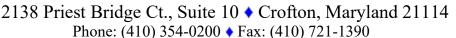


PETROLEUM MANAGEMENT, INC.

Environmental Services Division





November 4, 2019

Maryland Department of the Environment Oil Control Program Attn: Susan Bull 1800 Washington Blvd., Suite 620 Baltimore, MD 21230

> RE: Corrective Action Phase Reporting Wiley H. Bates Middle School 701 Chase Street, Annapolis Facility ID# 3200

Dear Ms. Bull,

In cooperation with HP Environmental, Inc. (HPE), Petroleum Management, Inc. (PMI) has completed most of the directed corrective action measures in accordance with the *Corrective Action Plan Approval* dated June 11, 2019. The following report prepared by HPE details and summarizes the monitoring well installations and completion of the first quarter well sampling as well as introduction of completed Enhanced Fluid Recovery (EFR) events.

As the accumulated groundwater and EFR data is further reviewed, a conceptual site model for the hydraulic conditions will be developed in order to design a suitable permanent groundwater recovery and treatment system. It is anticipated that this data evaluation and system design will be completed by November 8, 2019.

Second quarter well sampling and analysis will be completed soon with a 2nd Quarter Sampling & Report to be completed for submittal by mid-November.

Thank you for your attention to this case.

W. Scott Alexander
W. Scott Alexander
Environmental Projects Manager

Enc.

cc: Mr. Christopher Williams
Environmental Issues Program Manager
Anne Arundel County Public Schools
9034 Fort Smallwood Rd.
Pasadena, MD 21122



October 29, 2019

Ms. Susan R. Bull
Eastern Region Supervisor
Maryland Department of the Environment
Oil Control Program
Remediation Division
1800 Washington Boulevard
Suite 620
Baltimore, Maryland 21230

Re: Well Installation Summary and First Quarterly Sampling Report

OCP Case No. 2018-0559-AA

Bates Middle School 701 Chase Street

Annapolis, Anne Arundel County, Maryland

Facility ID No. 3200

Ms. Bull,

HP Environmental, Inc. (HPE) and Petroleum Management, Inc. (PMI) have prepared this report to satisfy the Maryland Department of the Environment (MDE) requirements for submittal of a Well Installation and First Quarter Sampling Report (the "Report") for OCP Case No. 2018-0559-AA, Bates Middle School. The Site is addressed as 701 Chase Street, Annapolis, Anne Arundel County, Maryland (Figure 1).

Background

Following the discovery and report of heating oil within the stormwater outfall pipe exiting the school property and entering adjacent Spa Creek in April 2018 and reports of heating oil releases from the school's boiler room, MDE's Oil Control Program (OCP) opened current Case # 2018-0559-AA on May 2, 2018. It is reported that at least two significant heating oil releases have occurred in the boiler room, one on April 27, 2017 and another on December 31, 2017. The amount of heating oil released during each of the two recent events is unknown. The initial response to the April 2017 release at the stormwater outfall pipe included recovery of free product (liquid phase hydrocarbons, LPH) using absorbent booms and vacuum trucks. Placement and recovery of absorbent booms at the stormwater outfall continues as investigation and mitigation of the source of LPH continues.

As a result of these releases, OCP has reviewed the database regarding this Site and has noted several other releases of heating oil. MDE Case# 17-0331-AA (closed) documents a similar

heating oil release from the school's boiler room that impacted the stormwater drainage system and Spa Creek in December 2016. MDE Case# 15-0497-AA documents consecutive UST tightness test failures that resulted in UST system closure and replacement in July 2015.

In response to the persisting presence of heating oil in the stormwater outfall to Spa Creek, the County's contractor flushed out the stormwater drainage system using 2,500 gallons of water on May 2, 2018. Water was introduced into an upgradient storm drain inlet and recovered at the outfall using vacuum trucks. On June 26, 2018, the interior of the stormwater piping system was inspected using a video camera and no entry point for heating oil intrusion was identified. Following the flushing and video inspection of the stormwater piping, several MDE follow-up inspections of the stormwater outfall to Spa Creek have been completed with heating oil impacts consistently observed during each visit.

Based upon the unknown quantities of heating oil released at this Site over time and the continued impacts noted at the stormwater outfall to Spa Creek, the OCP required that a subsurface investigation of the target areas be completed to identify the source of the ongoing heating oil impacts. PMI submitted the requested Work Plan for a Limited Subsurface Investigation of the subject area on December 26, 2018 and received approval of the proposed Work Plan on January 28, 2019. The Limited Subsurface Investigation was completed and reported to the MDE by PMI on April 22, 2019. Based on the results of the investigation PMI proposed a scope of work for a Corrective Action Plan (CAP) that was approved by the MDE on June 6, 2019. The approved CAP included installation and sampling of several groundwater monitoring wells to investigate the lateral and vertical extent of both dissolved-phase and liquid petroleum hydrocarbons (LPH) at the Site.

Monitoring Well Installation

PMI retained Hillis-Carnes to install thirteen 4-inch diameter groundwater monitoring wells. The wells were installed between July 16 and 25, 2019. Well locations are shown on Figure 2. Each well was completed using hollow-stem drilling methods to approximately 30 feet below grade. Well completion forms were submitted by Hillis-Carnes to Anne Arundel County and are included in Appendix A. All contact drilling equipment was decontaminated prior to drilling and then between each well location. Decontamination fluids were collected and drummed for off-site disposal. Upon completion of the well installation each well was developed by surging and pumping methodologies. All development water was containerized for off-site disposal. Each well was gauged for depth to water and surveyed for elevation.

Geologic Setting

Geologically the Site is located on the Coastal Plain Physiographic Province of Maryland. According to the Geologic Map of Maryland, the Site is underlain by the Paleocene-aged Aquia Formation. The Aquia Formation is typified by "dark green to gray-green, argillaceous, highly glauconitic, well sorted fine- to medium-grained sand; locally indurated shell beds." This is an upper Paleocene glauconitic sand and calcareous sandstone unit, which when deeply weathered presents as a rusty sand rather than a typical olive-green glauconitic sand. This latter description agrees well with the soil samples recovered during PMI's Limited Subsurface

Ms. Susan R. Bull October 29, 2019

Investigation as well as the lithologies encountered during the installation of the groundwater monitoring wells.

First Quarter Sample Collection

Groundwater samples were collected from the wells on August 7 and 8, 2019. Measurable LPH was detected in monitoring wells MW-1, MW-2, and MW-3 therefore groundwater samples were not collected from these three wells. Prior to sampling collection, each well was gauged for depth to water and total depth and then purged of a minimum of three well volumes. All purge water was containerized for off-site disposal. A groundwater flow map for this round of sample collection is shown on Figure 3 and presents a flow direction to the south towards Spa Creek. Cross sections through the Site are shown on Figures 4 and 5. It should be noted that HPE reviewed plans from 1951 provided by the Client in an effort to determine if sub-grade building features were in contact with the local groundwater table. The exact building foundation configuration could not be determined from the Site plans provided.

Groundwater samples were collected using low-flow methodology into laboratory provided glassware and immediately placed on ice for transportation to the laboratory. Each groundwater sample was submitted for analysis of total petroleum hydrocarbons diesel-range organics (TPH-DRO) and TPH gasoline-range organics (TPH-GRO) by U.S. Environmental Protection Agency (EPA) Method 8015 and volatile organic compounds (VOCs) by EPA Method 8260. Groundwater sample results are presented in Table 1. Analytical data sheets and chain of custody forms are included in Appendix B.

As seen in Table 1 most of the groundwater sample results were non-detect (ND) for all analytical parameters. Low levels of dissolved phase contamination were only detected in the underground storage tank (UST) tank field monitoring pipes.

LPH Occurrence

On the date of the groundwater sample collection LPH was detected in monitoring wells MW-1, MW-2 and MW-3. All three of these wells are located adjacent to the boiler room foundation wall and in the vicinity of the boiler room sump (Figure 2). This is also the area of the Site where LPH had been entering the storm sewer through a perforation in a cast iron pipe. This pipe was excavated and replaced by the plumbing contractor for Anne Arundel County Schools in August of 2019. The volume of LPH observed at the storm sewer outfall to Spa Creek has been significantly reduced since the storm sewer repairs.

LPH thicknesses over time are presented in Table 2 and show a slow general decline in LPH volume over time. It is not clear if this reduction is the result of a reduction in the LPH mass in the subsurface or a response to the recent lack of rainfall. HPE and PMI will continue to monitor this condition in an effort to ascertain the significance of the LPH thickness decline in MW-1, MW-2, and MW-3.

The LPH occurrence at the Site is unusual in that there is a large thickness of LPH in MW-1 with lesser thicknesses in MW-2 and MW-3. As can be seen from Table 2 the large LPH thickness in MW-1 are a recurring condition from enhanced fluid recovery (EFR) event to EFR event. One

possibility to explain this condition could be the presence of LPH beneath the boiler room foundation slab that is migrating beyond the foundation system in some fashion near the location of MW-1. Additionally, site plans for the school from 1951 show a "coal storage" structure to the south of the existing chimney structure. This former coal storage structure was filled in or demolished at some point in the past. MW-1 has been drilled in this area so the presence of a disturbed area in the subsurface cannot be ruled out. Additional investigation may be needed to assess this condition further and to ensure that any future permanent remediation systems are designed to incorporate this possible LPH mass.

Enhanced Fluid Recovery Events

EFR events have been performed by PMI twice a week since August 8, 2019. For each of these events total fluids have been extracted from monitoring wells MW-1, MW-2, and MW-3. In general, the EFRs were conducted over a period of two hours for each well. A summary of the fluids recovered by events is presented in Table 3. As of October 16, a total of 13,361 gallons of water and 570 gallons of LPH have been recovered. EFRs are planned to continue until such time as a permanent groundwater recovery system can be designed and installed or the LPH mass is exhausted, whichever occurs first.

Future Work

The EFR events will continue on the current once per week calendar as a methodology to control the migration of LPH away from the building and towards Spa Creek. Groundwater elevation data has been recorded during the EFR events, initially by manual gauging and lately by means of submerged data loggers. This data will be evaluated by HPE and PMI to develop a conceptual site model for the hydraulic conditions. These calculations will then be used to assess the need for installation of a permanent groundwater recovery and treatment system. If a permanent system is needed the collected groundwater data will be used to design the system. It is anticipated that this data evaluation and system design, if needed, will be completed by November 8, 2019.

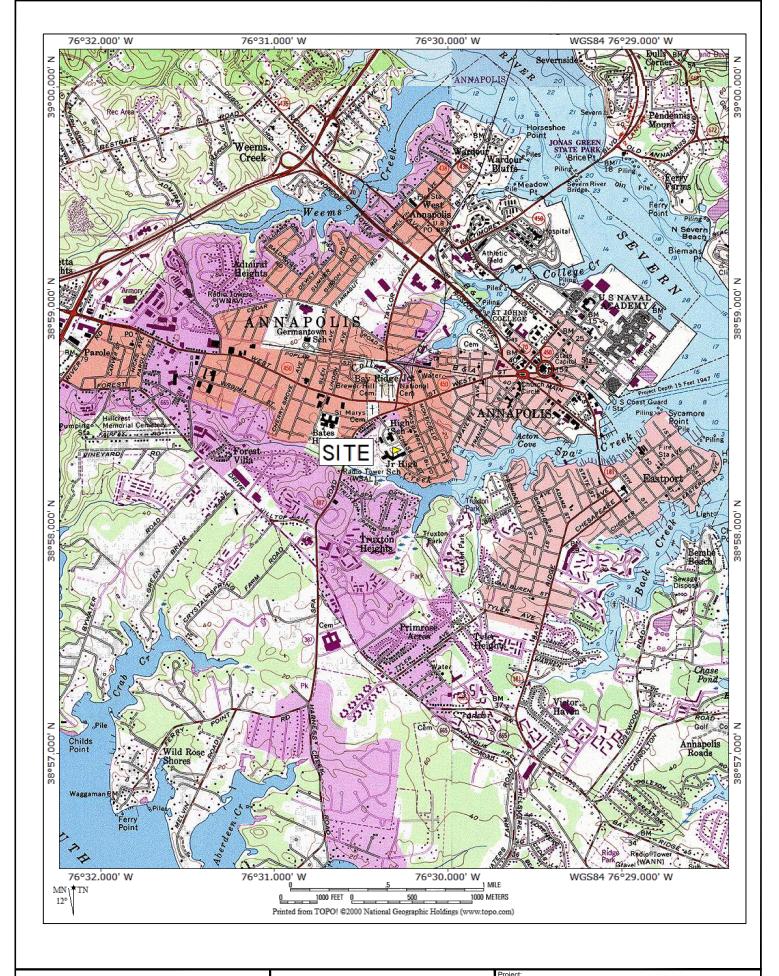
Please feel free to contact myself or Scott Alexander at Petroleum Management, Inc. should you have any questions or comments.

