised 6/04 DHMH 4362 6/04 E10002829006 Received: 01/05/2010 EPA 524.2	a



HARFORD CO HD ENVIRO HLTH PO BOX 797 / 120 S HAYS ST BEL AIR, MD 21014

Lab. No: E10002829006

State or interior 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

Method: EPA 524.2 VOCs and THMs

Date Collected: 01/05/2010 01/09/2010 01/06/2010 Date Received: Date Analyzed: **\$mith** Submitted By: PS5-04A/B Field ID: Result DL 0.5 MCL <u>Contaminant</u> Result MCL ΝD DL Contaminant 2-Chlorotoluene ND 0.5 REGULATED 4-Chlorotoluene ND ND 200 0.5 0.5 1,1,1-Trichloroethane Bromobenzene ND ND 5 0.5 0.5 1,1,2-Trichloroethane Bromochloromethane ND ND 7 0.5 0.5 1,1-Dichlomethene Bromomethane 70 ND ND 0.5 0.5 1,2,4-Trichlorobenzene Chloroethane ND 600 ND 0.5 0.5 1.2-Dichlorobenzenø Chloromethane ND ND 5 0.5 0.5 1,2-Dichloroethane cis-1,3-Dichloropropene ND ND 5 0.5 0.5 1,2-Dichloropropane Dibromomethane ND ND 0.5 **7**5 0.5 Dichlorodifluoromethane 1,4-Dichlorobenzene ND ND 0.5 5 0.5 Ethyl-tert-Butyl Ether (ETBE) Benzene ND ND 0.5 5 0.5 Hexachlorobutadione Carbon Tetrachlorida ND ND 0.5 100 0.5 Chlorobenzene Isopropylbenzene ND 1.36 70 0.5 Methyl-tert-Butyl Ether (MTBE) 0.5 cis-1,2-Dichloroethene ND ND 700 0.5 0.5 Ethylbenzene Naphthalene ND ND 1.0 0.5 n-Butylbenzene m+p-Xylene ND ND 5 0.5 0.5 Methylene Chloride n-Propylbenzene ND ND 0.5 0.5 p-isopropyltoluenė o-Xylene 100 ND ND 0.5 0.5 sec-Butylbenzene Styrene ND ND 0.5 5 0.5 tert-Amyl Methyl Ether (TAME) Tetrachloroethene ND ND 1000 0.5 0.5 Toluene tert-Butylbenzene ND ΝÞ 10000 1.5 0.5 trans-1,3-Dichloropropene **Total Xylenes** ND ND 100 0.5 0.5 trans-1,2-Dichloroethene Trichlorofluoromethane NĎ 0.5 5 Trichloroethene NĎ 2 0.5 Vinyi Chloride TRIHALOMETHANES Comments: ND 0.5 Bromodichloromethane ND 0.5 Bromoform Approval date: ND 0.5 Approved by: Chloroform ND 0.5 Dibromochioromethane 0.00 80 **TOTAL THMs** 01/22/2010 UNREGULATED ND 0.5 1,1,1,2-Tetrachloroethane ND 0.5 1,1,2,2-Tetrachloroethane ND 0.5 1.1-Dichloroethane ND 0.5 1,1-Dichloropropena ND 0.5 1,2,3-Trichlorobenzene ND 0.5 1,2,3-Trichloropropane ND 0.5 1,2,4-Trimethylbenzene ND 5.0 1,2-Dibromo-3-Chloropropane_, ND 0.5 1.2-Dibromoethane ND 0.5 1,3,5-Trimethylbenzene ND 0.5 1,3-Dichlorobenzene ND 0.5 1,3-Dichloropropane ND 0.5

2,2-Dichloropropane, *All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received information in error, please call (410) 767-6648 and arrange for return or destruction.

Telephone: (410) 767 -6648 Fax: (410) 225-2451

S:\EnviroFinal-Organics.



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 21, 2012

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

•	Many		,	. , , ,
Send Report To: Hartord Co. Health Dep 1205 flays St./Po. BOLAir, MD 21014	DHMH - Labe Division of Er TRACE OR Z01 W. Preston Street John M. Del	DANICS SECTION Et, Baltimore, Maryland 21201 Boy, Dr. P.H., Director	Accountille Sudy 2012 EST	Do not write above this line
PS 12 9-02 Bottle No: PS 12 9-02	/ Plant / Site Name: _	Fallston S	ented County:	Harford
Sample Source: 2/08 F	allston Rd	Fallsfo Town or City	Location:	well no., lab sink, sample tap, etc.)
Sampler ID:		sid: 112		Plant ID:
Collector:	er Smith (4/0 877	-2321	
Date Collected: 5/8/2	00 2 Time	Collected: //: (5	_ Za.m p.m.	Temp:
Field Preserved: Yes \(\square\) No	Preservative Used	ı: لبلال HCI+Aso	corbic acid Na,	So, 6 mg NH,CI
Sample Type: Drinking Commun Non-Con Private	y Water ☐ Landfill ☐ Stream	Source (Ra	_	☐ Liquid ☐ Solid ☐ Other
Specify Program: DSDWA	NPDES CV	WA 🗆 RCRA [☐ Consumer Prod	ucts 🗆 Other
Test Requested: □ Trihalor	nethanes 🕒	Volatiles	Semi-volatiles	☐ Haloacetic Acids
FIELD DATA:		Blank Bottle No.	FS/29-F	ΞÞ
pH Free C	Trip	Blank Bottle No.:	<u>PS (29-</u>	TP
Damaulra			,	
Remarks:				

Laboratory Supervisor:

Date Reported: ___/___/___

"Phone: (410) 767-4388

•Fax: (410) 225-9318

Form Revised 5/08 DHMH 4362 (03/08)



05/10/2012

Date Analyzed:

09-05-13;10:45AM;



HARFORD CO HD ENVIRO HLTH PO BOX 797 / 120 S HAYS ST BELAIR, MD 21014

Lab. No: E12005779004

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

Method: EPA 524,2 VOCs and THMs

Date Collected: 05/08/2012 05/09/2012 Date Received: Submitted By: Smith

Field ID: PS129-02A/B <u>DL</u> 0.5 MCL Result **Contaminant** Result Contaminant DL MCL ND 2-Chlorotoluene REGULATED ND 0.5 4-Chlorotoluene 1.1.1-Trichloroethane 0.5 200 NĎ ND Bromobenzene 0,5 1,1,2-Trichloroethane ND 0.5 5 ND 0,5 Bromochloromethane 7 ND 0.5 1.1-Dichloroethene ND 0.5 Bromomethane NĎ 0.5 70 1.2.4-Trichlorobenzene ND Chloroethane 0.5 600 NĎ 0.5 1,2-Dichlorobenzene 0.5 ND Chloromethane 0.5 5 NĎ 1,2-Dichloroethane 0.5 ND cis-1,3-Dichloropropene ND 0.5 5 1,2-Dichloropropane ND Dibromomethane 0.5 ND 75 1,4-Dichlorobenzene 0.5 0.5 ND Dichlorodifluoromethane ND Benzene 0.5 5 ND 0.5 Ethyl-tert-Butyl Ether (ETBE) ND 0.5 5 Carbon Tetrachloride ND Hexachlorobutadiene 0.5 Chlorobenzene 0.5 100 ND ND 0,5 isopropylbenzene 0.5 ND cis-1.2-Dichloroethene 70 2.09 Methyl-tert-Butyl Ether (MTBE) 0.5 700 NĎ Ethylbenzene 0.5 Naphthalene ND 0.5 1.0 ND m+p-Xylene 0.5 ND n-Butylbenzene Methylene Chloride 0.5 5 ND 0.5 ND n-Propylbenzene ND 0.5 o-Xylene ND 0.5 p-Isopropyltoluena ND 100 0.5 Styrene ND 0.5 sec-Butylbenzene ND Tetrachloroethene 0.5 5 ND tert-Amyl Methyl Ether (TAME) 0.5 ND 1000 0.5 Toluene ND 0.5 tert-Butylbenzene ND 10000 **Total Xvienes** 1.5 ND trans-1.3-Dichloropropene 0.5 100 ND trans-1,2-Dichloroethene 0.5 ND 0.5 Trichlorofluoromethane ND 0.5 5 Trichloroethene 0.5 2 ND Vinyl Chloride TRIHALOMETHANES Comments: 0.5 ND Bromodichloremethane ND 0.5 Bromoform 0.5 ND Chloroform Approval date: Approved by: 0.5 ND Dibromochloromethane 0.00 RΛ **TOTAL THMs** 05/11/2012 UNREGULATED 0.5 ND 1,1,1,2-Tetrachloroethane 0.5 ND 1,1,2,2-Tetrachloroethane ND 0.5 1.1-Dichloroethane ND 0.5 1.1-Dichloropropene ND 1.2.3-Trichlorobenzene 0.5 ND 0.5 1,2,3-Trichloropropane1,2,4-Trimethylbenzene. ND 0.5 1,2-Dibromo-3-Chloropropane ND 0.5 ND 0.5 1,2-Dibromoethane 0.5 ND 1,3,5-Trimethylbenzene 0.5 ND 1,3-Dichiorobenzene ND 0.5 1,3-Dichloropropane ND 2,2-Dichloropropane 0.5

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Telephone: (410) 767 -6648 Fax: (410) 225-2451

^{*}All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate



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

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: State of Maryland Lab No. Date Received
Harton Count Hath Don' - IT Division of Environmental Chemistry
TRACE ORGANICS SECTION 201 W. Preston Street, Bultimore, Maryland 21201
BAAR MD 21014 John M. DeBoy, Dr. P.H., Director
LABORATORY ANALYSIS REQUEST Do not write above this line
Bottle No: 12-026 Plant/Site Name: Mor Mathier County: Harford
Sample Source: 21th Council Col. Follow Location: 4 the Street Town or City Location: (well no., lab sink, sample tap, etc.)
Sampler ID: PWSID: PWSID: Plant ID: Plant ID:
Collector: Potor Smith (410)877-2321 (include telephone number)
Date Collected: 1 13/200 Time Collected: a.m. 2'cop.m.
Field Preserved: Tyes DNo Preservative Used: The HCl+Ascorbic acid Na ₂ SO ₄ 6 mg NH ₄ Cl
Sample Type:
Specify Program: ☐ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other
Test Requested: ☐ Trihalomethanes ☐ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids
FIELD DATA: (D) (T) Field Blank Bottle No.: (S/3-F)
pH Free Cl Total Cl Trip Blank Bottle No.: PS/3-TP
Remarks: 7/1, 1/3/ 2011
<u> </u>
Laboratory Supervisor: Andra Museum Date Reported: 1 12-21 2010
Phone: (410) 767-4388
Form Revised 6/04 DHMH 4362 6/04
E10002986004 Received: 01/14/2010 EPA 524.2
Trace Organics PS13-02A/B

09-05-13;10:27AM;



HARFORD CO HD ENVIRO HLTH PO BOX 797 / 120 S HAYS ST BEL AIR, MD 21014

Lab. No: E10002986004

Date Received:

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

Method: EPA 524.2 VOCs and THMs

Date Collected: 01/13/2010 01/14/2010 Submitted By: Peter Smith

Date Received: 01/14/	ZUIU		Date Collected:				
Field ID: PS13-02A/B			Submitted By:	Peter Smith	Date A	nalyzed:	01/15/2010
Contaminant REGULATED	<u>DL</u>	MCL	Result	Contaminant 2-Chlorotoluene	<u>DL</u> 0.5	MCL	Result ND
1,1,1-Trichloroethane	0.5	200	ND	4-Chlorotoluene	0.5		ND
1.1.2-Trichloroethane	0.5	5	ND	Bromobenzene	0.5		ND
1,1-Dichloroethene	0.5	7	ND	Bromochloromethane	0.5		ND
1.2.4-Trichlorobenzene	0.5	70	ΝĎ	Bromomethane	0.5		ND
1.2-Dichlorobenzene	0.5	600	ND	Chloroethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloromethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	cis-1,3-Dichloropropene	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	Dibromomethane	0,5		- ND
Benzene	0.5	5	ND	Dichlorodlfluoromethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Chlorobenzene	0.5	100	ND	Hexachlorobutadiene	0.5		ND
cis-1,2-Dichloroethene	0.5	70	ND	lsopropylbenzene	0.5		ND
Ethylbenzene	0.5	700	ND	Methyl-tert-Butyl Ether (MTBE)	0.5		ND
m+p-Xylene	1.0		ND	Naphthalene	0.5		ND
Methylene Chloride	0.5	5	ND	n-Butylbenzene	0.5		ND
o-Xylene	0.5		ND	n-Propylbenzene	0.5		ND
Styrene	0.5	100	ND	p-Isopropyltoluene	0.5		ND
Tetrachloroethene	0.5	5	ND	sec-Butylbenzene	0.5		ND
Toluene	0.5	1000	ND	tert-Amyl Methyl Ether (TAME)	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Butylbenzene	0.5		ND
trans-1,2-Dichloroethene	0.5	100	ND	trans-1,3-Dichloropropene	0.5		ND 🖟
Trichloroethene	0.5	5	ND	Trichlorofluoromethane	0.5		ND
Vinyl Chloride	0.5	2	ND				
TRIHALOMETHANES				1			
Bromodichloromethane	0.5		ND	Comments:			
Bromoform	0.5		ND				
Chloroform	0.5		0.52	1			
Dibromochloromethane	0.5		ND	Approved by:		Approva	al date:
TOTAL THMs		80	0.52				
UNREGULATED				Sadia Mun		Δ.	1/25/2010
1,1,1,2-Tetrachloroethane	0.5		ND			· <u>v</u>	1/25/2010
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-Chioropropane	5.0		ND 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				
To Pictorahiaharia	J.J		110				

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

ND

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Telephone: (410) 767 -6648 Fax: (410) 225-2451

2,2-Dichloropropane

`... **0.5**



HARFORD COUNTY HEALTH DEPARTMENT

120 S. Hays Street

P.O. Box 797

Bel Air, Maryland 21014-0797

Health Officer

Russell W. Moy, MD, MPH
Deputy Health Officer

410-877-2321 FAX: 443-643-0334 May 30, 2012

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

Send Report To:	State of Maryland 20 (2 Lab No. Date Received
	DHMH - Laboratories Administration Division of Environmental Chemistry
	TI-QUALITY
	John M. DeBoy, Dr. P.H., Director
BAIMIT, 19113/11014	Do not write above this line
	ATORY ANALYSIS REQUEST
Bottle No: PS/30-OHPlant/Site N	Name: Mary M. Hara County: Hartord
Sample Source: 2118 Round H	Town or City Location: Literan Sink, sample tap, etc.)
Sampler ID: 481165	PWSID:
Collector: Poter S	mith (41087-232) (include telephone number)
Date Collected: 5/9/2002	Time Collected: //./5 a.m. p.m. Temp:°C
Field Preserved: □ Yes □ No Preserva	ative Used: 1:1 HCI+Ascorbic acid Na ₂ So ₄ 6 mg NH ₄ CI
, 🗆 Community 📮	Landfill ☐ Source (Raw Water) ☐ Liquid Stream ☐ Distribution (Treated) ☐ Solid Sediment ☐ Water Treatment Plant POE ☐ Other
Specify Program: □ SDWA □ NPDE	ES 🗆 CWA 🗆 RCRA 🗆 Consumer Products 🗆 Other
Test Requested: Trihalomethanes	☑ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids
FIELD DATA: 65 Pree CI Total CI	Field Blank Bottle No.: PS/30-FD Trip Blank Bottle No.: PS/30-TP
Remarks: Field blank was	s rejected due to bubble in vial.
Z 4 A1	
Laboratory-Supervisor:	Date Reported:
•Phone: (410	•Fax: (410) 225-9318
Form Revised 5/08	

DHIMH 4362 (03/08)

E12005797006 Received: 05/10/2012 EPA 524.2



HARFORD CO HD ENVIRO HLTH PO BOX 797 / 120 S HAYS ST BELAIR, MD 21014

Lab. No: E12005797006

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

Method: EPA 524.2 VOCs and THMs

05/10/2012 Date Collected: 05/09/2012

Date Received: Date Analyzed: 05/15/2012 Submitted By: Smith P\$130-04A/B Field ID: Contaminant DL MCL **Contaminant** DL MCL Result 0.5 2-Chlorotoluene REGULATED ND 4-Chlorotoluene 0.5 0.5 200 ND 1,1,1-Trichloroethane 0.5 ND Bromobenzene ND 0.5 5 1,1,2-Trichloroethane ND Bromochloromethane 0.5 ND 7 0.5 1,1-Dichloroethene ND Bromomethane 0.5 ND 70 1.2.4-Trichlorobenzene 0.5 0.5 ND Chloroethane 600 ND 1,2-Dichlorobenzene 0.5 0.5 ND Chloromethane 0.5 5 ND 1,2-Dichloroethane cis-1,3-Dichloropropene 0.5 ND 0.5 5 ND 1,2-Dichloropropane 0.5 ND Dibromomethane 1,4-Dichlorobenzene 0.5 75 ND Dichlorodifluoromethane 0.5 ND Benzene 0.5 5 ND ND Ethyl-tert-Butyl Ether (ETBE) 0.5 0.5 5 ND Carbon Tetrachloride 0.5 ND Hexachiorobutadiene ND 0.5 100 Chlorobenzene Isopropylbenzene 0.5 ND 70 ND 0.5 cis-1,2-Dichloroethene Methyl-tert-Butyl Ether (MTBE) 0.5 0.55 700 ND Ethylbenzene 0.5 ND Naphthalene 0.5 ND m+p-Xylene 1.0 0.5 ND n-Butvlbenzene Methylene Chloride 0.5 5 ND ND n-Propylbenzene 0.5 0.5 ND o-Xylene ND 0.5 p-Isopropyltoluene Styrene 0.5 100 ND 0.5 ND ND sec-Butylbenzene Tetrachloroethene 0.5 ND 0.5 tert-Amyl Methyl Ether (TAME) 0.5 1000 ND Toluene 0.5 ND 1.5 10000 ND tert-Butylbenzene **Total Xylenes** ND 0.5 trans-1,3-Dichloropropene trans-1,2-Dichloroethene 0.5 100 ND ND Trichlorofluoromethane 0.5 Trichloroethene 0.5 5 ND 2 ND Vinyl Chloride 0.5 **TRIHALOMETHANES** Comments: ND Bromodichloromethane 0.5 ND 0.5 Bromoform 0.69 0.5 Chloroform Approved by: Approval date: ND Dibromochloromethane 0.5 80 0.69 **TOTAL THMs** UNREGULATED 05/16/2012 ND 1,1,1,2-Tetrachloroethane 0.5 ND 1,1,2,2-Tetrachloroethane 0.5 0.5 NĎ 1,1-Dichloroethane 1.1-Dichloropropene 0.5 ND 1,2,3-Trichlorobenzene 0.5 ND

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

ND

ND

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1,2,3-Trichloropropane

1,2-Dibromo-3-Chloropropane

___1,2,4-Trimethylbenzene

1,2-Dibromoethane

1,3,5-Trimethylbenzene

1,3-Dichlorobenzene

1,3-Dichloropropane 2,2-Dichloropropane 0.5

0.5

0.5

0.5

0.5

0.5 0.5



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: State of Maryland	
that Cord Court that De - Et DHMH - Laboratories Administration Division of Environmental Chemistry The Cord Court that De - Et DHMH - Laboratories Administration Division of Environmental Chemistry	Lab No. Date Received
TRACE ORGANICS SECTION	
Internal Department of the Control o	5
BAAII MD 21014	
LABORATORY ANALYSIS REQUEST	Do not write above this line
Bottle No: 13-01 Plant/Site Name: Jay Kliga Coun	- Hacker
Sample Source: 2120 Round hill Red. For Location: Street Town or City	(well no., lab sink, sample tap. etc.)
Sampler ID: GG G PWSID: PWSID:	Plant ID:
Collector: Poter Smith (416)877-2321 (include telephone number)	
Date Collected: 1/3/200 Time Collected: a.m. 1.30p.r	n,
Field Preserved: □Yes □No Preservative Used: □-1:1 HCl+Ascorbic acid □	Na ₂ SO ₄ □ 6 mg NH ₄ Cl
Sample Type: ☐ Drinking Water ☐ Landfill ☐ Source (Raw Water) ☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Non-Community ☐ Sediment ☐ Water Treatment Plant POE ☐ Private	□ Solid
Specify Program: ☐ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Pro-	iucts 🗆 Other
Test Requested: ☐ Trihalomethanes ☐ Volatiles ☐ Semi-volatiles	☐ Haloacetic Acids
	3-F.D
pH Free Cl Total Cl Trip Blank Bottle No.: 15/3	3-TP
/	
Remarks: 7 45 207 W. C.	
JIM TO MALL OF THE PARTY OF THE	
Laboratory Supervisor: Date Reported: Date Reported:	1/27-1/2-10
Phone: (410) 767-4388 • Fax: (410) 225-9318	· · · · · · · · · · · · · · · · · · ·
E10002986002 Received: 01/14/2010 EPA 524.2 E10002986003 ERA 524.2	10002986001 ceived: 01/14/2010 EPA 524.2 dee Organics PS13-01A/B

09-05-13;10:27AM;



HARFORD CO HD ENVIRO HLTH PO 80X 797 / 120 S HAYS ST BEL AIR, MD 21014

Lab. No: E10002986001

Date Received:

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

Method: EPA 524.2 VOCs and THMs

01/14/2010 Date Collected: 01/13/2010

Date Analyzed: 01/15/2010 Submitted By: Peter 5mith P\$13-01A/B Field ID: Contaminant DL MCL DL MCL Result **Contaminant** 0.5 2-Chlorotoluene REGULATED 4-Chlorotoluene 0.5 0.5 200 ND 1,1,1-Trichloroethane 0.5 ND Bromobenzene 0.5 5 ND 1,1,2-Trichloroethane ND 0.5 Bromochloromethane 0.5 7 ND 1,1-Dichloroethene ND Bromomethane 0.5 0.5 70 ND 1,2,4-Trichlorobenzene ND Chloroethane 0.5 1,2-Dichlorobenzene 0.5 600 ND 0.5 ND Chloromethane NĎ 1,2-Dichloroethane 0.5 5 0.5 ND cis-1,3-Dichloropropene 5 ND 1,2-Dichloropropane 0.5 Dibromomethane 0.5 ND 0.5 75 ND 1,4-Dichlorobenzene ND Dichlorodifluoromethano 0.5 ND 0.5 5 Benzene 0.5 ND Ethyl-tert-Butyl Ether (ETBE) Carbon Tetrachloride 0.5 ND ND Hexachlorobutadiene 0.5 Chlorobenzene 0.5 100 ND ND Isopropyibenzene 0.5 cis-1,2-Dichloroethene 0.5 70 ND ND Methyl-tert-Butyl Ether (MTBE) 0.5 ND Ethylbenzene 0.5 700 ND 0.5 Naphthalono ND m+p-Xylene 1.0 0.5 ND n-Butylbenzene Methylene Chloride 0.5 5 ND n-Propylbenzene 0.5 ND NĎ o-Xylene 0.5 p-Isopropyltoluene 0.5 ND 100 ND Styrene 0.5 ND sec-Butylbenzene 0.5 0.5 5 ND Tetrachloroethene ND tert-Amyl Methyl Ether (TAME) 0,5 1000 ND Toluene 0.5 ND 0.5 tert-Butylbenzene ND 10000 **Total Xylenes** 1.5 ND 0.5 100 ND trans-1,3-Dichloropropene 0.5 trans-1,2-Dichloroethene 0.5 ND Trichlorofluoromethane 5 ND 0.5 Trichloroethene 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	- 00	ND
1,2-Dibromo-3-Chioropropa	ne 5.0	• @	ND
1,2-Dibromoethane	0,5		ND
1,3,5-Trimethylbenzene	\ \ \0.0.5		ND

0.5

· 0.5

Approved by:

Approval date:

01/25/2010

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

ND

ND

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1,3-Dichlorobenzene

1,3-Dichloropropage

2,2-Dichloropropane 0,5

S:\EnviroFinal-Organics.rpt

09-05-13;10:27AM;



HARFORD CO HD ENVIRO HLTH PO BOX 797 / 120 S HAYS ST BEL AIR. MD 21014

Lab. No: E10002986002

DHMH-Laboratorles 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

Method: EPA 524.2 VOCs and THMs

Date Received: 01/14/2010 Date Collected: 01/13/2010

Date Analyzed: 01/15/2010 Submitted By: Peter Smith Field ID: TB Contaminant 2-Chlorotoluene DL 0.5 MCL Result MCL Result DL **Contaminant** ND REGULATED 0.5 ND 4-Chlorotoluene 200 ND 1.1.1-Trichloroethane 0.5 0.5 ND Bromobenzene ND 1,1,2-Trichloroethane 0.5 5 ND Bromochloromethane 0.5 ND 1,1-Dichloroethene 0.5 7 ND Bromomethane 0.5 70 ND 1,2,4-Trichlorobenzene 0.5 ND Chloroethane 0.5 ND 0.5 600 1_2-Dichlorobenzene ND 0,5 Chloromethane ND 0,5 5 1,2-Dichloroethane ND 0.5 dis-1,3-Dichloropropene 5 ND 1,2-Dichloropropane 0.5 ND Dibromomethane 0.5 0.5 75 ND 1.4-Dichlorobenzene ND Dichlorodifluoromethane 0.5 ND 0.5 5 Benzene ND 0.5 Ethyl-tert-Butyl Ether (ETBE) ND Carbon Tetrachlorida 0.5 5 0.5 ND Hexachlorobutadiene 100 ND 0.5 Chlorobenzene 0.5 ND Isopropylbenzene cls-1,2-Dichloroethene 0.5 70 ND Methyl-tert-Butyl Ether (MTBE) 0.5 ND ND 0.5 700 Ethylbenzene ND Naphthalene 0.5 ND m+p-Xylene 1.0 ND 0.5 n-Butylbenzene 0.5 5 ND Methylene Chloride ND 0.5 n-Propylbenzene ND 0.5 o-Xylene 0.5 ND 100 ND p-Isopropyltoluene 0.5 Styrene ND 0.5 sec-Butylbenzene ND 0.5 5 Tetrachloroethene 0.5 ND tert-Amyl Methyl Ether (TAME) 0.5 1000 ND Toluene 0.5 ND tert-Butylbenzene **Total Xvienes** 1.5 10000 ND ND trans-1,3-Dichloropropene 0.5 trans-1.2-Dichloroethene 0.5 100 ND NĎ Trichlorofluoromethane 0.5 ND Trichloroethene 0.5 5 ND Vinyl Chloride 0.5 2 TRIHALOMETHANES Comments: ND Bromodichloromethane 0.5 ND 0.5 Bromoform 0.5 ND Chloroform Approval date: Approved by: 0.5 ND Dibromochloromethane 80 ND **TOTAL THMs** UNREGULATED 01/25/2010 ND 1,1,1,2-Tetrachloroethane 0.5 1,1,2,2-Tetrachloroethane 0.5 ND ND 0.5 1.1-Dichloroethane ND 0.5 1.1-Dichloropropene 0.5 ND 1,2,3-Trichlorobenzene ND 0.5 1,2,3-Trichloropropane.... ND 1,2,4-Trimethylbenzene 0.5 NĎ 1,2-Dibromo-3-Chioropropane 5.0 ND 0,5 1,2-Dibromoethane ND 1,3,5-Trimethylbenzene 0.5 ND 0.5 1,3-Dichlorobenzene

ND

ND

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1,3-Dichloropropane

2,2-Dichloropropane

0.5

0.5

^{*}All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate



HARFORD CO HD ENVIRO HLTH PO BOX 797 / 120 S HAYS ST BEL AIR, MD 21014

01/14/2010

Lab. No: E10002986003

Date Received:

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

Method: EPA 524.2 VOCs and THMs

Date Collected: 01/13/2010

Date Analyzed: 01/15/2010 Submitted By: Peter Smith Field ID: FB DL 0.5 MCL <u>Result</u> MCL <u>Contaminant</u> Result DL **Contaminant** 2-Chlorotoluane REGULATED ND 0.5 4-Chlorotoluene ND 200 0.5 1,1,1-Trichloroethane ND Bromobenzene 0.5 ND 0.5 5 1,1,2-Trichloroethane ND 0.5 Bromochloromethane ND 0.5 1.1-Dichloroethene NĎ 0.5 Bromomethane 70 ND 0.5 1.2.4-Trichlorobenzene 0.5 ND Chloroethane 0.5 600 ND 1.2-Dichlorobenzene ND Chloromethane 0.5 ND 0.5 5 1,2-Dichloroethane ND 0.5 cis-1,3-Dichloropropene ND 0.5 5 1,2-Dichloropropane ND Dibromomethane 0.5 75 ND 1,4-Dichlorobenzene 0.5 ND 0.5 Dichlorodifluoromethane 0.5 5 ND Benzene ND 0.5 Ethyl-tert-Butyl Ether (ETBE) 0.5 ND Carbon Tetrachloride ND 0.5 Hexachlorobutadiene 0.5 100 ND Chlorobenzene ND Isopropylbenzene 0.5 70 ND cis-1,2-Dichloroethene 0.5 ND 0.5 Methyl-tert-Butyl Ether (MTBE) 0.5 700 ND Ethylbenzene 0.5 ND Naphthalene ND 1.0 m+p-Xylene n-Butylbenzene 0.5 ND ND Methylene Chloride 0.5 0.5 ND n-Propylbanzene 0.5 ND o-Xylene MD p-Isopropyitoluene 0.5 0.5 100 ND Styrene ND sec-Butylbenzene 0.5 Tetrachloroethene ND 0.5 ND 0.5 tert-Amyl Methyl Ether (TAME) ND 0.5 1000 Toluena ND 0.5 ND tert-Butylbenzene 10000 Total Xylenes 1.5 ND trans-1,3-Dichloropropene 0.5 ND 100 0.5 trans-1,2-Dichloroethene NΩ 0.5 Trichlorofluoromethane ND Trichlomethene 0.5 5 0.5 2 ND Vinyl Chloride **TRIHALOMETHANES** Comments: ND 0.5 Bromodichloromethane ND 0.5 Bromoform 0.5 ND Chloroform Approval date: Approved by: Dibromochloromethane 0.5 ND **TOTAL THMs** 80 ND 01/25/2010 UNREGULATED ND 1,1,1,2-Tetrachloroethane ND 1,1,2,2-Tetrachioroethane 0.5 0.5 ND 1,1-Dichloroethane ND 0.5 1,1-Dichloropropene ND 1,2,3-Trichlorobenzene 0.5 ND 0.5 1,2,3-Trichloropropane 0.5 ND 1,2,4-Trimethylbenzene 1,2-Dibromo-3-Chloropropane 5,0 ND 0.5. ND 1,2-Dibromoethane

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

ND

ND

ND ND

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27 20 to 5

1.3.5-Trimethylbenzene 1.3-Dichlorobenzene

1,3-Dichloropropane

2,2-Dichloropropane

0.5

0.5



HARFORD COUNTY HEALTH DEPARTMENT

120 S. Hays Street

P.O. Box 797

Bel Air, Maryland 21014-0797

Health Officer

Russell W. Moy, MD, MPH Deputy Health Officer 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

Laboratory Supervisor: Ladia Munech

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



HARFORD CO HD ENVIRO HLTH PO BOX 797 / 120 S HAYS ST BELAIR, MD 21014

05/10/2012

Lab. No: E12005797005

Date Received:

State of Maryland **DHMH-Laboratorles Administration** Division of Environmental Chemistry ORGANICS ANALYTICAL LABORATORY 201 W. Preston Street, Baltimore, Maryland 21201 Robert Myers, Ph.D., Director