Sincerely,

Kent D. Campbell, CPG

Director of Site Assessment, Monitoring & Compliance

Attachments



HP ENVIRONMENTAL, INC.

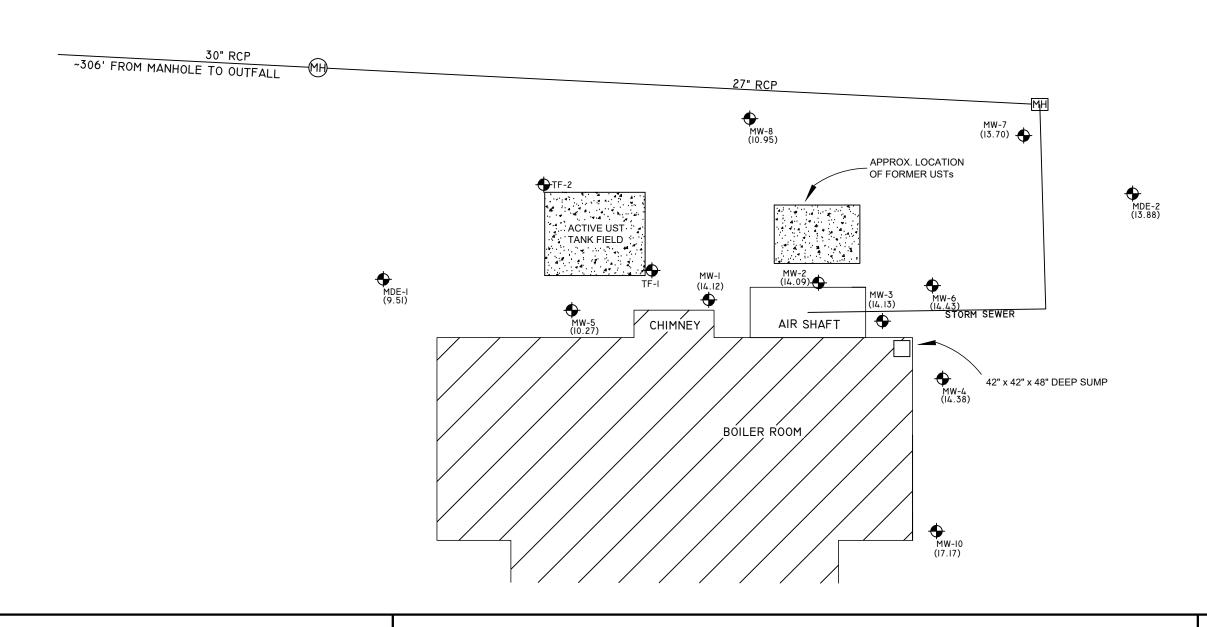
104 ELDEN STREET, HERNDON, VIRGINIA 20170 TELPHONE 703 471 4200 FAX 703 471 0020 FIGURE 1 SITE LOCATION MAP BATES MIDDLE SCHOOL 701 CHASE STREET ANNAPOLIS, MARYLAND

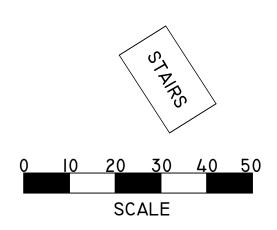
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STAIRS





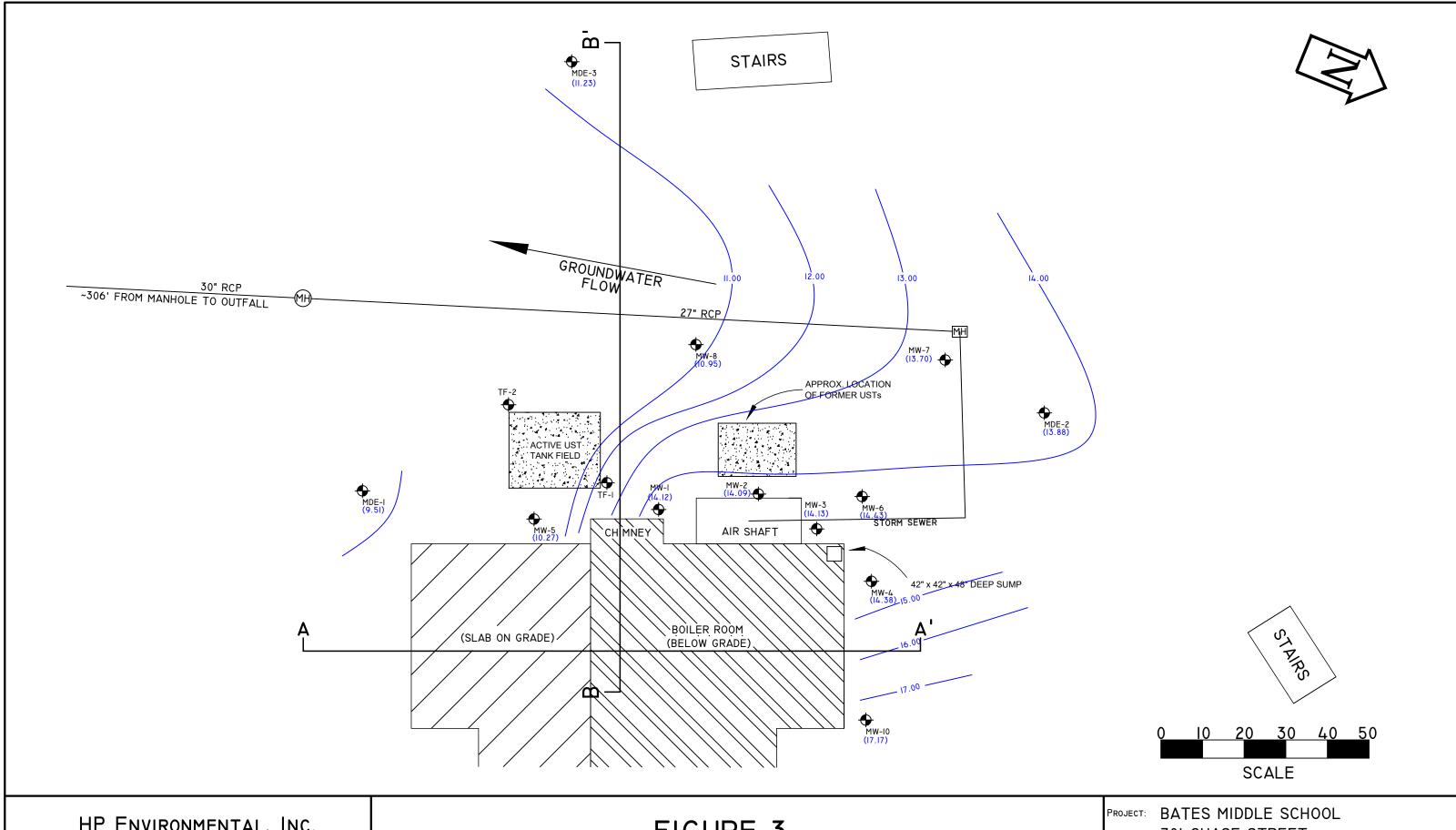


HP ENVIRONMENTAL, INC.

104 ELDEN STREET, SUITE II
HERNDON, VIRGINIA 20170
TELEPHONE 703 471 4200 FAX 703 471 0020

FIGURE 2 SITE SKETCH PROJECT: BATES MIDDLE SCHOOL 701 CHASE STREET ANNAPOLIS, MARYLAND

DATE:	DRAWN BY:	CAD FILE:	SCALE:
09/13/19	КС	BATES FIG 2	AS SHOW



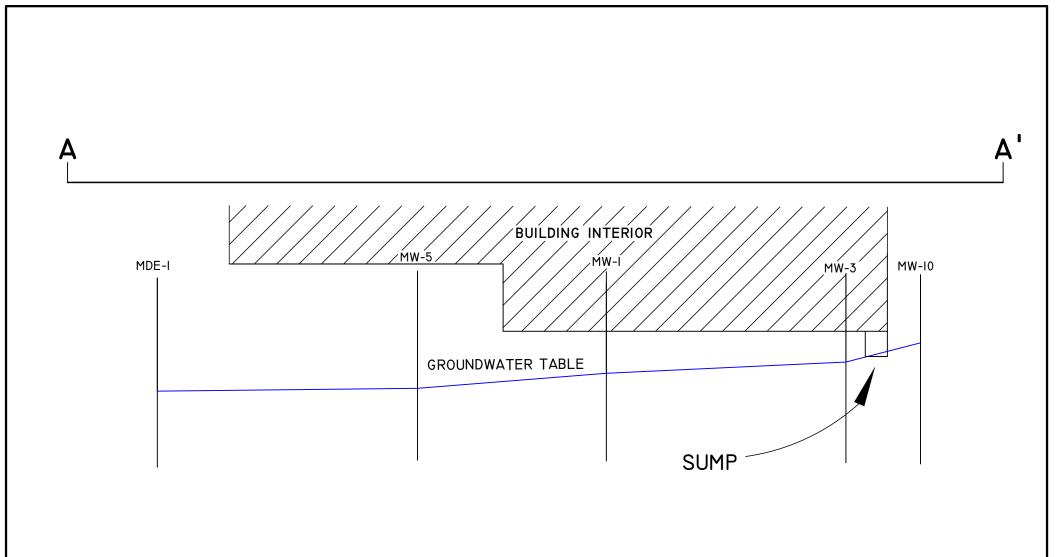
HP ENVIRONMENTAL, INC.

104 ELDEN STREET, SUITE II HERNDON, VIRGINIA 20170 TELEPHONE 703 471 4200 FAX 703 471 0020

FIGURE 3 GROUNDWATER FLOW 08/08/2019

70I CHASE STREET ANNAPOLIS, MARYLAND

DATE:	DRAWN BY:	CAD FILE:	SCALE:	
09/13/19	KC	BATES FIG 2	AS SHOW	



HP ENVIRONMENTAL, INC.

104 ELDEN STREET, SUITE II HERNDON, VIRGINIA 20170 TELEPHONE 703 471 4200 FAX 703 471 0020 FIGURE 4 CROSS-SECTION A-A' PROJECT: BATES MIDDLE SCHOOL 701 CHASE STREET ANNAPOLIS, MARYLAND

DATE: DRAWN BY: CAD FILE: 09-15-19 KDC FIG 4

FIG 4 NTS

TABLE 1

Groundwater Sample Analytical Results Bates Middle School Annapolis, Maryland August 2019

Sample No. (Depth)	Analyte ⁽¹⁾	Concentration
MDE-1	VOCs ⁽²⁾ TPH-GRO ⁽³⁾ TPH-DRO ⁽⁴⁾	ND ⁽⁵⁾ <2 μg/L ⁽⁶⁾ ND < 100 ND < 260 μg/L
MDE-2	VOCs TPH-GRO TPH-DRO	ND<2 μg/L ND < 100 μg/L ND < 260 μg/L
MDE-3	VOCs TPH-GRO TPH-DRO	ND<2 μg/L ND < 100 μg/L ND < 260 μg/L
MW-1	Not sampled due to presence of LPH	N/A
MW-2	Not sampled due to presence of LPH	N/A
MW-3	Not sampled due to presence of LPH	N/A
MW-4	VOCs TPH-GRO TPH-DRO	ND<2 µg/L ND < 100 µg/L ND < 260 µg/L
MW-5	VOCs TPH-GRO TPH-DRO	ND<2 µg/L ND < 100 µg/L ND < 260 µg/L
MW-6	VOCs TPH-GRO TPH-DRO	ND<2 μg/L ND < 100 μg/L ND < 260 μg/L
MW-7	VOCs TPH-GRO TPH-DRO	ND<2 μg/L ND < 100 μg/L ND < 260 μg/L
MW-8	VOCs TPH-GRO TPH-DRO	ND<2 μg/L ND < 100 μg/L ND < 260 μg/L
MW-10	VOCs TPH-GRO TPH-DRO	ND<2 μg/L ND < 100 μg/L ND < 260 μg/L
TF-1	VOCs TPH-GRO TPH-DRO	Naphthalene 3.3 μg/L 1,2,4-trimethylbenzne 1.9 μg/L J ⁽⁷⁾ ND < 100 μg/L 860 μg/L
TF-2	VOCs TPH-GRO TPH-DRO	ND<2 µg/L ND < 100 µg/L 940 µg/L

⁽¹⁾ Only positive detections presented in table

VOCs – Volatile organic compounds by EPA Method 8260

(3) TPH-GRO – total petroleum hydrocarbons gasoline-range organics by EPA Method 8015

⁽⁴⁾ TPH-DRO - total petroleum hydrocarbons diesel-range organics by EPA Method 8015

⁽⁵⁾ ND – not detected above the method detection limit

 $^{^{(6)}}$ µg/L - micrograms per liter or roughly equivalent to parts per billion $^{(7)}$ J – compound detected below the method reporting limit, so concentration is an estimated value.

Table 2
LPH Thickness Over Time
Bates Middle School
Annapolis, Maryland

Doto	Davi	Produ	ct Thickness (feet)
Date	Day	MW-1	MW-2	MW-3
8/8/2019	Thursday	13.49	1.73	0.94
8/13/2019	Tuesday	12.04	1.31	0.80
8/15/2019	Thursday	8.67	1.22	0.31
8/20/2019	Tuesday	12.46	1.33	0.53
8/22/2019	Thursday	7.4	1.21	0.24
8/27/2019	Tuesday	11.04	1.25	0.33
8/30/2019	Thursday	9.98	1.17	0.15
9/3/2019	Tuesday	8.57	1.21	0.10
9/5/2019	Thursday	5.05	1.23	0.05
9/10/2019	Tuesday	8.95	1.19	0.18
9/12/2019	Thursday	4.56	1.02	0.06
9/17/2019	Tuesday	6.97	1.41	0.02
9/19/2019	Thursday	3.36	1.10	0.07
9/24/2019	Tuesday	6.22	1.17	80.0
9/26/2019	Thursday	3.52	0.92	0.07
10/1/2019	Tuesday	5.73	1.05	0.02
10/3/2019	Thursday	2.80	1.17	0.00
10/08/19	Tuesday	3.99	1.04	0.01
10/10/19	Thursday	2.43	1.19	0.02
10/16/19	Wednesday	3.99	1.6	0.02

Table 3

EFR Event SummaryBates Middle School 701 Chase Street Annapolis, Maryland

Date	Well	Initial		Initial	LPH	Exit		Exit	LPH	Total Liquid	Total LPH
	ID	Time		Gauge	Thickness	Time		Gauge	Thickness	Recovery	Recovery
				(ft.)	(ft.)			(ft.)	(ft.)	(gallons)	(gallons)
8/8/2019	MW-1	9:00	Depth to	14.32	13.49	14:50	Depth to	15.87	0.36	809	53
			Liquid-				Liquid-				
			Depth to	27.81			Depth to	16.23			
	MW-2		Water-	14.08	1.73	-	Water-	15.03	0.15	_	
	10100-2			15.81	- 1.73			15.03	- 0.13		
	MW-3			14.02	0.94	4		14.75	0.12	_	
	10100-3			14.02	- 0.94			14.75	- 0.12		
8/13/2019	MW-1		Donth to	14.41	12.04		Donth to		3.02	975	50
8/13/2019	IVIVV-I		Depth to Liquid-	14.41	12.04		Depth to Liquid-	15.62	3.02	975	50
			Depth to	26.45			Depth to	18.64			
			Water-				Water-				
	MW-2			14.10	1.31	1		14.62	0.57		
				15.41				15.19			
	MW-3			14.08	0.80			14.58	0.07		
				14.88				14.65			
8/15/2019	MW-1	8:50	Depth to	14.78	8.67		Depth to	15.75	2.59	896	26
			Liquid-				Liquid-				
			Depth to	23.45			Depth to	18.34			
	MW-2		Water-	14.22	1.22	-	Water-	14.64	0.60	_	
	10100-2			15.44	- 1.22			15.24	- 0.00		
	MW-3			14.23	0.31	4		14.59	0.00	_	
	10100-3		_	14.23	- 0.31			14.59	- 0.00		
8/20/2019	MW-1	7:20	Depth to	14.54	12.46	15:50	Depth to	15.57	3.14	768	37
012012013	10100-1	7.20	Liquid-	14.00	12.40	13.30	Liquid-	10.01	3.14	700	37
			Depth to	26.99			Depth to	18.71			
			Water-				Water-				
	MW-2			15.21	1.33			14.61	0.75		
				16.54				15.36			
	MW-3			14.19	0.53			14.57	0.00		
				14.72				14.57			
8/22/2019	MW-1	8:02	Depth to Liquid-	14.90	7.40	15:40	Depth to Liquid-	15.60	2.21	399	41
			Depth to Water-	22.30			Depth to Water-	17.81			
	MW-2	1		14.30	1.21	1		14.61	0.68	1	
				15.51				15.29			

	MW-3			14.26	0.24			14.55	0.06		
				14.50				14.61			
8/27/2019	MW-1	7:20	Depth to Liquid-	14.60	11.04	14:15	Depth to Liquid-	15.22	6.36	670	24
			Depth to Water-	25.64			Depth to Water-	21.58			
	MW-2			14.26	1.25	.25		14.73	0.58		
				15.51				15.31			
	MW-3			14.21	0.33			14.76	0.08		
				14.54				14.84			
8/30/2019	MW-1	7:40	Depth to Liquid-	14.68	9.98		Depth to Liquid-	15.64	2.59	670	24
			Depth to Water-	24.66			Depth to Water-	18.23			
	MW-2			14.32	1.17			14.65	0.66		
				15.49				15.31			
	MW-3			14.29	0.15			14.58	0.01		
				14.44				14.59			
9/3/2019	MW-1	7:12	Depth to Liquid-	14.90	8.57	2:44	Depth to Liquid-	15.69	2.53	623	23
			Depth to Water-	23.47			Depth to Water-	18.22			
	MW-2			14.35	1.21	1		14.65	0.68		
				15.56				15.33			
	MW-3			14.29	0.10			14.60	0.03		
				14.39				14.63			
9/5/2019	MW-1	6:30	Depth to Liquid-	15.30	5.05	2:50	Depth to Liquid-	15.75	1.63	348	9
			Depth to Water-	20.35			Depth to Water-	17.38			
	MW-2			14.39	1.23			14.68	0.60		
				15.62				15.28			
	MW-3			14.35	0.05			14.57	0.00		
				14.40				14.57			
9/10/2019	MW-1	6:50	Depth to Liquid-	14.96	8.95	2:05	Depth to Liquid-	15.76	2.14	530	18
			Depth to Water-	23.91			Depth to Water-	17.90			
	MW-2			14.38	1.19			14.68	0.55		
				15.57				15.23			
	MW-3			14.35	0.18			14.58	0.01		

				14.53				14.59			
9/12/2019	MW-1	6:30	Depth to Liquid-	15.35	4.56	1:15	Depth to Liquid-	16.01	1.07	485	13
			Depth to Water-	19.91			Depth to Water-	17.08			
	MW-2		· · · · · ·	14.42	1.02		110.01	14.74	0.57		
				15.44				15.31			
	MW-3			14.37	0.06			14.69	0.05		
				14.43				14.74			
9/17/2019	MW-1	5:56	Depth to Liquid-	15.21	6.97	12:47	Depth to Liquid-	20.08	0.42	485	13
			Depth to Water-	22.18			Depth to Water-	20.50			
	MW-2			14.40	1.41			14.93	0.26		
				15.81				15.19			
	MW-3			14.38	0.02			14.75	0.00		
				14.40				14.75			
9/19/2019	MW-1	6:20	Depth to Liquid-	15.61	3.36	13:23	Depth to Liquid-	18.67	0.31	531	24
			Depth to Water-	18.97			Depth to Water-	18.98			
	MW-2			14.46	1.10			14.78	0.34		
				15.56				15.12			
	MW-3			14.42	0.07			14.67	0.01		
				14.49				14.68			
9/24/2019	MW-1	7:06	Depth to Liquid-	15.27	6.22	13:26	Depth to Liquid-	16.26	1.50	786	26.5
			Depth to Water-	21.49			Depth to Water-	17.76			
	MW-2			14.44	1.17			15.08	0.35		
				15.61				15.43			
	MW-3			14.41	0.08			14.93	0.03		
				14.49				14.96			
9/26/2019	MW-1	6:40	Depth to Liquid-	15.68	3.52	13:15	Depth to Liquid-	16.41	1.08	1201	33
			Depth to Water-	19.20		Depth to Water-	17.49				
	MW-2			14.53	0.92			15.15	0.36		
				15.45				15.51			
	MW-3			14.46	0.07			15.03	0.01		
				14.53				15.04			

10/1/2019	MW-1	6:40	Depth to Liquid-	15.52	5.73	13:35	Depth to Liquid-	16.43	0.97	1433	52
			Depth to Water-	21.25			Depth to Water-	17.40			
	MW-2			14.50	1.05			15.11	0.36		
				15.55				15.47			
	MW-3			14.48	0.02			15.11	0.01		
				14.50				15.12			
10/3/2019	MW-1	6:40	Depth to Liquid-	15.94	2.80	13:15	Depth to Liquid-	16.53	0.71	577	32
			Depth to Water-	18.74			Depth to Water-	17.24			
	MW-2			14.58	0.88			15.13	0.18		
				15.46				15.31			
	MW-3			14.52	0.00			14.96	0.00		
				14.52				14.96			
10/8/2019	MW-1	8:02	Depth to Liquid-	15.90	3.99	14:39	Depth to Liquid-	16.34	1.34	441	10.62
			Depth to Water-	19.89			Depth to Water-	17.68			
	MW-2			14.54	1.04			14.90	0.44		
				15.58				15.34			
	MW-3			14.50	0.01			14.71	0.01		
				14.51				14.72			
10/10/2019	MW-1	7:45	Depth to Liquid-	16.09	2.43	14:15	Depth to Liquid-	16.54	0.70	485	10.92
			Depth to Water-	18.52			Depth to Water-	17.24			
	MW-2			14.58	1.19			14.96	0.45		
				15.77				15.41			
	MW-3			14.55	0.02			15.10	0.00		
				14.57				15.10			
10/16/2019	MW-1	7:28	Depth to Liquid-	15.91	3.99	14:08	Depth to Liquid-	16.59	1.05	820	50.34
			Depth to Water-	19.90			Depth to Water-	17.64			
	MW-2			14.54	1.60			15.08	0.57		
				16.14				15.65			
	MW-3]		14.50	0.02			15.72	0.01		
				14.52				15.73			