Certificate of Analysis

Method: EPA 524.2 VOCs and THMs

Date Collected: 05/09/2012

Date Analyzed: 05/15/2012 Submitted By: Smith Field ID: PS130-03A/B DL 0.5 Result MCL DL MCL Result Contaminant Contaminant 2-Chlorotoluene REGULATED 0.5 ND ND 4-Chlorotoluene 200 0.5 1,1,1-Trichloroethane ND 0.5 Bromobenzene ND 1,1,2-Trichloroethane 0,5 5 ND 0.5 Bromochloromethane 7 ND 0.5 1,1-Dichloroethene ND 0.5 Bromomethane 0.5 70 ND 1.2.4-Trichlorobenzene ND 0.5 Chloroethane 600 ND 1,2-Dichlorobenzene 0.5 ND Chloromethane 0.5 0.5 5 ND 1.2-Dichloroethane ND 0.5 cis-1.3-Dichloropropene 0.5 5 ND 1,2-Dichloropropane 0.5 ND Dibromomethane 1,4-Dichlorobenzene 0.5 75 ND ND Dichlorodifluoromethane 0.5 0.5 5 ND Benzene ND Ethyl-tert-Butyl Ether (ETBE) 0.5 ND 0.5 5 Carbon Tetrachloride ND 0.5 Hexachlorobutadiene ND Chlorobenzene 0.5 100 ND 0.5 Isopropylbenzene cis-1,2-Dichloroethene 0.5 70 ND 0.76 Methyl-tert-Butyl Ether (MTBE) 0,5 ND Ethylbenzene 0.5 700 ND Naphthalene 0.5 ND m+p-Xylene 1.0 ND 0.5 n-Butylbenzene ND Methylene Chloride 0.5 ND n-Propylbenzene 0.5 0.5 ND o-Xylene 0.5 ND p-Isopropyltoluene 0.5 100 ND Styrene ND sec-Butylbenzene 0.5 ND Tetrachloroethene 0.5 5 0.5 ND tert-Amyl Methyl Ether (TAME) 1000 ND 0.5 Toluene ND 0.5 tert-Butylbenzene 10000 ND **Total Xylenes** 1.5 ND 0.5 trans-1,3-Dichloropropene ND 100 trans-1,2-Dichloroethene 0.5 ND Trichlorofluoromethane 0.5 ND 0.5 5 Trichloroethene 0.5 2 ND Vinyl Chloride TRIHALOMETHANES Comments: ND Bromodichloromethane 0.5 ND 0.5 Bromoform 0.5 1.21 Chloroform Approval date: Approved by: ND Dibromochloromethane 0.5 80 1,21 **TOTAL THMs** UNREGULATED 05/16/2012 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 ND 1,2,3-Trichlorobenzene 0.5 ND 0.5 1,2,3-Trichloropropane ND 1,2,4-Trimethylbenzene. 0.5 ND 1.2-Dibromo-3-Chloropropane 0.5 ND 0.5 1.2-Dibromoethane ND 1.3.5-Trimethylbenzene 0.5 ND 1.3-Dichlorobenzene 0.5 0.5 ND 1,3-Dichioropropane

ND

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2,2-Dichloropropane

0.5

^{*}All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

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

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.

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 /	<u>Analyst</u>
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

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

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 1,1-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 Ethylbenzene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropylbenzene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Espropyltoluene ND ug/L 0.		Result	Units	Rep Limit Flag	Dil	Prepared	Analyzed /	<u>Analyst</u>
1,1-Dichloropropene	1,3-Dichloropropane	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-Isopropylbenzene 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 NP ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 NP </td <td>2,2-Dichloropropane</td> <td>ND</td> <td>ug/L</td> <td>0.5</td> <td>1</td> <td>06/16/09</td> <td>06/16/09 17:35</td> <td>1014</td>	2,2-Dichloropropane	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 Isopropylbenzene 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 Methylene Chloride 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 Methylene Chloride ND 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 Naphthalene 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 Styrene ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Diisopropyl ether ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,1,2-Tetrachloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 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 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,4-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 1,1,2-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroet	1,1-Dichloropropene	ND	ug/L	0.5	1	06/16/09	06/16/09 17:35	1014
Isopropylbenzene	cis-1,3-Dichloropropene	ND	ug/L	0.5	1	06/16/09	06/16/09 17:35	1014
A-isoproyitoluene	Ethylbenzene	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 0.5 1 06/16/09 06/16/09 07:35 1014 1,1,2-Tetrachloroethane ND ug/L 0.5 1 06/16/09 06/16/09 07:35 1014 1,1,2-Tetrachloroethane ND ug/L 0.5 1 06/16/09 06/16/09 07:35 1014 Tetrachloroethane ND ug/L 0.5 1 06/16/09 06/16/09 07:35 1014 1,2,3-Trichlorobenzene ND ug/L <t< td=""><td>Isopropylbenzene</td><td>ND</td><td>ug/L</td><td>0.5</td><td>1</td><td>06/16/09</td><td>06/16/09 17:35</td><td>1014</td></t<>	Isopropylbenzene	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 1,1,2-Tetrachloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Tetrachloroethane 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 0.5 1 06/16/09 06/16/09 17:35	4-Isopropyltoluene	ND	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 1,2,3-Trichloroebnzene 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 <td>Methylene Chloride</td> <td>ND</td> <td>ug/L</td> <td>0.5</td> <td>1</td> <td>06/16/09</td> <td>06/16/09 17:35</td> <td>1014</td>	Methylene Chloride	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 Tetrachloroethane 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-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09	Methyl-t-butyl ether	3.4	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 1,1,2,2-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 Tetrachloroethane 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 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 1,2,3-Trichloroethane ND ug/L	Naphthalene	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-Tetrachloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Tetrachloroethane 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-Trichloropthane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloroptopane ND u	n-Propylbenzene	ND	ug/L	0.5	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-Trichloroethane 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 17:35 1014 1,2,3-Trichloropropane ND ug/L 0.5 1 06/16/09 17:35 1014 1,2,4-Trimethylbenzene ND ug/L 0.5 1<	Styrene	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 1,2,3-Trichloroptoptane 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 1,2,3-Trichloroptopane ND	Diisopropyl ether	ND	ug/L	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 Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Trichloropethane 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 1,3,5-Trimethylbenzene ND ug/L	1,1,1,2-Tetrachloroethane	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 Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 1,2,3-Trichloropropane ND ug/L <td< td=""><td>1,1,2,2-Tetrachloroethane</td><td>ND</td><td>ug/L</td><td>0.5</td><td>1</td><td>06/16/09</td><td>06/16/09 17:35</td><td>1014</td></td<>	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1	06/16/09	06/16/09 17:35	1014
1,2,3-Trichlorobenzene ND ug/L 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 Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Trichloroethane ND ug/L 0.5 1 06/16/09 06/16/09 17:35 1014 Trichloroethane 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 C	Tetrachloroethene	ND	ug/L	0.5	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 Trichloroethane 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-Bu	Toluene	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	1,2,3-Trichlorobenzene	ND	ug/L	1	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	1,2,4-Trichlorobenzene	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	1,1,1-Trichloroethane	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	1,1,2-Trichloroethane	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	Trichloroethene	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	1,2,3-Trichloropropane	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	1,2,4-Trimethylbenzene	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	1,3,5-Trimethylbenzene	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	Vinyl Chloride	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	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	tert-Butyl alcohol	ND	ug/L	20	1	06/16/09	06/16/09 17:35	1014

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	5 1014
tert-Amyl alcohol	ND	ug/L	20	1	06/16/09	06/16/09 17:35	5 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 17:2	6 1035

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

www.phaseonline.com email: info@phaseonline.com

PHASE SEPARATION SCIENCE, INC.

serve 425ppl SW=Surtace Wfr DW=Drinking Wrt GW=Ground Wfr WW=Maste Wfr O=Oil S=Soil WL=Waste Liquid WS=Waste Soild W= Wipe S S Shibbling Carrier: OLI ENT REMARKS ice Bresenti 0065 Tempi P Custody Seal: 149.5 PAGE **X** Other ☐2-Day 90 La 17 10 Requested Turnaround Time Special Instructions: 10 day ☐ Emergency Data Deliverables Required: AECOM EDD ∃3-Day Preservatives HO Next Day 5-Dav Analysis/ Method PSS Work Order #: COMP SAMPLE G = GRAB TYPE ৳ 0 шшо 00230-858 MATRIX (See Codes) 3 OFFICE LOC: COLUMBÍA, MD PHONE NO.: (410) 884-9280 Received By: Received By: Received By PROJECT NO.: <u>3</u> TIME P.O. NO.: 0/11/09 12/1/14:48 0011/00/21/00 DATE Time FAX NO.: Date Date Date T-11 Fallston SAMPLE IDENTIFICATION Haryland PROJECT MGR: J. Canzer SECKLIN 2414 nest CLIENT: AECOM Relinquished By: (4) Relinquished By: (1) Relinquished By: (3) PROJECT NAME: SITE LOCATION: MANA SORINCE NAISHING SAMPLERS: LAB NO. EMAIL:

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 tees if collection becomes necessary. 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

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 Conta	iner(s)		
No of Coo Custody S Seal Cond	eals Absent /	Ice Temp (deg C) Temp Blank Pre	Present 5 sent No
Documentation COC agre Chain of C	es with sample labels? Yes or Custody (COC) Yes or	No No	
Sample Contai	ner		
Intact? Labeled a	e for Specified Analysis? Yes No and Labels Legible of Samples Received 1	Custody Seal(s) Seal(s) Signed /	<u> </u>
Preservation		Yes	No N/A
TOX, TKI VOC, BT	D, Phenols (pH N, NH3, Total Phos (pH	>12) >9) <2)	
	UNI U was a servet be detailed	l in the comment	s section helow \
For any improper	ny "No" response must be detailed preservation conditions, list sample ID, preservation conditions as well as client instruct a should be analyzed as soon as possible, preference.	ative added (reagent ID	number) below as well as chlorine and
Samples Inspec	ted/Checklist Completed By:	Oli) Date	: 6/12/9
	PM Review and Approval:	Date Date	: <u>U/17//</u>

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.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770

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.

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	2
Bromobenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Bromochloromethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Bromodichloromethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Bromoform	ND	ug/L	5	1	02/22/10	02/22/10 20:52	2
Bromomethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
tert-Butylbenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
sec-Butylbenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
n-Butylbenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Carbon Tetrachloride	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Chlorobenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Chloroethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Chloroform	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Chloromethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
2-Chlorotoluene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
4-Chlorotoluene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,2-Dibromo-3-Chloropropane	ND	ug/L	5	1	02/22/10	02/22/10 20:52	2
Dibromochloromethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,2-Dibromoethane (EDB)	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Dibromomethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,2-Dichlorobenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,3-Dichlorobenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,4-Dichlorobenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Dichlorodifluoromethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,1-Dichloroethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,2-Dichloroethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
cis-1,2-Dichloroethene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
trans-1,2-Dichloroethene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,1-Dichloroethene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,2-Dichloropropane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	<u> </u>
1,3-Dichloropropane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2

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	2
1,1-Dichloropropene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
cis-1,3-Dichloropropene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
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	2
Naphthalene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
n-Propylbenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Styrene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	<u>)</u>
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	<u>)</u>
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	<u>)</u>
1,2,3-Trichlorobenzene	ND	ug/L	1	1	02/22/10	02/22/10 20:52	2
1,2,4-Trichlorobenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,1,1-Trichloroethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,1,2-Trichloroethane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Trichloroethene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,2,3-Trichloropropane	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,2,4-Trimethylbenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
1,3,5-Trimethylbenzene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
Vinyl Chloride	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
o-Xylene	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
m,p-Xylenes	ND	ug/L	0.5	1	02/22/10	02/22/10 20:52	2
tert-Butyl ethyl ether	ND	ug/L	5	1	02/22/10	02/22/10 20:52	2
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	2
tert-Amyl alcohol	ND	ug/L	20	1	02/22/10	02/22/10 20:52	?

PHASE SEPARATION SCIENCE, INC.



02/19/10 02/19/10 15:32 1035

CERTIFICATE OF ANALYSIS

No: 10021905

AECOM, Columbia, MD

March 5, 2010

Project Name: 7-11 Fallston

Project Location: MD Project ID: 60144763

TPH-GRO (Gasoline Range Organics)

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

ND

ug/L

VOC In Drinking Water plus Oxygenates	Analytica	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	Analytica	l Method: SW84	16 8015C		Preparation Method: SW846 5030B
	Result	Units	RL Flag	Dil	Prepared Analyzed Analyst

100

1

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

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PHASE SEPARATION SCI	m 2 3	Z		, E E	ਪੂ	ð	www.phaseonline.comemail: info@phaseonline.com
φ	OFFICE	OFFICE LOC. CD (UMBA		. 3 . 3	PSS Work Orde	PSS Work Order#: 1002/975	PAGE OF I
PROJECT MGR. JOHN CANZEN	İ	NO. (465	PHONE NO.: (40) 884-4280	No.	Matrix Codes: SW=Surface Wtr D	Matrix Codes: SW=Surface Wtr DW=Drinking Wrt GW=Ground Wfr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe	S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe
)	an again an again an a	No. C SAMPLE	Preservatives Arc Lifec	
PROJECT NAME. 7-11 FELLISTON			(ながくなる) PROJECT NO.:	<u> </u>		Arralysis/ Method / / / / Bequired / /	
SITE LOCATION: MA		P.O. NO.:	.0.:	gradi Adada Adada	A COMP		
SAMPLERS: MIKE PAISONS		445 880 2673	26013		N G= E GRAB	/ / / / / / / / / / / / / / / / / / /	
LAB NO. SAMPLE IDENTIFICATION		DATE	TIME	MATRIX (See Codes)	a s	/ / / / / / / / / / / / / / / / / / / /	/ / / REMARKS
Dental Technology	wel	01/8/10	12.45	CAD	6	7	
				·			
Relinquished By: M. M. Marcons	Date C/f1/C	Time ()	Received By	Jan	Ĉ,	Requested Turnaround Time 5-Dav 3-Dav 2-Bay Next Day Emergency Cother	# of Coolers. Qustody Sear American
Relinquished By: (2)	Date	Time	Received By:				loe Present: \mathcal{D}_{ES} Temp: $\mathcal{Z}_{\mathcal{L}}$ Shipping Carrier: $\mathcal{Q}_{\mathcal{L}}$ $\mathcal{E}\mathcal{N}$
Relinquished Bv: (3)	Date	Time	Received By:			Special Instructions:	h
Relinguished Bv: (4)	Date	Time	Received By:			≯	

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 attorneys or other reasonable tees if collection becomes necessary. 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

No Number	10021905		Receive	d By	Rachel Davis	
Client Name	AECOM		Date Re	ceived	02/19/2010 10):35:00 AM
Project Name	7-11 Fallston		Delivere	d By	Client	
Project Number	60144763		Tracking	ı No	Not Applicable)
Disposal Date:	03/26/2010		Logged	In By	Rachel Davis	
Shipping Conta	iner(s)			•		
No. of Coo Custody S Seal Cond	eals Not Appli			(deg C) Blank Pre	Present 2 esent No	
Documentation COC agre- Chain of C	es with sample label ustody (COC)	s? X Yes or Yes or	No	Sample MD DW C	er Name: <u>Mike P</u> ert No : <i>N</i>	arsons (A
Sample Contair						
Intact? Labeled ar	for Specified Analys d Labels Legible f Samples Received	<u>×</u> _	_ Custod _ Seal(s)	y Seal(s) l Signed / l	•	plicable plicable
Preservation				Yes	No N/A	
VOC, BTE	, Phenols NH3, Total Phos X (VOA Vials Rovd F als have zero heads _l	(((((reserved) (pH<2) pH>12) pH>9) pH<2) pH<2) pH<2)		X	
For any improper p documentation of a	y "No" response reservation conditions, ny client notification as hould be analyzed as so	list sample ID, pres well as client instr	ervative added (actions Sample	reagent ID	number) below as	
Samples Inspected	I/Checklist Complete PM Review and App		fun	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.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770

Fax: (410) 788-8723

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.

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.

Dan Prucnal

Dan Perunal

Laboratory Manager



Sample Summary Client Name: AECOM

Project Name: 7-11 Fallston

Work Order Number: 11120911 **Project ID: 60144763**

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:

- 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.
- 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.
- 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.
- Not detected.

Final 1.000. WO#: 11120911 Page 3 of 9



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.

Page 4 of 9 Final 1.000. WO#: 11120911

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

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

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

Date/Time Received: 12/09/2011 10:25 **Matrix: GROUND WATER**

VOC In Drinking Water plus Oxygenates	Analytica	I Method: E	PA 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	Analytica	I Method: S'	W-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

www.phaseonline.comemail: info@phaseonline.com

PHASE SEPARATION SCIENCE, INC.

SW=Surface Wtr DW=Drinking Wrt GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe REMARKS Ice Present: png. Temp: Я Custody Seal: 465 Shipping Carrier: PAGE # of Coolers: □ 2-Day □ Other Requested Turnaround Time ☐ Emergency Data Deliverables Required:] 3-Day AECOM EDD Next Day Preservatives PSS Work Order #: SAMPLE É Ζшແග OFFICE LOC. (0 1 UM 619, 17) MATRIX (See Codes) PROJECT NO.:(40/44/6) PHONE NO.: (240) 565-681 ۲ ف 9:30 TIME P.O. NO.: 24 14 Pleasonrith RJ Potable 12/8/11 10254 DATE Time FAX NO.: 11/4/11 Date SAMPLE IDENTIFICATION SAMPLERS. MICH BAINETY PROJECT MGR. JOHN (GNZPY) PROJECT NAME: 7-11 FAILS FON SITE LOCATION: Fallstay, MD AECM Relinquished By: (2) Relinguished By: (1) CLIENT LAB NO.

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. 6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

Received By:

Time

Date

Relinquished By: (4)

Special Instructions:

Received By:

Time

Date

Relinquished By: (3)



Phase Separation Science, Inc

Sample Receipt Checklist

OTHE ST					
Nork 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 Contai	iner(s)				
No. of Coolers	1			Ice	Present
Custody Seal(s Seal(s) Signed			N/A N/A	Temp (deg C) Temp Blank Pres	6 sent No
Documentation				Sampler Name	Nick Barrett
COC agrees wi	ith sample labels? dy		Yes Yes	MD DW Cert. No	. <u>N/A</u>
Sample Contain	er			Custody Seal(s) I	ntact? Not Applicable
•	Specified Analysis?		Yes Yes Yes	Seal(s) Signed / I	Dated Not Applicable
	mples Received 1			Total No. of Cont	ainers Received 6
Preservation			(ml.L.O)	NI/A	
Metals Cyanides			(pH<2) (pH>12)	N/A N/A	
Sulfide			(pH>9)	N/A	
TOC, COD, Ph	enols		(ph<2)	N/A	
TOX, TKN, NH			(pH<2)	N/A	
VOC, BTEX (V	OA Vials Rcvd Prese	erved)	(pH<2)	Yes	
	ave zero headspace			Yes	
Comments: (A	ny "No" response	must be d	etailed	in the comments	section below.)
documentation of should be analyze preservation shall hand delivered on	any client notification as d as soon as possible, p be considered acceptal	s well as client preferably in the ple when receivalected may no	instruction instruction in the field at the ved at a tente the of the contract in the contract	ns. Samples for pH, cl ne time of sampling. S mperature above freezi se criteria but shall be	number) below as well as nlorine and dissolved oxygen amples which require thermal ng to 6°C. Samples that are considered acceptable if there
Changed VOA fro	om 8260 to 524.2 per	r client email			
Samples Inspected/	Checklist Completed By:	Racled &	Daws achel Davis		12/09/2011
P	M Review and Approval:	any & Free	<i>llænde</i> v Friedland		12/09/2011

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.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770

Fax: (410) 788-8723

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

who sieles

Laboratory Director



Sample Summary Client Name: AECOM

Project Name: 7-11 Fallston

Work Order Number: 11063003 **Project ID: 601440763**

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:

- 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.
- 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.
- 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.
- Not detected.

Final 1.000. WO#: 11063003 Page 3 of 9



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.

Page 4 of 9 Final 1.000. WO#: 11063003

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

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

PHASE SEPARATION SCIENCE, INC.



06/30/11 07/01/11 00:07 1035

CERTIFICATE OF ANALYSIS

No: 11063003

AECOM, Columbia, MD

July 8, 2011

ND

ug/L

Project Name: 7-11 Fallston

Project Location: MD Project ID: 601440763

TPH-GRO (Gasoline Range Organics)

Sample ID: 2414 Pleasentville Matrix: GROUND WATER			ne Sampled: 06/2 e Received: 06/3		-	e ID: 1106300	3-001
VOC In Drinking Water plus Oxygenates	Analytica	Method:	EPA 524.2		Preparation Meth	nod: 524.2	
	Result	Units	RL Fla	g Dil	Prepared	Analyzed	Analyst
tert-Amyl methyl ether	ND	ug/L	5	1	07/01/11	07/01/11 13:52	2 1011
tert-Amyl ethyl ether	ND	ug/L	5	1	07/01/11	07/01/11 13:52	2 1011
tert-Amyl alcohol	ND	ug/L	20	1	07/01/11	07/01/11 13:52	2 1011
Total Petroleum Hydrocarbons-GRO	Analytica	l Method:	SW-846 8015C		Preparation Meth	nod: 5030B	
	Result	Units	RL Fla	g Dil	Prepared	Analyzed	Analyst

100

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

www.phaseonline.com

PHASE SEPARATION SCIENCE, INC.

email: info@phaseonline.com

CLIENT	HECOM	OFFICE	OFFICE LOC. COLUMDIA, MI	Sumsion of		PSS Work Order #;	der# Na3003	PAGE	OF J
	Λ	NO THE	PASSING LAND SENT		0826	Matrix Codes: SW=Surface Wfr	Matrix Codes: SW=Surface Wit DN=Drinking Wrf GW=Ground Wtr WW=Waste Wir D=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wine	S=Soil WL=Waste Liquid W	VS=Waste Solid W= Wine
PROJECT MGH:	MGH: CON PARIS	THOME	NO:		Ť	No.	Preservatives X X		
EMAIL:		FAX NO.:	Ì			C SAMPLE	Used Analysis / 'N'		
PROJECT	PHOJECT NAME: 1741 Fallston	ten.	PROJ	PROJECT NO.:	द्व		Method Required		
SITE LOCATION:	ATION:		P.O. NO.:	0.:		A COMP	$ \sqrt{\circ} $	<i></i>	
SAMPLERS:	18: Nick Barrett	met				N G = GRAB	1		
LAB NO.	SAMPLE IDENTIFICATION	NO!	DATE	TIME	MATRIX (See Codes)		73±	/////	REMARKS
	244 Recentitle		Wester	0721	GM	0	7		
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				7					
					-				
Relinguished By: (1)	Con Million	Date (Q/So)	Time	Received By:	$\mathcal{D}_{\tilde{s}}$!	Requested Turnaround Time G-5-Day 3-Day 2-Day Next Day Emergency Other	# of Coolers: Custody Seal: ACC	
Relinquished By: (2)	led By: (2)	Date	Time	Received By	3y:		ables Required:	Ice Present: MES	Төтр: <i>6</i> о <i>(ЕМ</i> Т
Relinquished By: (3)	led By: (3)	Date	Time	Received By:	Эу:		Special Instructions:	-	
Relinquist	Relinquished By: (4)	Date	Time	Received By	3y.				
11 - 0	A CALCIA CALCIA CA	+00/W 07 04.10 C	ot a Daltimore	2	20010 Paging	0 (410) 747 8770	28770 • (800) 939-9047 • Eav (410) 788-8793	8-8793	