				Running	13,932	570.38
					. 0,00=	0.0.00
				Total		
				Total		

APPENDIX A

Monitoring Well Completion Forms

The same of the sa				
SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6	WELL COMPLETION REPORT	COUNTY		
(THIS NUMBER IS TO BE PUNCHED	FILL IN THIS FORM COMPLETELY PLEASE TYPE	NUMBER		
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE WELL COMPL		PERMIT NO.		
DATE Beceived	22 26	FROM "PERMIT TO DRILL WELL"		
8 13 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
A SA LIT THE	· Salark			
OWNER last name	first name TOWN	MANIS		
SUBDIVISION	SECTION	LOT		
WELL LOG	GROUTING RECORD yes no	C3		
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST		
L FEET L check	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)		
Description	GALLONS OF WATER	11 15		
BOWN MOISTO 37	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE		
Sorry SILI,	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)		
nocley to X	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	,		
1 the old	casing CASING RECORD	BEFORE PUMPING 17 tt.		
WIFE CAS	types ST CO	WHEN PUMPINGft.		
	(appropriate) STEEL CONCRETE	22 25 II.		
	below PLASTIC OTHER	TYPE OF PUMP USED (for test)		
	MAIN Nominal diameter Total depth	A air P piston T turbine		
1. 3 1 1	CASING top (main) casing of main casing	27 27 other		
	TYPE (nearest inch)! (nearest toot)	centrifugal R rotary (describe below)		
	60 61 63 64 66 70	J jet S submersible		
	E OTHER CASING (if used)	27 27		
	A diameter depth (feet) C H inch from to			
	C	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO		
	S I	(CIRCLE) (YES or NO)		
	N	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED		
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.		
	insert STEEL BRASS OPEN	CAPACITY:		
	code	GALLONS PER MINUTE (to nearest gallon) 31 35		
	below PLASTIC OTHER	(to hourdst gamen)		
	C 2 DEPTH /paggast #)	PUMP HORSE POWER 37 41		
NUMBER OF UNSUCCESSFUL WELLS:	DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)		
yes no	PL OR X	CASING HEIGHT (circle appropriate box		
WELL HYDROFRACTURED Y	A 8 9 11 . 15 17 21	and enter casing height)		
CIRCLE APPROPRIATE LETTER	H 2 3 24 26 30 32 36	49 LAND SURFACE		
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest) foot)		
E ELECTRIC LOG OBTAINED	R 38 39 41 45 47 51	49 / 50 51		
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3	LATITUDE 3 8.58 19.62		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND		LONGITUDE 7 6.30 24 LA		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN (INCH)	(DEFAULT COORD. WGS 84)		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to	Pursuant to \$10-624 of the State Govt. Article of		
DRILLERS LIC, NO.1 M GD 151	GRAVEL PACK	the Maryand Code personal info. requested on this form is used in processing this form pursuant		
-WYTATIAL =	IF WELL DRILLED WAS FLOWING WELL	to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You		
DRILLERS SIGNATURE	INSERT F IN BOX 68 68	have the right to inspect, amend, or correct this		
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	form. The Maryland Department of the Environment is subject to the Maryland Public		
LIC, NO.1 M DD L S L .	T (E.R.O.S.) W Q	Information Act. This form may be made available on the Internet via MDE's website and is		
- AND DITURES =	7072	subject to inspection or copying, in whole or in		
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76	part, by the pulic and other governmental agencies, if not protected by federal or state law.		
responsible for sitework if uniterest from permittee)	CASING INDICATOR OTHER DATA			
MDE/WMA/PER.071	OWNER			

C 1 39100 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN
1 2 3 6	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	45 DAYS AFTER WELL IS COMPLETED. COUNTY
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	PLEASE TYPE	NUMBER
DATE Received MM DD YY MM DD YY	·v	PERMIT NO. FROM "PERMIT TO DRILL WELL"
MM DD YY 8 13 15	22 26 20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER And Across	Co. Public Schools	A
WELL SITE ADDRESS last name	has first name TOWN	Anna Palis
SUBDIVISIONWELL LOG	SECTION GROUTING RECORD YES	LOT
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed) FROM TO check if water FROM TO bearing	CEMENT C M BENTONITE CLAY B C	8 9
, Them to bearing	NO. OF BAGS NO. OF POUNDS	PUMPING RATE (gal. per min.)
	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
Bown, Noist	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
1 w+ 1 0 30 X	(enter 0 if from surface)	BEFORE PUMPING ft.
	types CITI CIOI	17 20
JUL HIK	(appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.
C Fed	below PLASTIC OTHER	TYPE OF PUMP USED (for test)
1	MAIN Nominal diameter Total depth	A air P piston T turbine
	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe below)
	60 61 63 64 66 70	J jet S submersible
	E OTHER CASING (if used) A diameter depth (feet)	27 27
	diameter depth (feet) H inch from to	PUMP INSTALLED
	S	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
	N	IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	(appropriate BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
	below PLASTIC OTHER	(to nearest gallon) 31 35
	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	1 2 5 5 7 7 7 2 1	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED Yes NO	E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box
CIRCLE APPROPRIATE LETTER	H 2 H 23 24 26 30 32 36	+ above LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest)
E ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION	R 38 39 41 45 47 51	49 50 51
P TEST WELL CONVERTED TO PRODUCTION WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	E SLOT SIZE 1 2 3 3	LATITUDE 34 SADDA
ACCORDANCE WITH COMAR 26.04 04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN INCH)	(DEFAULT COORD. WGS 84)
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	56 60 from to	Pursuant to \$10-624 of the State Govt. Article of
DRILLERS LIC. NO. 1 M D L 5 L	GRAVEL PACK	the Maryand Code personal info. requested on this form is used in processing this form pursuant
DRILLERS SIGNATURE	F WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 88 68	to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	have the right to inspect, amend, or correct this form. The Maryland Department of the
LIC. NO. 1 D +	T (E.R.O.S.) W Q	Environment is subject to the Maryland Public Information Act. This form may be made
-Marma	7072	available on the Internet via MDE's website and is subject to inspection or copying, in whole or in
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	part, by the pulic and other governmental agencies, if not protected by federal or state law.

OWNER

				The second secon	
C1 38705	SEQUENCE (MDE USE (STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
1 2 3	, ·		WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	COUNTY	
(THIS NUMBER IS TO BE P IN COLS. 3-6 ON ALL CARI			PLEASE TYPE	NUMBER	
ST/CO USE ONLY DATE Received	DATE WELL		ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"	
MM DD YY	67 A	DD Y	22 35 26	11 19 02 13	
8 13	15	7	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37	
WELL SITE ADDRESS	last name	100	firet name TOWNA	100 Oališ	
SUBDIVISION			SECTION	LOT	
WELL	LOG		GROUTING RECORD yes no	C[3]	
Not required to			WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST	
STATE THE KIND OF FORMA COLOR, DEPTH, THICKNESS	TIONS PENETRATED, S AND IF WATER BEA	THEIR RING	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)	
DESCRIPTION (Use additional sheets if needed)	FEET TO	check if water	CEMENT CIM BENTONITE CLAY B C	8 9	
additional shoots in needed y	THOM TO	bearing	NO. OF BAGS NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)	
			GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE	
Low, wist			from 48 TOP 52 ft. to 54 BOTTOM 58	2000	
towstanta	7 3	8.00	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)	
201	277	X	casing CASING RECORD	BEFORE PUMPING 17 20 It,	
7/51 10 1/1			types insert appropriate STT CONCRETE	WHEN PUMPING 22 25 ft.	
TO SAME OF A			appropriate code below PL OT	TYPE OF PUMP USED (for test)	
1			PLASTIC OTHER	A air P piston T turbine	
			MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other	
			TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)	
			60 61 63 64 66 70	J jet S submersible	
=			E OTHER CASING (if used)	27 27	
			A diameter depth (feet) C H inch from to	PUMP INSTALLED	
			C	DRILLER INSTALLED PUMP YES NO	
			,	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION	
			G	MUST BE COMPLETED FOR ALL WELLS.	
			screen type SCREEN RECORD or open hole COLT DOD DO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29	
1			insert STEEL BRASS OPEN	IN BOX 29. CAPACITY:	
			(appropriate code below BRONZE HOLE PL OT	GALLONS PER MINUTE	
			below PLASTIC OTHER	(10 Hourost gallon)	
			C 2 DEPTH (nearest ft.)	PUMP HORSE POWER PUMP COLUMN LENGTH	
NUMBER OF UNSUCCESS	FUL WELLS:)	1 2	(nearest ft.)	
WELL HYDROFRACTURED	yes	no	E 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)	
	,	(N)	C ₂	+ above LAND SURFACE	
CIRCLE APPROI	NED AND SEALED		H 23 24 26 30 32 36 S	(nearest)	
WHEN THIS WELL WAS			C 3 R 38 39 41 45 47 51	- below (notified foot)	
P TEST WELL CONVERTE		ł	E SLOT SIZE 1 2 3 3	LATITUDE 34.5 10040	
I HEREBY CERTIFY THAT THIS WI ACCORDANCE WITH COMAR 26.04				LONGITUDE 7 6.303435	
IN CONFORMANCE WITH ALL CO CAPTIONED PERMIT, AND THAT HEREIN IS ACCURATE AND CO	NDITIONS STATED IN T THE INFORMATION P	HE ABOVE RESENTED	OF SCREEN NCH)	(DEFAULT COORD. WGS 84)	
KNOWLEDGE	our cere to the bea	OI WII	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on	
DRILLERS LIC. NO. 1	MG D15	1	GRAVEL PACK	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.	
DOULEDS SIGNATURE	WP _		WAS FLOWING WELL INSERT F IN BOX 68 68	may result in this form not being processed. You	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE	ON APPLICATION)		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	have the right to inspect, amend, or correct this form. The Maryland Department of the	
LIC. NO. i	D		T (E.R.O.S.) W Q	Environment is subject to the Maryland Public Information Act. This form may be made	
-M The	M2		70 72	available on the Internet via MDE's website and is subject to inspection or copying, in whole or in	
SITE SUPERVISOR (sign. responsible for sitework if d			TELESCOPE LOG 74 75 76	part, by the pulic and other governmental agencies, if not protected by federal or state law.	
responsible for sitework if d	imerem from permit	100)	CASING INDICATOR OTHER DATA		
MDE/WMA/PER 071			OWNER		

Particular description of the second section of the second				
SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN		
	WELL COMPLETION REPORT	45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 (THIS NUMBER IS TO BE PUNCHED	FILL IN THIS FORM COMPLETELY	COUNTY NUMBER		
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE WELL COMPL	PLEASE TYPE ETED Depth of Well	PERMIT NO.		
DATE Received	~ ~ /	FROM "PERMIT TO DRILL WELL"		
MM DD YY B 13	22 26 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
1	10 10 lb Salas B	20 20 00 00 00 00 00 00 00		
OWNER	first name TOYA/N	· · · Ail×		
WELL SITE ADDRESS	SECTION	LOT		
WELL LOG	GROUTING RECORD Yes no			
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	<u>C 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3</u>		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR	(Circle Appropriate Box) 44 44 TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST		
COLOR, DEPTH, THICKNESS AND IF WATER BEARING	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) DESCRIPTION (Use additional sheets if needed) FEET check if water from TO bearing				
	NO. OF BAGS NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)		
	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE		
	2.7			
BOWI, MOIST	from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)		
to inct	casing CASING RECORD	BEFORE PUMPING tt.		
South and A	types CIT CIO			
Snay SILI, DODA	appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
LANK CALL	code below PL OT	TYPE OF PUMP USED (for test)		
1. HCCH	PLASTIC OTHER	A air P piston T turbine		
	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 other		
	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe		
	PL 4 3	21 21		
	60 61 63 64 66 70	J jet S submersible		
	E OTHER CASING (if used) A diameter depth (feet)			
	H inch from to	PUMP INSTALLED		
	Å ——— I	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)		
	\ \ \	IF DRILLER INSTALLS PUMP, THIS SECTION		
	G	MUST BE COMPLETED FOR ALL WELLS.		
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29		
	or open hole ST BR HO	IN BOX 29.		
	appropriate STEEL BRASS OPEN BRONZE HOLE	CAPACITY:		
	code below PL OT	GALLONS PER MINUTE (to nearest gallon) 31 35		
	PLASTIC OTHER	PUMP HORSE POWER		
	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH		
NUMBER OF UNSUCCESSFUL WELLS:	1-2	(nearest ft.)		
yes no	E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box		
WELL HYDROFRACTURED Y	A 8 9 11 15 17 21 C	+ above and enter casing height)		
CIRCLE APPROPRIATE LETTER	H 23 24 26 30 32 36	49 LAND SURFACE		
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest) foot)		
E ELECTRIC LOG OBTAINED	P 38 39 41 45 47 51	49 50 51		
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 2	LATITUDE 34 . 58 14 53		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	N DIAMETER (NEAREST	LONGITUDE 76.30.23.73		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN 56 60 INCH)	(DEFAULT COORD. WGS 84)		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to	Pursuant to \$10-624 of the State Govt. Article of		
DRILLERS LIC. NO.1 M D L S L	GRAVEL PACK	the Maryand Code personal info. requested on this form is used in processing this form pursuant		
Mathematical	IF WELL DRILLED WAS FLOWING WELL	to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You		
DRILLERS SIGNATURE	INSERT F IN BOX 68 68	have the right to inspect, amend, or correct this		
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	form. The Maryland Department of the Environment is subject to the Maryland Public		
LIC. NO.1 D I	T (E.R.O.S.) W Q	Information Act. This form may be made		
THISTUME	70 72	available on the Internet via MDE's website and is subject to inspection or copying, in whole or in		
SITE SUPERVISOR (sign. of driller or journeyman	74 75 76	part, by the pulic and other governmental agencies, if not protected by federal or state law.		
responsible for sitework if different from permittee)	CASING INDICATOR OTHER DATA	agenties, it not protected by rederal of state and		
MDE/WMA/PER.071	OWNER	- 1 -		