6630 Baltimore National Pike • Houte 40 West • Baltimore, Maryland Z1ZZ8 • (410) 747-8770 • (600) 93Z-9047 • Fax (410) 760-6723

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

NG THE STA					
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 Contai	ner(s)				
No. of Coolers	1			Ice	Present
Custody Seal(s Seal(s) Signed	•		N/A N/A	Temp (deg C) Temp Blank Pres	6 ent No
Documentation				Sampler Name	Nick Barrett
COC agrees wi Chain of Custoo	th sample labels? dy		Yes Yes	MD DW Cert. No.	. <u>N/A</u>
Sample Contain	er			Custody Seal(s) I	ntact? Not Applicable
-	Specified Analysis?		Yes Yes Yes	Seal(s) Signed / [Dated Not Applicable
Total No. of Sa	mples Received 1			Total No. of Conta	ainers Received 6
Preservation					
Metals			(pH<2)	N/A	
Cyanides			(pH>12)		
Sulfide			(pH>9)	N/A	
TOC, COD, Pho			(ph<2)	N/A	
TOX, TKN, NH		n (od)	(pH<2)	N/A Yes	
•	OA Vials Rcvd Prese ave zero headspace?	•	(pH<2)	Yes	
	ny "No" response		etailed	in the comments	section below.)
documentation of should be analyzed preservation shall hand delivered on	any client notification as d as soon as possible, p be considered acceptab	well as client referably in the le when receiv lected may no	instructio e field at tl ved at a ten t meet the	ns. Samples for pH, che time of sampling. Separature above freezi se criteria but shall be	number) below as well as nlorine and dissolved oxygen amples which require thermal ng to 6°C. Samples that are considered acceptable if there
Samples Inspected/	Checklist Completed By: -	Saic Don	Sara Dorr	Date:	06/30/2011
Pl	M Review and Approval:	Vii Yron	Ma ynn 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.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770

Fax: (410) 788-8723

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

Dan Perunal

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.

Page 3 of 9 Final 1.000. WO#: 12060602



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.

Page 4 of 9 Final 1.000. WO#: 12060602

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

Final 1.000. WO#: 12060602

PHASE SEPARATION SCIENCE, INC.



Preparation Method: 524.2

06/07/12 06/08/12 16:05 1014

06/07/12 06/08/12 16:05 1014

06/07/12 06/08/12 16:05 1014

06/07/12 06/08/12 16:05 1014

06/07/12 06/08/12 16:05 1014

CERTIFICATE OF ANALYSIS

No: 12060602

AECOM, Columbia, MD

June 13, 2012

Analytical Method: EPA 524.2

Project Name: 7-11 Fallston 22281 Project Location: Fallston, MD

VOC In Drinking Water plus Oxygenates

Project ID: 60144763

Vinyl Chloride

m,p-Xylenes

tert-Butyl ethyl ether

tert-Butyl alcohol

o-Xylene

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

ND

ND

ND

ND

ND

ug/L

ug/L

ug/L

ug/L

ug/L

	Result	Units	RL Flag	_J Dil	Prepared	Analyzed	Analyst
1,3-Dichloropropane	ND	ug/L	0.5	1	06/07/12	06/08/12 16:05	5 1014
2,2-Dichloropropane	ND	ug/L	0.5	1	06/07/12	06/08/12 16:05	5 1014
1,1-Dichloropropene	ND	ug/L	0.5	1	06/07/12	06/08/12 16:05	5 1014
cis-1,3-Dichloropropene	ND	ug/L	0.5	1	06/07/12	06/08/12 16:05	5 1014
Ethylbenzene	ND	ug/L	0.5	1	06/07/12	06/08/12 16:05	5 1014
Isopropylbenzene	ND	ug/L	0.5	1	06/07/12	06/08/12 16:05	5 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 06/07/12 06/08/12 16:05 1014 ND ug/L 0.5 1 ND 0.5 1 06/07/12 06/08/12 16:05 1014 Styrene ug/L Diisopropyl ether ND ug/L 5 1 06/07/12 06/08/12 16:05 1014 06/07/12 06/08/12 16:05 1014 1,1,1,2-Tetrachloroethane ND ug/L 0.5 1 1,1,2,2-Tetrachloroethane 06/07/12 06/08/12 16:05 1014 ND ug/L 0.5 1 Tetrachloroethene ND 1 06/07/12 06/08/12 16:05 1014 ug/L 0.5 0.5 06/07/12 06/08/12 16:05 1014 Toluene 11 ug/L 1 1 06/07/12 06/08/12 16:05 1014 1,2,3-Trichlorobenzene ND ug/L 1 0.5 06/07/12 06/08/12 16:05 1014 1,2,4-Trichlorobenzene ND ug/L 1 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 1 06/07/12 06/08/12 16:05 1014 Trichloroethene ND ug/L 0.5 1,2,3-Trichloropropane ND 0.5 1 06/07/12 06/08/12 16:05 1014 ug/L 1,2,4-Trimethylbenzene ND 0.5 1 06/07/12 06/08/12 16:05 1014 ug/L 1,3,5-Trimethylbenzene ND 06/07/12 06/08/12 16:05 1014 ug/L 0.5 1

0.5

0.5

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Final 1.000. WO#: 12060602

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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 Sampl	e ID: 1206060	2-001
Matrix: GROUND WATER		Date/Time F	Received: 06/06/	<mark>/2012 08</mark> :	15		
VOC In Drinking Water plus Oxygenates	Analytica	l Method: EP	A 524.2		Preparation Meth	nod: 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	5 1014
tert-Amyl ethyl ether	ND	ug/L	5	1	06/07/12	06/08/12 16:05	5 1014
tert-Amyl alcohol	ND	ug/L	20	1	06/07/12	06/08/12 16:05	5 1014
Total Petroleum Hydrocarbons-GRO	Analytica	l Method: SV	V-846 8015C		Preparation Met	nod: 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	3 1035

Final 1.000. WO#: 12060602



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

www.phaseonline.com email: info@phaseonline.com

PHASE SEPARATION SCIENCE, INC.

Watrix Codes: SW=Surface Witr DW=Drinking Wrt GW=Ground Witr WW=Waste Witr O=Oil S=Soil WL=Waste Liquid WS=Waste Solid W= Wipe REMARKS loe Present: PRES Temp: Я Custody Seal: A.B. Shipping Carrier: PAGE # of Coolers: ☐ 2-Day Other 20101102 Requested Turnaround Time AECON EDD ☐ Emergency Data Deliverables Required: 3-Day Special Instructions: √ 5-Day

Next Day

Ne Preservatives Analysis/ PSS Work Order #: COMP Ś O MATRIX (See Codes) PROJECT NO.: (10/4/76) なな OFFICE LOC. (O/W16.4, MD PHONE NO : 246) 565-650, Received By: Received By: Recei**∜**ed BV Received B 05:01 TIME P.O. NO.: DATE Time Time PROJECT NAME: 7-11 FAILSTON 233 81 FAX NO.: 4/4 prasarville Rd Bibly Date Date SAMPLE IDENTIFICATION SAMPLERS: NICH BY AMPT PROJECT MGR. JUHN (412M) SITE LOCATION: FALLSTUN, MD CLIENT: 4 ECOM Relinquished By: (3) Relinquished By: (4) Relinquished By: (2) LAB NO.

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. 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

OING THE STAND					
Work Order #	12060602		ı	Received By	Rachel Davis
Client Name	AECOM		I	Date Received	06/06/2012 08:15:00 AM
Project Name	7-11 Fallston 2228	1	I	Delivered By	Client
Project Number	60144763		-	Tracking No	Not Applicable
Disposal Date	07/11/2012		ı	Logged In By	Rachel Davis
Shipping Contai	ner(s)				
No. of Coolers	1			Ice	Present
Custody Seal(s) Seal(s) Signed			N/A N/A	Temp (deg C) Temp Blank Pres	4 ent No
Documentation				Sampler Name	Nick Barrett
COC agrees with Chain of Custoo	th sample labels? dy		Yes Yes	MD DW Cert. No.	<u>N/A</u>
Sample Containe	er			Custody Seal(s) In	ntact? Not Applicable
-	Specified Analysis?		Yes Yes Yes	Seal(s) Signed / D	Dated Not Applicable
Preservation	mples Received 1				ainers Received 6
Metals			(pH<2)	N/A	
Cyanides Sulfide			(pH>12) (pH>9)	N/A N/A	
TOC, COD, Phe	enols		(ph<2)	N/A	
TOX, TKN, NH			(pH<2)	N/A	
	OA Vials Rovd Prese	erved)	(pH<2)	Yes	
Do VOA vials h	ave zero headspace	?		Yes	
Comments: (Ar	ny "No" response	must be d	etailed i	n the comments	section below.)
documentation of should be analyzed preservation shall hand delivered on	any client notification a d as soon as possible, be considered accepta	as well as clier preferably in the able when rece ollected may no	nt instruction the field at the pived at a to tot meet the	ons. Samples for pH, he time of sampling. emperature above free se criteria but shall be	chlorine and dissolved oxygen Samples which require thermal ezing to 6°C. Samples that are considered acceptable if there
Samples Inspected/0	Checklist Completed By:	Karlel &	Daws achel Davis	Date: (06/06/2012
Pì	M Review and Approval:	any & Frien	<i>lænde</i> y Friedlande		06/06/2012

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

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 PrucnalLaboratory Manager

Dan Perunal



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.
- 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.

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

PHASE SEPARATION SCIENCE, INC.



Preparation Method: 524.2

CERTIFICATE OF ANALYSIS

No: 12120714

Analytical Method: EPA 524.2

AECOM, Columbia, MD December 14, 2012

Project Name: 7-11 Fallston #22281 Project Location: Fallston, MD

VOC In Drinking Water plus Oxygenates

Project ID: 60144763

tert-Butyl alcohol

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

Units RL Flag Dil Prepared Analyzed Result 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 ua/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 ND 1 12/11/12 12/11/12 14:03 1014 n-Propylbenzene ug/L 0.50 ND 0.50 1 12/11/12 12/11/12 14:03 1014 Styrene ug/L 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 1,1,2,2-Tetrachloroethane 12/11/12 12/11/12 14:03 1014 ND ug/L 0.50 1 1 Tetrachloroethene ND ug/L 0.50 12/11/12 12/11/12 14:03 1014 ND 0.50 1 12/11/12 12/11/12 14:03 1014 Toluene ug/L ND 1.0 1 12/11/12 12/11/12 14:03 1014 1,2,3-Trichlorobenzene ug/L ND 0.50 1 12/11/12 12/11/12 14:03 1014 1,2,4-Trichlorobenzene ug/L 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 ND 1 12/11/12 12/11/12 14:03 1014 Trichloroethene ug/L 0.50 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 0.50 1 ug/L 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 1 m,p-Xylenes ND ug/L 1.0 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

20

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ND

ug/L

12/11/12 12/11/12 14:03 1014

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

Date/Time Received: 12/07/2012 12:30 Matrix: GROUND WATER

VOC In Drinking Water plus Ovygenates Applytical Mothod: EBA 524.2

VOC in Drinking Water plus Oxygenates	Analytica	l Method: E	:PA 524.2		Preparation Meth	nod: 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	Analytica	l Method: S	SW-846 8015C		Preparation Meth	nod: 5030B
	Result	Units	RL Flag	Dil	Prepared	Analyzed Analyst
				_		

	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

www.phaseonline.com email: info@phaseonline.com

PHASE SEPARATION SCIENCE, INC.