		-0115015	- NO				
C 1 SEQUENCE NO. (MDE USE ONLY)				STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS, 3-6 ON ALL CARDS)				WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY		
ST/CO USE ONLY		E WELL	COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL"		
DATE Received	. 0	7 /	DD Y	2226	AA 18 0265		
8 13	1	5	1 7	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNERWELL SITE ADDRESS	last name		1916	first name TOWN	20 015		
SUBDIVISION			1	SECTION	LOT		
WELL	LOG			GROUTING RECORD Yes no	C 3		
Not required to				WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST		
STATE THE KIND OF FORMA COLOR, DEPTH, THICKNES				TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed)	FROM	TO	check if water bearing	45 46	B 9		
				NO. OF BAGS NO. OF POUNDS GALLONS OF WATER	PUMPING RATE (gal. per min.)		
D L				DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE		
toroun, Moist				from ft. to ft. 48 TOP 52 54 BOTTOM 58	WATER LEVEL (distance from land surface)		
to with sordy		>	1	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING 17 20 ft.		
SILT, NO to	10	20	~	types insert ST CO	WHEN PUMPING ft.		
- ME C/51	3_			appropriate code pelow P L O T	TYPE OF PUMP USED (for test)		
20111	1 =			PLASTIC OTHER	A air P piston T turbine		
2				MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other		
				TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)		
1.4				60 61 63 64 66 70	J jet S submersible		
2 2				E OTHER CASING (if used) A diameter depth (feet)	27 27		
	1			inch from to	PUMP INSTALLED		
			A S	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.			
			N				
			screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29			
			or open hole ST BR HO OPEN	IN BOX 29.			
1				(appropriate code BRONZE HOLE	CAPACITY: GALLONS PER MINUTE		
	1			below PL OT PLASTIC OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER		
	16		<u> </u>	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH		
NUMBER OF UNSUCCESS	FUL WELL)	D/ 5' 30'	(nearest ft.) 43 47		
WELL HYDROFRACTURED	1	yes Y	no N	8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)		
CIRCLE APPRO				C 2 H 23 24 26 30 32 36	49 LAND SURFACE		
A WELL WAS ABANDON WHEN THIS WELL WAS	S COMPLE			S C 3	below (nearest) foot)		
P TEST WELL CONVERTE		DUCTION		R 38 39 41 45 47 51 E E SLOT SIZE 1 2 3	49 50 51		
THEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN				SLOT SIZE 1 2 3 3 1 N DIAMETER (NEAREST	LATITUDE 34 .5814.31 LONGITUDE 76 .352314		
ACCORDANCE WITH COMAR 26,04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED THE INFORMATION PRESENTED TO THE REST OF THE ACCURATE AND					(DEFAULT COORD. WGS 84)		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE			1	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on		
DRILLERS LIC. NO. 1 M D D L D L			11	GRAVEL PACK IF WELL DRILLED	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.		
DRILLERS SIGNATURE				WAS FLOWING WELL INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this		
(MUST MATCH SIGNATURE ON APPLICATION)				MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	form. The Maryland Department of the Environment is subject to the Maryland Public		
SITE SUPERVISOR (sign, of driller or journeyman				T (E.R.O.S.) W Q	Information Act. This form may be made available on the Internet via MDE's website and is		
				70 72 74 75 76	subject to inspection or copying, in whole or in part, by the pulic and other governmental		
responsible for sitework if d				TELESCOPE LOG CASING INDICATOR OTHER DATA	agencies, if not protected by federal or state law.		
Banker and the same of the sam		-		term was a surface of the surface of			

The second secon				
SEQUENCE NO.	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN		
C 1 (MDE USE ONLY)	WELL COMPLETION REPORT	45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED	FILL IN THIS FORM COMPLETELY	COUNTY		
IN COLS. 3-6 ON ALL CARDS)	PLEASE TYPE	NUMBER		
ST/CO USE ONLY DATE WELL COM	PLETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"		
DATE Received MM DD YY	YY 22 26	NA 18 6216		
8 13 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNER AND ACADS C	P. Wie Sahals			
WELL SITE ADDRESS last name	first name TOWN	Sin Polis		
SUBDIVISION	SECTION	LOT		
WELL LOG	GROUTING RECORD yes no	C 3		
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR	(Circle Appropriate Box) 44 44	PUMPING TEST		
COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) FROM TO		8 9		
additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)		
POGEN MOST	GALLONS OF WATER	METHOD USED TO		
Co 1/100 2	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE		
to with sind,	from ft. to ft.	WATER LEVEL (distance from land surface)		
XIII 10 20 X	(enter 0 if from surface)			
SICI, INSCRIPTION	casing CASING RECORD	BEFORE PUMPING 17 20 ft.		
to some clade	types insert ST CO	WHEN DUMPING 4		
	appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
	code below PL OT	TYPE OF PUMP USED (for test)		
1*	PLASTIC OTHER	A air P piston T turbine		
	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other		
	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe		
	PL 4" 5"	27 27 below)		
	60 61 63 64 66 70	J jet S submersible		
	E OTHER CASING (if used) A diameter depth (feet)	27 27		
	inch from to	DIMED INCTALLED		
	Ç	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO		
	Ŝ	(CIRCLE) (YES or NO)		
	Ġ	IF DRILLER INSTALLS PUMP, THIS SECTION		
		MUST BE COMPLETED FOR ALL WELLS.		
	screen type SCREEN RECORD or open hole	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29		
		IN BOX 29.		
	insert STEEL BRASS OPEN HOLE	CAPACITY: GALLONS PER MINUTE		
	code below PL OT	(to nearest gallon) 31 35		
	PLASTIC OTHER	PUMP HORSE POWER		
	DEPTH (poccest #)	37 41		
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)		
yes no	T.PL 5 30	CASING HEIGHT (circle appropriate box		
WELL HYDROFRACTURED Y	A 8 9 11 15 17 21	and enter casing height)		
	C 2	+ above LAND SURFACE		
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H 23 24 26 30 32 36 S	(nearest)		
WHEN THIS WELL WAS COMPLETED	C 3	below) (not)		
E ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION	E			
P WELL	E SLOT SIZE 1 2 3	LATITUDE 32 51149		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" A	DIAMETER (NEAREST	LONGITUDE 76. 30 2356		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABO CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENT	D 56 60	(DEFAULT COORD. WGS 84)		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF I	from to	Pursuant to \$10-624 of the State Govt. Article of		
DRILLERS LIC. NO.1 M D D	GRAVEL PACK	the Maryand Code personal info. requested on this form is used in processing this form pursuant		
DAILLERS LIC. NO.1	GHAVEL PACK IF WELL DRILLED WAS FLOWING WELL	to COMAR 26.04.04. Failure to provide the info.		
DRILLERS SIGNATURE	INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this		
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	form. The Maryland Department of the		
LIC. NO.1 D	T (E.R.O.S.) W Q	Environment is subject to the Maryland Public Information Act. This form may be made		
Mitting	· · · · ·	available on the Internet via MDE's website and is		
July March	70 72 74 75 76	subject to inspection or copying, in whole or in part, by the pulic and other governmental		
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG	agencies, if not protected by federal or state law.		
	CASING INDICATOR OTHER DATA			

property and the second			
C 1 SEQUENCE N	Y) 3	TATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS, 3-6 ON ALL CARDS)		ELL COMPLETION REPORT ILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER
ST/CO USE ONLY DATE WELL C	OMPLETED	Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
DATE Received MM DD YY	YY	22 3 26	
8 13 15	20	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER	151 C 1	first name	, , , , , , , , , , , , , , , , , , , ,
WELL SITE ADDRESS	Was 5	SECTION TOWN	LOT
WELL LOG		GROUTING RECORD yes no	
Not required for driven wells	WELL HAS	BEEN GROUTED Y	C 3
STATE THE KIND OF FORMATIONS PENETRATED, TH COLOR, DEPTH, THICKNESS AND IF WATER BEARIN	TYPE OF (GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)
DESCRIPTION (USE	neck CEMENT water aring		8 9
1 1 1		45 46 NO. OF POUNDS 45 46 OF WATER	PUMPING RATE (gal. per min.)
Light board	DEPTH OF	GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
to bown,	from	TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
Most to with a 2!	casin	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING 17 20 ft.
Saly at = 3	X type inser	SIT CO	WHEN PUMPING ft.
1 +418 2160	appropri		TYPE OF PUMP USED (for test)
Transce Col	below	PLASTIC OTHER	A air P piston T turbine
	MÁIN CASIN	IG top (main) casing of main casing	27 27 27 other
	TYPI	- (noarest mon): (nearest root)	centrifugal R rotary O (describe below)
	60 6	NAME OF TAXABLE PARTY.	J jet S submersible
	A C	OTHER CASING (if used) diameter depth (feet)	27 27
	H C	inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
	A S		DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
	G	_ [IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
	screen to or open	holo	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
	/ inser	STEEL BRASS OPEN	IN BOX 29.
	appropr	BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
	belov	PL OT PLASTIC OTHER	(to nearest gallon) 31 35
8	C 2	DEPTH (nearest ft.)	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	_ T2 V	21 -	PUMP COLUMN LENGTH (nearest ft.)
	E 1 B 1	11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C 2	4 26 30 32 36	49 LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3		below (nearest) foot)
E ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION		9 41 45 47 51	49 50 51
P TEST WELL CONVENTED TO PRODUCTION WELL THEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCT	E SLOT S	11	LATITUDE 3
ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ACAPTIONED PERMIT, AND THAT THE INFORMATION PRESI	BOVE DIAMET	EEN INCH)	LONGITUDE 7
HEREIN IS ACCURATE AND COMPLETE TO THE BEST C KNOWLEDGE.	FMY	from to	Pursuant to \$10-624 of the State Govt. Article of
DRILLERS LIC. NO.1 M D D	GRAVEL PACK	3' 3'	the Maryand Code personal info. requested on this form is used in processing this form pursuant
MITTER	IF WELL DRILL WAS FLOWING INSERT F IN B	ED	to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE	ONLY	have the right to inspect, amend, or correct this form. The Maryland Department of the
LIC. NO.1 D	(NOT TO E	BE FILLED IN BY DRILLER) (E.R.O.S.) W Q	Environment is subject to the Maryland Public Information Act. This form may be made
Mather	70	72	available on the Internet via MDE's website and is subject to inspection or copying, in whole or in
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE	LOG 74 75 76	part, by the pulic and other governmental agencies, if not protected by federal or state law.
responsible for sitework if unierent from permittee)	CASING	INDICATOR OTHER DATA	
MDE/WMA/PER.071		OWNER	

C 1 38710 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS, 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER	
ST/CO USE ONLY DATE Received MM DD YY DATE WELL COMPL MM DD YY	ETED Depth of Well Y 22 26	PERMIT NO. FROM "PERMIT TO DRILL WELL"	
6 13	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37	
OWNER	P I Irat name TOWN	LA ALS	
SUBDIVISION	SECTION	LOT	
WELL LOG Not required for driven wells	GROUTING RECORD YES NO WELL HAS BEEN GROUTED Y	<u>C 3</u>	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	(Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST	
DESCRIPTION (Use FEET check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)	
additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS GALLONS OF WATER	PUMPING RATE (gal. per min.)	
Pour not	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE	
to ust < . l.	from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)	
SUT LIVE A STATE	casing CASING RECORD	BEFORE PUMPING 17 20 ft.	
DICI, 1:4K 0 30 X	types insert appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.	
10 2 012	code below PLASTIC OTHER	TYPE OF PUMP USED (for test)	
	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine	
	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe below)	
	60 61 63 64 66 70	J jet S submersible	
	E OTHER CASING (if used) A diameter depth (feet)	27 27	
	H inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO	
	S - N	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION	
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED	
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.	
	insert appropriate appropriate code BRONZE HOLE	CAPACITY: GALLONS PER MINUTE	
	below PLASTIC OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER	
	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH	
NUMBER OF UNSUCCESSFUL WELLS:	1D/ 5 30	(nearest ft.) 43 47	
WELL HYDROFRACTURED Yes Y	A 8 9 11 15 17 21 C	+ above (circle appropriate box and enter casing height)	
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H ² 23 24 26 30 32 36 S	49 LAND SURFACE (nearest)	
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	below) (noatost)	
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3	LATITUDE 34 .522133	
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	DIAMETER (NEAREST OF SCREEN INCH)	LONGITUDE 7 6. 2 2 2 2 2 2 (DEFAULT COORD. WGS 84)	
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	56 60 from to	Pursuant to \$10-624 of the State Govt. Article of	
DRILLERS LIC. NO.1 MS D LS L	GRAVEL PACK	the Maryand Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.	
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this	
(MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	form. The Maryland Department of the Environment is subject to the Maryland Public	
Mattrix?	,	Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76	part, by the pulic and other governmental agencies, if not protected by federal or state law.	
MDE/WMA/PER.071	CASING INDICATOR OTHER DATA OWNER		

L GEOUENGE NO							
C1 38711	SEQUENCE NO. (MDE USE ONLY)			STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 2	(MIDE ODE ONE)			WELL COMPLETION REPORT			
(THIS NUMBER IS TO BE				FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER		
IN COLS, 3-6 ON ALL CA		F WELL	COMPL		PERMIT NO.		
DATE Received	DAI	MM	DD Y	Y 22 26	FROM "PERMIT TO DRILL WELL"		
8 13	G	5	14 F	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNER AAN	s A	2/6/	CA	Phis Schals			
WELL SITE ADDRESS	man teal	70	C	first name TOWN	Inocolis		
SUBDIVISION				SECTION	LOT		
WEL	L LOG			GROUTING RECORD yes no	C 3		
Not required	for driven w	/ells		WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST		
STATE THE KIND OF FORM COLOR, DEPTH, THICKNE	ATIONS PEN SS AND IF W	ETRATED,	THEIR	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed)		ET	check if water	CEMENT CM BENTONITE CLAY B C	8 9		
additional sneets if needed)	FROM	то	bearing	NO. OF BAGS 46 NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)		
				GALLONS OF WATER	METHOD USED TO		
Paris +				DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE		
Craw, Mars	01			from ft. to ft. to ft.	WATER LEVEL (distance from land surface)		
to wit suit	1		x /	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING ft.		
SITTLY	10	1	X	types CITI CIOI	17 20		
Similario				appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
Cly				code pelow PL OT	TYPE OF PUMP USED (for test)		
1				PLASTIC OTHER	A air P piston T turbine		
				MAIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other		
				TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary (describe below)		
				60 61 63 64 66 70	21 21 21		
1				E OTHER CASING (if used)	J jet S submersible		
				A diameter depth (feet) C inch from to			
	9			C	PUMP INSTALLED		
				S	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)		
	14			N G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED		
				screen type SCREEN RECORD			
				or open hole STBRHO	PLACE (A,C,J,P,R,S,T,O) 29		
E C				insert STEEL BRASS OPEN	IN BOX 29. CAPACITY:		
	Hild			(appropriate) BRONZE HOLE	GALLONS PER MINUTE		
				below PLASTIC OTHER	(to nour out gamen)		
	SHE			10000000	PUMP HORSE POWER 37 41		
NUMBER OF UNSUCCES	SFUL WELL	s: //s		DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)		
		yes	no	IDL 5 36	CASING HEIGHT (circle appropriate box		
WELL HYDROFRACTURE	D	Y		A 8 9 11 15 17 21 C	and enter casing height)		
CIRCLE APPR	OPRIATE LI	ETTER		H 23 24 26 30 32 36	49 LAND SURFACE		
A WELL WAS ABAND WHEN THIS WELL W				S C 3	below (nearest) foot)		
E ELECTRIC LOG OBTA		DUOTIO	,	R 38 39 41 45 47 51	49 50 51		
P TEST WELL CONVER	TED TO PRO	DUCTION	1	E SLOT SIZE 1 2 3	LATITUDE 34 .542031		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND			TION" AND	DIAMETER (NEAREST	LONGITUDE 7 . 3 2 8 1		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY				OF SCREEN INCH)	(DEFAULT COORD. WGS 84)		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.			. 51 (11)	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on		
DRILLERS LIC. NO. 1 M D L L			1 1	GRAVEL PACK	this form is used in processing this form pursuant		
-M Thinks				IF WELL DRILLED WAS FLOWING WELL	to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You		
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)				INSERT F IN BOX 68 68 MDE USE ONLY	have the right to inspect, amend, or correct this form. The Maryland Department of the		
				(NOT TO BE FILLED IN BY DRILLER)	Environment is subject to the Maryland Public		
LIC. NO.1 D 1				T (E.R.O.S.) W Q	Information Act. This form may be made available on the Internet via MDE's website and is		
MITM	(70 72	subject to inspection or copying, in whole or in part, by the pulic and other governmental		
SITE SUPERVISOR (sign responsible for sitework if				TELESCOPE LOG 74 75 76 TELESCOPE LOG OTHER DATA	agencies, if not protected by federal or state law.		
L. C.				CASING INDICATOR OTHER DATA			

	A			
SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6	WELL COMPLETION REPORT	COUNTY		
(THIS NUMBER IS TO BE PUNCHED IN COLS, 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	NUMBER		
ST/CO USE ONLY DATE WELL COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL"		
DATE Received MM DD YY	22 3 26	AA 18 0270		
8 13 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNER	S Public Trainame			
WELL SITE ADDRESS	TOWN A	LOT		
SUBDIVISION	SECTION			
Not required for driven wells	WELL HAS BEEN GROUTED Y N	<u>C 3 </u>		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST		
DESCRIPTION (Use FEET if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)		
additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)		
	GALLONS OF WATER	METHOD USED TO		
Pour most	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE		
toustisado	from ft. to ft ft ft ft (enter 0 if from surface)	WATER LEVEL (distance from land surface)		
XI-1111 0 30 V	casing CASING RECORD	BEFORE PUMPING ft.		
JUI, little . X	types ST CO	, , , , , , , , , , , , , , , , , , ,		
Cly	appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
	below PLSTIC OTHER	TYPE OF PUMP USED (for test)		
	MAIN Nominal diameter Total depth	A air P piston T turbine		
-	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe		
	PL 4.0 5'	27 27 below)		
	60 61 63 64 66 70	J jet S submersible		
	A diameter depth (feet)			
	inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO		
	Å S	(CIRCLE) (YES or NO)		
	g	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED		
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.		
	insert STEEL BRASS OPEN Appropriate BRONZE HOLE	CAPACITY:		
3	code below PL OT	(to nearest gallon) 31 35		
2	PLASTIC OTHER	PUMP HORSE POWER 37 41		
NUMBER OF UNIQUESESSUE WELLS.	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH		
NUMBER OF UNSUCCESSFUL WELLS:	1.DL 5' 30'	(nearest ft.) CASING HEIGHT (circle appropriate box		
WELL HYDROFRACTURED Y	A 8 9 11 15 17 21	+ above and enter casing height)		
CIRCLE APPROPRIATE LETTER	C 2 4 26 30 32 36	49 LAND SURFACE		
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	s C 3	below (nearest)		
E ELECTRIC LOG OBTAINED	R 38 39 41 45 47 51	49 50 51		
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3	LATITUDE 36 54 20162		
HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	DIAMETER (NEAREST OF SCREEN INCH)	LONGITUDE 76.30.24.12		
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	56 60	(DEFAULT COORD. WGS 84)		
KNOWLEDGE	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on		
DRILLERS LIC. NO. 1 M _ D 1	GRAVEL PACK	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.		
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this		
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	form. The Maryland Department of the Environment is subject to the Maryland Public		
LIC. NO.1 D	T (E.R.O.S.) W Q	Information Act. This form may be made available on the Internet via MDE's website and is		
Shull M	70 72	subject to inspection or copying, in whole or in		
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG OTHER DATA	part, by the pulic and other governmental agencies, if not protected by federal or state law.		
responsible for shework it different from permittee)	CASING INDICATOR OTHER DATA			

Production of the second secon				
C 1 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	COUNTY		
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE WELL COMPL	PLEASE TYPE ETED Depth of Well	PERMIT NO.		
DATE Received MM DD Y		FROM "PERMIT TO DRILL WELL"		
8 13 95	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNER AMS ACMIS	a. Public & MOB			
WELL SITE ADDRESS last name	first name TOWN	MARAIS		
SUBDIVISION	SECTION	LOT		
WELL LOG	GROUTING RECORD yes no	C 3		
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	PUMPING TEST		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	45 46	DUMPING DATE (set per min)		
	NO. OF BAGS NO. OF POUNDS GALLONS OF WATER	PUMPING RATE (gal. per min.)		
Brown Mist	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE		
to the contract of and X	from ft. to ft.	WATER LEVEL (distance from land surface)		
1350	(enter 0 if from surface)	, and the second		
2151	casing CASING RECORD	BEFORE PUMPING 17 20 ft.		
1-00	types insert STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
GREAT, MOIST 21 3	code DII OIT	TYPE OF PUMP USED (for test)		
CLAY 30 20	below PLASTIC OTHER	A air P piston T turbine		
	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	27 other		
	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe		
	60 61 63 64 66 70	21 21		
	E OTHER CASING (if used)	J jet S submersible		
	A diameter depth (feet) C inch from to			
	C	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO		
	Ŝ	(CIRCLE) (YES or NO)		
	G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A C.J.P.B.S.T.O) 29		
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.		
	/ appropriate \ BRONZE HOLE	CAPACITY: GALLONS PER MINUTE		
	code below PL OT	(to nearest gallon) 31 35		
	PLASTIC OTHER	PUMP HORSE POWER 37 41		
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)		
yes no	PL 30' 5	CASING HEIGHT (circle appropriate box		
WELL HYDROFRACTURED	A 8 9 11 15 17 21	+ above		
CIRCLE APPROPRIATE LETTER	C 2 3 24 26 30 32 36	49 LAND SURFACE		
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest)		
E ELECTRIC LOG OBTAINED	R 38 39 41 45 47 51	49 50 51		
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3	LATITUDE 32.52.2046		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	DIAMETER (NEAREST	LONGITUDE 76 30 237		
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	OF SCREEN INCH	(DEFAULT COORD. WGS 84)		
KNOWLEDGE.	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on		
DRILLERS LIC. NO. 1 M _ D 1	GRAVEL PACK	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.		
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this		
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	form. The Maryland Department of the		
LIC. NO.1 D 1	T (E.R.O.S.) W Q	Environment is subject to the Maryland Public Information Act. This form may be made		
-M Shund	70 72	available on the Internet via MDE's website and is subject to inspection or copying, in whole or in		
SITE SUPERVISOR (sign. of driller or journeyman	TELESCOPE LOG 74 75 76	part, by the pulic and other governmental agencies, if not protected by federal or state law.		
responsible for sitework if different from permittee)	CASING INDICATOR OTHER DATA			