D*CLIENT: AFTOWN	*OFFICI	= LOC. 10	*OFFICE LOC. (0 / 1/276.7)	aw.	PSS Work Order #:	1#: 12/207/4 PAGE OF [
	, ,	77C	7 67 6		Matrix Codes:	Matrix Codes: swc.nta.e. Wtr. nwDrinking Wtr. GW-Bround Wtr. WW-Waste Wtr. 0=0il S=Soil L=Liquid SOL=Solid A=Air WI=Wipe
*PROJECT MGR: J Chn (M) WINT PHONE NO.: (10) JUJ WINT	NOHd.	NO:(700	1	No.	
EMAIL:	FAX NO.:)	(-111	Used '7'
*PROJECT NAME: 7-// /9/15720 #3338 PROJECT NO.	crept o	-8/ PROJ	60/4L	£9244	TYPE	Method A A A A A A A A A A A A A A A A A A A
SITE LOCATION: F9/15/21 , m 1)	0	P.O. NO.:	10.:		A COMP	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
SAMPLER(S): N'CH BYNGYA		DW CERT NO.:	10.:		N G = E GRAB	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2 **SAMPLE IDENTIFICATION **SAMPLE IDENTIFICATION	_	*DATE	*TIME	MATRIX (See Codes)	ш s	K / / / / / / / / REMARKS
1/40	o		14:40	GW	6 54	7
Relinquished By: (M)	Date 12 12	Time 250	Received By	\mathcal{I}	Ni	*Requested TAT (One TAT per COC) # of Coolers:
Relinquished By: (2)	Date	Time	Received By	×	>	Data Deliverables Required: COA 96 SUMM CLP LIKE Shipping Carrier: CLENT
Relinquished By: (3)	Date	Time	Received By:	y.		Special Instructions:
Relinquished By: (4)	Date	Time	Received By:	:À		DW COMPLIANCE? EDD FORMAT TYPE STATE RESULTS REPORTED TO: YES WD PE PA WW OTHER YES OTHER
			Mondond	-4 0100B	71700 . (110) 717	747.8770 • (800) 932-9047 • Fax (410) 788-8723

σοδυ σαιμποτε ιναιταιε τησια 40 γνεςι το σαιμποτε, ινιαι γιατο τι του (4 τυ) /4/-6/70 τουυ) 352-3047 ταχ (4 τυ) / σο-6/23

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. * = REQUIRED



Phase Separation Science, Inc

Sample Receipt Checklist

Cilent Name	DING THE STAND				•	
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 Temp Blank Present No Sampler Name Nick Barrett MD DW Cert. No. N/A Documentation Sample labels? Yes Chain of Custody Yes Sample Container Appropriate for Specified Analysis? 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-9) N/A Sulfide (pH-9) N/A TOX, TKN, NH3, Total Phos (pH-2) N/A TOX, TKN, VAN, Tresponse must be detailed in the comments section below.) For any improper preservation conditions, list sample ID, preservative added (reagent ID number) below as we documentation of any client notification as well as client instructions. Samples for pH, chlorine and dissolved or, should be analyzed as soon as possible preferably in the field at the time of sampling. Samples which require the preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable in the service of the preservation shall be considered acceptable when received at a temperature above freezing to 6°C. Samples that hand delivered on the day that they are collected may not meet these criteria but shall be considered acceptable in the service of the service of the day that they are collected may not meet these criteria but shall be considered acceptable in the service of the service of the service of the day that they are collected may not meet these criteria but shall be considered acceptable in the service of the service of the day that they are collected may not meet these criteria but shall be considered acceptable in the service of the service of the se	Work Order #	12120714			Received By	Rachel Davis
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Rachel Davis PM Review and Approval: Application Date: 12/08/2012 Date: 12/08/20	For any improper documentation of should be analyze preservation shall hand delivered on	preservation condition any client notification ad as soon as possible, be considered accepta the day that they are co	s, list sample as well as clien preferably in to able when rece bllected may n	ID, present instruction the field at a telegraph at a telegraph at a telegraph at the content of the content in	rvative added (reagent ons. Samples for pH, the time of sampling. emperature above free ese criteria but shall be	ID number) below as well as chlorine and dissolved oxygen Samples which require thermal ezing to 6°C. Samples that are
	Samples Inspected/	Checklist Completed By:	Karlel K	Daws achel Davis	Date:	12/07/2012
·	PI	M Review and Approval:				12/08/2012

Analytical Report for

AECOM

Certificate of Analysis No.: 13060621

Project Manager: John Canzeri Project Name: 7-11 Store #22281 Project Location: Fallston, MD



June 14, 2013
Phase Separation Science, Inc.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770

Fax: (410) 788-8723

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 PrucnalLaboratory Manager

Dan Perunal



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/Ti	ime Collected	
13060621-001	2414 Pleasantville Rd Potable	DRINKING WATER 06/0	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.

Final 1.000

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

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

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	ua/l	100	1	06/07/13	06/07/13 23:1	3 1035



PHASE SEPARATION SCIENCE, INC.

SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

www.phaseonline.com

email: info@phaseonline.com

STATE RESULTS REPORTED TO: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr 0=0il S=Soil L=Liquid SOL=Solid A=Air WI=Wipe REMARKS Shipping Carrier: (); the ь Б Ce Present Ore Cent Custody Seal: ABF PAGE # of Coolers: DW COMPLIANCE? | EDD FORMAT TYPE | YCCUP) *Requested TAT (One TAT per COC) 5-Day 3-Day 2-Day Other OTHER ☐ Emergency_ 790908 COA OC SUMM CLP LIKE Data Deliverables Required: Special Instructions: Next Day S-Day Preservatives Analysis/ PSS Work Order #: COMP TYPE Ł e Touched MATRIX (See Codes) P.O. NO .: 4 58/4/5CM PROJECT NO.: 144 25 *OFFICE LOC. (C/VM) '7, M) 5 *PROJECT MGR: JChn (MTE/*PHONE NO.: PW) 565-650, Received By: Received By: Received By: Received By: 1 1 CT GO POS DW CERT NO. なべい *DATE Time Time Time DILL PHENSON VINO RO POTINGO *PROJECT NAME: 1F9/19/50 302)> Date Date SITE LOCATION: F9/15 FM, MA *SAMPLE IDENTIFICATION Relinquished By: (2) Relinquished By: (3) Relinquished By: (4) SAMPLER(S): *CLIENT: LAB NO.

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. *= REQUIRED 6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

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Final 1.000



Phase Separation Science, Inc

Sample Receipt Checklist

OTHE ST					
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 Contain	ner(s)				
No. of Coolers	1			Ice	Present
Custody Seal(s) Seal(s) Signed			N/A N/A	Temp (deg C) Temp Blank Pres	4 sent No
Documentation				Sampler Name	Nick Barrett
COC agrees with Chain of Custoo	th sample labels? dy		Yes Yes	MD DW Cert. No.	. <u>N/A</u>
Sample Containe	er			Custody Seal(s) I	ntact? Not Applicable
-	Specified Analysis?		Yes Yes	Seal(s) Signed / [Dated Not Applicable
Labeled and La	bels Legible?		Yes		
Total No. of Sar	mples Received 1			Total No. of Cont	ainers Received 6
Preservation					
Metals			(pH<2)	N/A	
Cyanides			(pH>12)	N/A	
Sulfide			(pH>9)	N/A	
TOC, COD, Phe	enols		(ph<2)	N/A	
TOX, TKN, NH3	3, Total Phos		(pH<2)	N/A	
VOC, BTEX (VO	OA Vials Rcvd Prese	rved)	(pH<2)	Yes	
Do VOA vials ha	ave zero headspace	?		Yes	
Comments: (Ar	ny "No" response	must be d	etailed i	n the comments	section below.)
documentation of should be analyzed preservation shall hand delivered on	any client notification a d as soon as possible, be considered accepta	s well as clier preferably in the ble when rece bllected may no	nt instruction ne field at to lived at a to tot meet the	ons. Samples for pH, the time of sampling. emperature above free se criteria but shall be	t ID number) below as well as chlorine and dissolved oxygen Samples which require thermal ezing to 6°C. Samples that are e considered acceptable if there
Samples Inspected/0	Checklist Completed By:	Rachel A	Daws achel Davis	Date:	06/07/2013
PI	M Review and Approval:	any to Then	lænder		06/07/2013
		Am	v Friedlande	er e	

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.
6630 Baltimore National Pike
Baltimore, MD 21228
Phone: (410) 747-8770

Fax: (410) 788-8723

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

CALDS

OA 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 IdMatrixDate/Time Collected13121830-0012414 Pleasantville RdGROUND WATER12/18/13 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

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

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		

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 Matrix: GROUND WATER			e Sampled: 12/18 Received: 12/18		·	e ID: 1312183	0-001
VOC In Drinking Water plus Oxygenates	Analytica	l Method: E	EPA 524.2		Preparation Met	nod: 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 17:3	2 1011
Total Petroleum Hydrocarbons-GRO	Analytica	l Method: S	SW-846 8015C		Preparation Met	nod: 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 18:0	6 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

	SU	SURROGATE RECOVERY STUDY							
VOC In Drinking Water plus Oxygenates	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags				
Analytes									
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

	SU	RROGATE RI	ECOVERY	STUDY	
VOC In Drinking Water plus Oxygenates	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
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

	SU	SURROGATE RECOVERY STUDY								
VOC In Drinking Water plus Oxygenates	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags					
Analytes										
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						

Phase Separation Science, Inc. 6630 Baltimore National Pike Baltimore, MD 21228

^{*} Surrogate outside of Laboratory QC limits Surrogate Recovery [C] = 100 * A / B

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

	SURROGATE RECOVERY STUDY				
VOC In Drinking Water plus Oxygenates	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
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	

Phase Separation Science, Inc. 6630 Baltimore National Pike Baltimore, MD 21228

^{*} Surrogate outside of Laboratory QC limits Surrogate Recovery [C] = 100 * A / B

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

	SU	RROGATE RE	ECOVERY S	STUDY	
Total Petroleum Hydrocarbons-GRO	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
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

	SU	RROGATE RE	ECOVERY S	STUDY	
Total Petroleum Hydrocarbons-GRO	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
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