C 1 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	COUNTY		
IN COLS. 3-6 ON ALL CARDS)	PLEASE TYPE	NUMBER PERMIT NO.		
ST/CO USE ONLY DATE Received DATE WELL COMPL	·	FROM "PERMIT TO DRILL WELL"		
MM DD YY 15	22 26 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNER AND AS AS AS	Ist Co Pable Schools			
WELL SITE ADDRESS	first name TOWN	200010		
SUBDIVISION	SECTION	LOT		
WELL LOG	GROUTING RECORD YES NO N	C 3		
Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR	(Circle Appropriate Box)	PUMPING TEST		
COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY B C	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) DESCRIPTION (Use FEET if water bearing bearing)	45 46 45 46	DUMPING PATE (and pay min)		
	NO. OF BAGS NO. OF POUNDS GALLONS OF WATER	PUMPING RATE (gal. per min.)		
Bour next	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE		
to int sorty 0 211X	from ft. to ft.	WATER LEVEL (distance from land surface)		
ZIT ((enter 0 if from surface)	BEFORE PUMPING ft.		
216-1	casing types CASING RECORD	17 20 K.		
Blue acsen	insert appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
13/1/21/31	code below PL OT	TYPE OF PUMP USED (for test)		
MOIST CLAY QUI 30	PLASTIC OTHER MAIN Nominal diameter Total depth	A air P piston T turbine		
	CASING top (main) casing of main casing	27 27 other		
	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary (describe below)		
	60 61 63 64 66 70	J jet S submersible		
	E OTHER CASING (if used) A diameter depth (feet)	27 27		
	C diameter depth (1987)	PUMP INSTALLED		
	C [DRILLER INSTALLED PUMP YES NO		
	Ĭ	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION		
		MUST BE COMPLETED FOR ALL WELLS.		
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29		
	insert STEEL BRASS OPEN	IN BOX 29. CAPACITY:		
	(appropriate code below PL OT	GALLONS PER MINUTE (to nearest gallon) 31 35		
=	below PLASTIC OTHER	PUMP HORSE POWER		
	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH		
NUMBER OF UNSUCCESSFUL WELLS:	12 2 2	(nearest ft.)		
WELL HYDROFRACTURED Yes NO	E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box		
T	Ĉ,	and enter casing height) LAND SURFACE		
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H 23 24 26 30 32 36 S	(nearest)		
WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	below) (10d lost) (10		
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3	LATITUDE 34.582061"		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	DIAMETER (NEAREST	LONGITUDE 76.30333		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN (NCH)	(DEFAULT COORD. WGS 84)		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to	Pursuant to \$10-624 of the State Govt. Article of		
DRILLERS LIC. NO. 1 M G D L S L	GRAVEL PACK	the Maryand Code personal info. requested on this form is used in processing this form pursuant		
MITME	F WELL DRILLED WAS FLOWING WELL NSERT F IN BOX 68 68	to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You		
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY	have the right to inspect, amend, or correct this form. The Maryland Department of the		
LIC. NO.1 D 1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	Environment is subject to the Maryland Public Information Act. This form may be made		
-NUMEM-		available on the Internet via MDE's website and is subject to inspection or copying, in whole or in		
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	part, by the pulic and other governmental		
responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	agencies, if not protected by federal or state law.		
MDE/WMA/PER.071	OWNER			

N. C.				CHARLES TO A	A			
SEQUENCE NO.					STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN		
(MDE USE ONLY)			JE USE (JINLT)	WELL COMPLETION REPORT	45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)					FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY		
-	ST/CO USE ONLY		E WELL	COMPLI		PERMIT NO. FROM "PERMIT TO DRILL WELL"		
١	DATE Received	1	MM I	DD Y	22 3 26	AA-18-0273		
1	8 13	1			(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
I	OWNERA	last name	ACN	151	Co. Public Schools	***		
١	WELL SITE ADDRESS	tadi Hairio	70	10	TOWN A	AAAAAA		
1	SUBDIVISIONWELL I	OG			SECTION	LOT		
١	Not required for	_	ells	1. 2.	WELL HAS BEEN GROUTED (Circle Appropriate Box)	<u>C 3 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</u>		
Ì	STATE THE KIND OF FORMATI COLOR, DEPTH, THICKNESS	ONS PEN	ETRATED,	THEIR	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST		
ŀ	DESCRIPTION (Use		ET	check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)		
ŀ	additional sheets if needed)	FROM	то	bearing	NO. OF BAGS NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)		
١					GALLONS OF WATER	METHOD USED TO		
ı					DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE		
	From Moist				from ft. to ft. 48 TOP 52 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)		
		20		1	casing CASING RECORD	BEFORE PUMPING 17 20 ft.		
	TO WIT MAY	0	50	X	types ST CO	WHEN PUMPING ft.		
١	SITT, MAK	3.			appropriate STEEL CONCRETE	22 25		
L.	21/21				below PLASTIC OTHER	TYPE OF PUMP USED (for test)		
١	-19		1	1	MAIN Nominal diameter Total depth	A air P piston T turbine		
1					CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe		
١					DL 4" 5	27 below)		
1					60 61 63 64 66 70 E OTHER CASING (if used)	J jet S submersible		
1	77				A diameter depth (feet) inch from to			
١					C	PUMP INSTALLED DRILLER INSTALLED PUMP VES NO		
١			19		S I	(CIRCLE) (YES or NO)		
				G ————————————————————————————————————	N G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
	. ^			screen type SCREEN RECORD	TYPE OF PUMP INSTALLED			
		or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) IN BOX 29.					
					insert STEEL BRASS OPEN BRONZE HOLE	CAPACITY: GALLONS PER MINUTE		
	4				code below PL OT	(to nearest gallon) 31 35		
1			y 16000		PLASTIC OTHER	PUMP HORSE POWER 37 41		
	WILLIAM OF THE STATE OF THE STA	10 14/51	0.)	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH		
	NUMBER OF UNSUCCESSF	UL WELI		no	DL 5 30	(nearest ft.)		
	WELL HYDROFRACTURED		Yes	N	A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)		
	CIRCLE APPROP	RIATE LI			C 2 H 23 24 26 30 32 36	49 LAND SURFACE		
	A WELL WAS ABANDON WHEN THIS WELL WAS	ED AND	SEALED		S C 3	below (nearest) foot)		
	E ELECTRIC LOG OBTAINS	ED			H 38 39 41 45 47 51	49 50 51		
	P TEST WELL CONVERTED TO PRODUCTION WELL				E SLOT SIZE 1 2 3	LATITUDE 34.5819.80		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE			CONSTRUCT	TION" AND	DIAMETER (NEAREST	LONGITUDE 76.333347		
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY			MATION PI	RESENTED		(DEFAULT COORD. WGS 84)		
KNOWLEDGE,				1	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on		
DRILLERS CIC. NO. 1 M D D L 1			LO	4	GRAVEL PACK	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.		
DRILLERS SIGNATURE			I		WAS FLOWING WELL INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this		
(MUST MATCH SIGNATURE ON APPLICATION)					MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	form. The Maryland Department of the Environment is subject to the Maryland Public		
LIC. NO.1 D 1				ı	T (E.R.O.S.) W Q	Information Act. This form may be made available on the Internet via MDE's website and is		
	MILLEN				70 72	subject to inspection or copying, in whole or in		
	SITE SUPERVISOR (sign, o responsible for sitework if dit	of driller of	or journey	man lee)	TELESCOPE LOG OTHER DATA	part, by the pulic and other governmental agencies, if not protected by federal or state law.		
	responsible for sitework if dif		pormit	.50,	CASING INDICATOR OTHER DATA			

APPENDIX B

Chain of Custody Forms and Laboratory Data Sheets





1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com VELAP ID 460040

14 August 2019

Scott Alexander
Petroleum Management, Inc.
2138 Priest Bridge Ct., STE 10
Crofton, MD 21114-2450

RE: Bates Middle School

Enclosed are the results of analyses for samples received by the laboratory on 08/08/19 09:38.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Will Brewington

Willeburge

President



Analytical Results

nelso IN ACCORDANCE

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project:	Bates Middle School
Project Number:	701 Chase St. Annapolis, MD
Project Manager:	Scott Alexander

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MDE-1		9080802-01	Nonpotable Water	08/07/19 11:08	08/08/19 09:38
MDE-2		9080802-02	Nonpotable Water	08/07/19 10:07	08/08/19 09:38
MDE-3		9080802-03	Nonpotable Water	08/07/19 08:45	08/08/19 09:38
MW-4		9080802-04	Nonpotable Water	08/07/19 13:10	08/08/19 09:38
MW-5		9080802-05	Nonpotable Water	08/07/19 12:21	08/08/19 09:38
MW-6		9080802-06	Nonpotable Water	08/07/19 12:52	08/08/19 09:38
MW-7		9080802-07	Nonpotable Water	08/07/19 09:32	08/08/19 09:38
MW-8		9080802-08	Nonpotable Water	08/07/19 11:53	08/08/19 09:38
MW-10		9080802-09	Nonpotable Water	08/07/19 10:37	08/08/19 09:38

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results



1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

MDE-1 9080802-01 (Nonpotable Water) Sample Date: 08/07/19

Sample Date: 08/07/19								
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOL	9 8260B (GC/MS)						
Acetone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 13:42	GM
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	20.0	1	08/12/19	08/12/19 13:42	GM
tert-Amyl methyl ether (TAME)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Benzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Bromobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Bromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Bromodichloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Bromoform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Bromomethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 13:42	GM
tert-Butanol (TBA)	ND	ug/L	15.0	15.0	1	08/12/19	08/12/19 13:42	GM
2-Butanone (MEK)	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 13:42	GM
n-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
sec-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
tert-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Carbon disulfide	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Carbon tetrachloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Chlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Chloroethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 13:42	GM
Chloroform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Chloromethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 13:42	GM
2-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
4-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Dibromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Dibromomethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,2-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,3-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,4-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Dichlorodifluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,1-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,2-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,1-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Whiterester



Project Manager: Scott Alexander

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Analytical Results

enelao:

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

MDE-1 9080802-01 (Nonpotable Water)

	Sample Date: 08/07/19								
Analyte	Result	Notes Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst	
VOLATILE ORGANICS BY EPA	METHOD	8260B (GC/MS)	(continued)						
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 13:42	GM	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
4-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
4-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 13:42	GM	
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 13:42	GM	
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,1,2-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Trichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
Trichlorofluoromethane (Freon 11)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 13:42	GM	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Whiterester



Analytical Results

nelso IN ACCORDANCE

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MDE-1 9080802-01 (Nonpotable Water) Sample Date: 08/07/19

			Reporting	Quantitation				
Analyte	Result	Notes Unit	ts Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analys
VOLATILE ORGANICS BY EF	A METHOL	8260B (GC/M	S) (continued)					
1,2,4-Trimethylbenzene	ND	ug/l	L 2.0	1.0	1	08/12/19	08/12/19 13:42	GM
1,3,5-Trimethylbenzene	ND	ug/l	L 2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Vinyl chloride	ND	ug/l	L 2.0	1.0	1	08/12/19	08/12/19 13:42	GM
o-Xylene	ND	ug/l	L 2.0	1.0	1	08/12/19	08/12/19 13:42	GM
m- & p-Xylenes	ND	ug/l	L 2.0	1.0	1	08/12/19	08/12/19 13:42	GM
Surrogate: 1,2-Dichloroethane-d4		75-120	105 %	08/12/19)	08/12/19 13:42		
Surrogate: Toluene-d8		75-120	102 %	08/12/19)	08/12/19 13:42		
Surrogate: 4-Bromofluorobenzene		78-110	99 %	08/12/19)	08/12/19 13:42		
GASOLINE RANGE ORGANI	CS BY EPA 8	8015C						
Gasoline-Range Organics	ND	ug/l	L 100	100	1	08/09/19	08/09/19 21:04	GM
DIESEL RANGE ORGANICS I	BY EPA 3510	/8015C						
Diesel-Range Organics	ND	mg/	L 0.26	0.26	1	08/09/19	08/12/19 19:05	SJA
Surrogate: o-Terphenyl		60-120	93 %	08/09/19)	08/12/19 19:05		

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Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MDE-2 9080802-02 (Nonpotable Water) Sample Date: 08/07/19

				sampie Date: 08/	07/17				
				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
<u>VOLATILE ORGANICS BY EP</u>	A METHOD	8260B (C	GC/MS)						
Acetone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:08	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	08/12/19	08/12/19 14:08	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Benzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Bromobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Bromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Bromodichloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Bromoform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Bromomethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:08	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	08/12/19	08/12/19 14:08	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:08	GM
n-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
ert-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Carbon disulfide	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Chlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Chloroethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:08	GM
Chloroform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Chloromethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:08	GM
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Dibromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Dibromomethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM

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Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

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Reported: 08/14/19 17:38

MDE-2

9080802-02 (Nonpotable Water) Sample Date: 08/07/19

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA M	METHOD	8260B (GC/MS) (continued)					
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 14:08	GM
Isopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
4-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
4-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 14:08	GM
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 14:08	GM
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,1,2-Trichloroethane	1,12							
Trichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Trichioroethene		ug/L ug/L	2.0 2.0	1.0 1.0	1 1	08/12/19 08/12/19	08/12/19 14:08 08/12/19 14:08	GM GM
Trichlorofluoromethane (Freon 11)	ND	_						