	SU	RROGATE RE	ECOVERY S	STUDY	
Total Petroleum Hydrocarbons-GRO	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
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

	SU	RROGATE RI	ECOVERY	STUDY	
Total Petroleum Hydrocarbons-GRO	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
a,a,a-Trifluorotoluene	104	100	104	65-111	

* Surrogate outside of Laboratory QC limits Surrogate Recovery [C] = 100 * A / B Phase Separation Science, Inc. 6630 Baltimore National Pike 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

	SU	RROGATE RE	ECOVERY S	STUDY	
Total Petroleum Hydrocarbons-GRO	Amount Found [A]	True Amount [B]	Recovery %R [C]	Control Limits %R	Flags
Analytes					
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. 6630 Baltimore National Pike 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 Sampl	le 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	Ü	1
Chlorobenzene	108-90-7	ND	0.5000	0.5000	ug/L	Ü	1
Chloroethane	75-00-3	ND	0.5000	0.5000	ug/L	Ü	1
Chloroform	67-66-3	ND	0.5000	0.5000	ug/L	Ü	1
Chloromethane	74-87-3	ND	0.5000	0.5000	ug/L	Ü	1
2-Chlorotoluene	95-49-8	ND	0.5000	0.5000	ug/L	Ü	1
4-Chlorotoluene	106-43-4	ND	0.5000	0.5000	ug/L	Ü	1
1,2-Dibromo-3-Chloropropane	96-12-8	ND	5.000	5.000	ug/L	Ü	1
Dibromochloromethane	124-48-1	ND	0.5000	0.5000	ug/L	Ü	1
1,2-Dibromoethane	106-93-4	ND	0.5000	0.5000	ug/L	Ü	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	Ü	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	Ü	1
1,3-Dichloropropane	142-28-9	ND	0.5000	0.5000	ug/L	Ü	1
2,2-Dichloropropane	594-20-7	ND	0.5000	0.5000	ug/L	Ü	1
1,1-Dichloropropene	563-58-6	ND	0.5000	0.5000	ug/L	Ü	1
cis-1,3-Dichloropropene	10061-01-5	ND	0.5000	0.5000	ug/L	Ü	1
Ethylbenzene Ethylbenzene	100-41-4	ND	0.5000	0.5000	ug/L	Ü	1
Isopropylbenzene	98-82-8	ND	0.5000	0.5000	ug/L	Ü	1
4-Isopropyltoluene	99-87-6	ND	0.5000	0.5000	ug/L	Ü	1
Methylene Chloride	75-09-2	ND	5.000	5.000	ug/L	Ü	1
Methyl-t-butyl ether	1634-04-4	ND	0.5000	0.5000	ug/L	Ü	1
Naphthalene	91-20-3	ND	0.5000	0.5000	ug/L	Ü	1
n-Propylbenzene	103-65-1	ND	0.5000	0.5000	ug/L	Ü	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 Date Prep: Dec-20-13 13:00 Tech: 1011 Seq Number: 110828 Parameter Cas Number RL Units Dil Result LOD Flag 100-42-5 ND ug/L U 1 Styrene 0.5000 0.5000 1,1,1,2-Tetrachloroethane ug/L U 630-20-6 ND 0.5000 0.5000 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 0.5000 ug/L U 108-88-3 ND 0.5000 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 ug/L 1,1,1-Trichloroethane ND 0.5000 U 71-55-6 0.5000 1 ug/L 1,1,2-Trichloroethane U 79-00-5 ND 0.5000 0.5000 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 IJ 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 ug/L tert-Butyl alcohol 75-65-0 ND 20.00 20.00 U 1 tert-Amyl methyl ether ug/L 994-05-8 ND 5.000 5.000 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 Date Prep: Dec-20-13 09:29 Tech: 1035

Seq Number: 110854

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
 Analyzed:
 Analyzed:
 Analyzed:

Reporting Units: 119/L

Reporting Units: ug/L		BLAN	K/BLANK	SPIKE	RECOVE	CRY STUDY
Total Petroleum Hydrocarbons-GRO	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes			[C]	[D]		
TPH-GRO (Gasoline Range Organics)	<100	5000	4795	96	61-138	

F = RPD exceeded the laboratory control limits

 $L = Recovery \ of \ BS, BSD \ or \ both \ below \ the \ laboratory \ control \ limits$

Sample: 48619-1-BKS

Method: E524.2PREP / E524.2

DI ANK /DI ANK CDIKE / DI ANK CDIKE DIDI ICATE DECOVEDY CTIDY

Project Name: 7-11 Fallston #22281

Work Order #: 13121830

Project ID: 60144763

Prep Batch #: 48619

Date Prepared: 12/20/2013 13:00

Analyst: 1011

Lab Batch ID: 110828

Date Analyzed: 12/20/2013 13:34

Matrix: Water

Units: ug/L

		Б	BLANK /BLA	NK SPII	KE / BLA	NK SPIKE	DUPLICA	TE RE	COVERY	STUDY	
VOC In Drinking Water plus Oxygenates	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
Analytes			[C]	[D]		Kesuit [F]	[0]				
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] 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

Sample: 48619-1-BKS

Project Name: 7-11 Fallston #22281

Work Order #: 13121830

Project ID: 60144763

Prep Batch #: 48619

Date Prepared: 12/20/2013 13:00

Analyst: 1011

Lab Batch ID:

Units:

110828 ug/L **Date Analyzed:** 12/20/2013 13:34

Method: E524.2PREP / E524.2 Matrix:

Water

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

Project Name: 7-11 Fallston #22281

Work Order #: 13121830

Project ID: 60144763

Prep Batch #: 48619 **Date Prepared:** 12/20/2013 13:00

Analyst: 1011

Lab Batch ID:

110828

Date Analyzed: 12/20/2013 13:34

Method: E524.2PREP / E524.2

Sample: 48619-1-BKS

Matrix: Water

Units: ug/L

Units: ug/L		B	BLANK /BLA	NK SPII	KE / BLA	NK SPIKE	DUPLICA	TE RE	COVERY	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] 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

Project Name: 7-11 Fallston #22281

Work Order #: 13121830

Project ID: 60144763

Prep Batch #: 48619

3619 **Date P**

Date Prepared: 12/20/2013 13:00

Ana

Analyst: 1011

Lab Batch ID:

110828

Date Analyzed: 12/20/2013 13:34

Method: E524.2PREP / E524.2

Sample: 48619-1-BKS

Matrix: V

Water

Units: ug/L

		В	BLANK /BLA	NK SPII	KE / BLA	NK SPIKE	DUPLICA	TE RE	COVERY	STUDY	
VOC In Drinking Water plus Oxygenates	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Spike Added [E]	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes			[C]	[D]		Result [F]	[G]				
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] 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



SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

PHASE SEPARATION SCIENCE, INC.

www.phaseonline.comemail: info@phaseonline.com

\mathcal{Y}_{CLIENT} : $\mathcal{A}\mathcal{F}(cn)$	*OFFIC	*OFFICE LOC. (6/6m)	. 0	- Ou	PSS Work Order #:		13/2/830	PAGE	OF
*PROJECT MGR. JULY (4) CHONENO.	*V*	P €):(0)	-525 4	1-50-5	Matrix Codes: SW=Surface Wtr L	Matrix Codes: SW=Surface Wtr DW=Drinking Wtr GW=Ground Wtr WW=Waste Wtr O=Oil S=Soil L=Liquid SOL=Soild A=Air WI=Wipe	id Wtr WW=Waste Wtr O=	Oil S=Soil L=Liquid SO	DL=Solid A=Air WI=Wipe
FMAII	FAX NO				No.				
*PROJECT NAME: F4/1/5/4/ \$ 333 8	1266		РВОЈЕСТ 100. 1 44763	44763		Analysis/ Method Required/		<u> </u>	
SITE LOCATION: 74 /15/617 , M.D.	U U	P.O. P	P.O. NO.: 4 5 8	6×1485	A COMP	$\overline{}$	\ \ \	\ \ \	_
SAMPLER(S): N. (1/1/4 1/01)	1	DW CERT NO.:	JO.:		N G= GRAB	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		<u></u>	
LAB NO. *SAMPLE IDENTIFICATION	Z	*DATE	*TIME (SAMPLED)	MATRIX (See Codes)	œν	/ / / / 5/	<i> </i>	<u></u>	/ REMARKS
Myllindrasbald 414C		13/18/13	14.5	M S	6 6	7			
Relinquished By (U)	Date Date	Time \$\inf\tau_2 \tau_2	Received By:	Y. Oher	R		*Requested TAT (One TAT per COC) 5-Day 3-Day 2-Day Next Day Emergency Other	# of Coolers: Custody Seal:	465
Relinquished By. (2)	Date	Тіте	Received B	y:	0	Data Deliverables Required: COA QC SUMM CLP LIKE	equired: P LIKE OTHER	Ice Present: Rec	1 Temp: 6°C
Relinquished By: (3)	Date	Time	Received By:	y:		Special Instructions:			
Relinquished By: (4)	Date	Time	Received By:	×		DW COMPLIANCE?	EDD FORMAT TYPE	STATE RESUL	STATE RESULTS REPORTED TO:

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 6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723

the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary. *= REQUIRED



Phase Separation Science, Inc

Sample Receipt Checklist

EDING THE STAND		oup.	0 110001	pr Gilooniiot	
Work Order #	13121830		ı	Received By	Robyn Rhudy
Client Name	AECOM		ı	Date Received	12/18/2013 03:52:00 PM
Project Name	7-11 Fallston #2228	31	ı	Delivered By	Client
Project Number	60144763		-	Tracking No	Not Applicable
Disposal Date	01/22/2014		ı	Logged In By	Robyn Rhudy
Shipping Contai	ner(s)				
No. of Coolers	1			Ice	Present
Custody Seal(s) Intact? Seal(s) Signed / Dated?			N/A N/A	Temp (deg C) 6 Temp Blank Present No	
Documentation				Sampler Name Nick Barrett	
COC agrees with sample labels? Chain of Custody			Yes Yes	MD DW Cert. No.	. <u>N/A</u>
Sample Container				Custody Seal(s) Intact? Not Applicable	
Appropriate for Specified Analysis? Intact? Labeled and Labels Legible?			Yes Yes Yes	Seal(s) Signed / [Dated Not Applicable
	mples Received 1			Total No. of Cont	ainers Received 6
Preservation					
Metals Cyanides			(pH<2)	N/A N/A	
Sulfide			(pH>12) (pH>9)	N/A 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: (Ar	ny "No" response	must be d	etailed i	n the comments	section below.)
documentation of should be analyzed preservation shall hand delivered on	any client notification a d as soon as possible, be considered accepta	is well as clied preferably in to ble when rece ollected may n	nt instruction he field at the eived at a to ot meet the	ons. Samples for pH, he time of sampling. emperature above free se criteria but shall be	t ID number) below as well as chlorine and dissolved oxygen Samples which require thermal ezing to 6°C. Samples that are e considered acceptable if there
Samples Inspected/0	Checklist Completed By:	Poly K	buly obyn Rhudy	Date:	12/19/2013
Pľ	M Review and Approval:	any Free	Lænder y Friedlande		12/19/2013