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Reported: 08/14/19 17:38

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MDE-2 9080802-02 (Nonpotable Water)

Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOL	8260B (G	C/MS)	(continued)					
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Vinyl chloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
o-Xylene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:08	GM
Surrogate: 1,2-Dichloroethane-d4		75-	120	105 %	08/12/19		08/12/19 14:08		
Surrogate: Toluene-d8		75-	120	101 %	08/12/19		08/12/19 14:08		
Surrogate: 4-Bromofluorobenzene		78-	110	98 %	08/12/19		08/12/19 14:08		
GASOLINE RANGE ORGANICS	S BY EPA 8	8015C							
Gasoline-Range Organics	ND		ug/L	100	100	1	08/09/19	08/09/19 21:41	GM
DIESEL RANGE ORGANICS BY	EPA 3510	/8015C							
Diesel-Range Organics	ND		mg/L	0.24	0.24	1	08/09/19	08/12/19 19:32	SJA
Surrogate: o-Terphenyl		60-	120	91 %	08/09/19		08/12/19 19:32		

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Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

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Reported: 08/14/19 17:38

MDE-3

9080802-03 (Nonpotable Water) Sample Date: 08/07/19

				sampie Date: 08/	07/17				
				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOD	8260B (C	GC/MS)						
Acetone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:33	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	08/12/19	08/12/19 14:33	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Benzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Bromobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Bromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Bromodichloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Bromoform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Bromomethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:33	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	08/12/19	08/12/19 14:33	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:33	GM
n-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Carbon disulfide	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Chlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Chloroethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:33	GM
Chloroform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Chloromethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:33	GM
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Dibromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Dibromomethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM

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Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MDE-3 9080802-03 (Nonpotable Water) Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	8260B (G	C/MS) (continued)					
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Ethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:33	GM
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:33	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:33	GM
Naphthalene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
n-Propylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Styrene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Tetrachloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Toluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Trichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM

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Reported: 08/14/19 17:38

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MDE-3

9080802-03 (Nonpotable Water) Sample Date: 08/07/19

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOD	8260B (GC/MS) (continued)					
1,2,4-Trimethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
1,3,5-Trimethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Vinyl chloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
o-Xylene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
m- & p-Xylenes	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:33	GM
Surrogate: 1,2-Dichloroethane-d4		75-120	104 %	08/12/19		08/12/19 14:33		
Surrogate: Toluene-d8		75-120	101 %	08/12/19		08/12/19 14:33		
Surrogate: 4-Bromofluorobenzene		78-110	99 %	08/12/19		08/12/19 14:33		
GASOLINE RANGE ORGANIO	CS BY EPA 8	8015C						
Gasoline-Range Organics	ND	ug/L	100	100	1	08/09/19	08/09/19 22:18	GM
DIESEL RANGE ORGANICS E	BY EPA 3510	/8015C						
Diesel-Range Organics	ND	mg/L	0.22	0.22	1	08/09/19	08/12/19 20:00	SJA
Surrogate: o-Terphenyl		60-120	93 %	08/09/19	1	08/12/19 20:00		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Project Manager: Scott Alexander

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Analytical Results

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

MW-4 9080802-04 (Nonpotable Water) Sample Date: 08/07/19

			2	Sample Date: 08	/07/19				
				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOL	8260B (G	C/MS)						
Acetone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:59	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	08/12/19	08/12/19 14:59	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Benzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Bromobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Bromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Bromodichloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Bromoform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Bromomethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:59	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	08/12/19	08/12/19 14:59	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 14:59	GM
n-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Carbon disulfide	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Chlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Chloroethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:59	GM
Chloroform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Chloromethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 14:59	GM
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Dibromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Dibromomethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-4 9080802-04 (Nonpotable Water) Sample Date: 08/07/19

Sample Date: 08/07/19											
			Reporting	Quantitation							
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst			
VOLATILE ORGANICS BY EPA	METHOD	8260B (GC/MS) (continued)								
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 14:59	GM			
sopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
4-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 14:59	GM			
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 14:59	GM			
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,1,2-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Frichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
Trichlorofluoromethane (Freon 11)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM			

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Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-4

9080802-04 (Nonpotable Water) Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
					Lillit (LOQ)	Dilution	Trepared	Anaryzeu	Anaryst
VOLATILE ORGANICS BY EI	<u>PA METHOD</u>	8260B	(GC/MS) (continued)					
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Vinyl chloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
o-Xylene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 14:59	GM
Surrogate: 1,2-Dichloroethane-d4			75-120	107 %	08/12/19		08/12/19 14:59		
Surrogate: Toluene-d8			75-120	100 %	08/12/19		08/12/19 14:59		
Surrogate: 4-Bromofluorobenzene			78-110	96 %	08/12/19		08/12/19 14:59		
GASOLINE RANGE ORGANI	CS BY EPA 8	015C							
Gasoline-Range Organics	ND		ug/L	100	100	1	08/09/19	08/09/19 22:55	GM
DIESEL RANGE ORGANICS I	BY EPA 3510	/8015C							
Diesel-Range Organics	ND		mg/L	0.24	0.24	1	08/09/19	08/12/19 20:27	SJA
Surrogate: o-Terphenyl			60-120	87 %	08/09/19	1	08/12/19 20:27		

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Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-5 9080802-05 (Nonpotable Water) Sample Date: 08/07/19

			Sample Date. 00	101112				
			Reporting	Quantitation				
Analyte	Result Note		Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA		B (GC/MS)						
Acetone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:25	GM
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	20.0	1	08/12/19	08/12/19 15:25	GM
tert-Amyl methyl ether (TAME)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Benzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Bromobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Bromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Bromodichloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Bromoform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Bromomethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 15:25	GM
tert-Butanol (TBA)	ND	ug/L	15.0	15.0	1	08/12/19	08/12/19 15:25	GM
2-Butanone (MEK)	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:25	GM
n-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
sec-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
tert-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Carbon disulfide	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Carbon tetrachloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Chlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Chloroethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 15:25	GM
Chloroform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Chloromethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 15:25	GM
2-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
4-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Dibromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Dibromomethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,3-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,4-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Dichlorodifluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,1-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,1-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM

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Project Manager: Scott Alexander

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Analytical Results

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Reported: 08/14/19 17:38

MW-5 9080802-05 (Nonpotable Water)

		:	Sample Date: 08	/07/19				
Analyte	Result	Notes Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	8260B (GC/MS) (continued)					
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:25	GM
Isopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
4-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
4-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:25	GM
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:25	GM
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,1,2-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Trichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Trichlorofluoromethane (Freon 11)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM

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Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-5

9080802-05 (Nonpotable Water) Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EF	PA METHOL	8260B (C	GC/MS) (continued)					
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Vinyl chloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
o-Xylene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:25	GM
Surrogate: 1,2-Dichloroethane-d4		75	5-120	107 %	08/12/19		08/12/19 15:25		
Surrogate: Toluene-d8		75	5-120	100 %	08/12/19		08/12/19 15:25		
Surrogate: 4-Bromofluorobenzene		78	8-110	97 %	08/12/19		08/12/19 15:25		
GASOLINE RANGE ORGANIC	CS BY EPA 8	8015C							
Gasoline-Range Organics	ND		ug/L	100	100	1	08/09/19	08/09/19 23:32	GM
DIESEL RANGE ORGANICS I	BY EPA 3510	/8015C							
Diesel-Range Organics	ND		mg/L	0.25	0.25	1	08/09/19	08/12/19 20:55	SJA
Surrogate: o-Terphenyl		60	0-120	92 %	08/09/19		08/12/19 20:55		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results



1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

MW-6 9080802-06 (Nonpotable Water)

			\$	Sample Date: 08	/07/19				
Analyte	Result	Notes Ur	nits	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	А МЕТНОІ) 8260B (GC/N	MS)						
Acetone	ND		g/L	10.0	10.0	1	08/12/19	08/12/19 15:50	GM
tert-Amyl alcohol (TAA)	ND	ug	g/L	20.0	20.0	1	08/12/19	08/12/19 15:50	GM
tert-Amyl methyl ether (TAME)	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Benzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Bromobenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Bromochloromethane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Bromodichloromethane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Bromoform	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Bromomethane	ND	ug	g/L	5.0	5.0	1	08/12/19	08/12/19 15:50	GM
tert-Butanol (TBA)	ND	ug	g/L	15.0	15.0	1	08/12/19	08/12/19 15:50	GM
2-Butanone (MEK)	ND	ug	g/L	10.0	10.0	1	08/12/19	08/12/19 15:50	GM
n-Butylbenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
sec-Butylbenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
tert-Butylbenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Carbon disulfide	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Carbon tetrachloride	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Chlorobenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Chloroethane	ND	ug	g/L	5.0	5.0	1	08/12/19	08/12/19 15:50	GM
Chloroform	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Chloromethane	ND	ug	g/L	5.0	5.0	1	08/12/19	08/12/19 15:50	GM
2-Chlorotoluene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
4-Chlorotoluene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Dibromochloromethane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2-Dibromo-3-chloropropane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2-Dibromoethane (EDB)	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Dibromomethane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2-Dichlorobenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,3-Dichlorobenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,4-Dichlorobenzene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Dichlorodifluoromethane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,1-Dichloroethane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2-Dichloroethane	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,1-Dichloroethene	ND	ug	g/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM

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Will Brewington, President



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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project Number: 701 Chase St. Annapolis, MD Project Manager: Scott Alexander

Project: Bates Middle School

MW-6 9080802-06 (Nonpotable Water) Sample Date: 08/07/19

			sample Date. 00	707/15				
			Reporting	Quantitation				
Analyte		Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA		8260B (GC/MS) (continued)					
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:50	GM
Isopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
4-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
4-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:50	GM
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 15:50	GM
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,1,2-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Trichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Trichlorofluoromethane (Freon 11)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD Project Manager: Scott Alexander

MW-6

9080802-06 (Nonpotable Water) Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analys
VOLATILE ORGANICS BY EF	A METHOD	8260B (G	C/MS) (continued)					
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Vinyl chloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
o-Xylene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 15:50	GM
Surrogate: 1,2-Dichloroethane-d4		75-	-120	105 %	08/12/19		08/12/19 15:50		
Surrogate: Toluene-d8		75-	-120	100 %	08/12/19		08/12/19 15:50		
Surrogate: 4-Bromofluorobenzene		78-	-110	100 %	08/12/19		08/12/19 15:50		
GASOLINE RANGE ORGANIC	CS BY EPA 8	8015C							
Gasoline-Range Organics	ND		ug/L	100	100	1	08/10/19	08/10/19 00:09	GM
DIESEL RANGE ORGANICS E	SY EPA 3510	/8015C							
Diesel-Range Organics	ND		mg/L	0.22	0.22	1	08/09/19	08/12/19 21:22	SJA
Surrogate: o-Terphenyl		60-	-120	92 %	08/09/19		08/12/19 21:22		

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Project Manager: Scott Alexander

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Analytical Results

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Reported: 08/14/19 17:38

MW-7

9080802-07 (Nonpotable Water) Sample Date: 08/07/19

		;	Sample Date: 08	/07/19				
			Reporting	Quantitation				
Analyte	Result Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOD 8260	B (GC/MS)						
Acetone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 16:16	GM
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	20.0	1	08/12/19	08/12/19 16:16	GM
tert-Amyl methyl ether (TAME)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Benzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Bromobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Bromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Bromodichloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Bromoform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Bromomethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 16:16	GM
ert-Butanol (TBA)	ND	ug/L	15.0	15.0	1	08/12/19	08/12/19 16:16	GM
2-Butanone (MEK)	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 16:16	GM
n-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
ec-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
ert-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Carbon disulfide	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Carbon tetrachloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Chlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Chloroethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 16:16	GM
Chloroform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Chloromethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 16:16	GM
2-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Dibromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Dibromomethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,2-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,3-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,4-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Dichlorodifluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,1-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,2-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,1-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM

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Project Manager: Scott Alexander

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Analytical Results

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Reported: 08/14/19 17:38

MW-7 9080802-07 (Nonpotable Water) Sample Date: 08/07/19

		,	Sample Date: 08	/07/19				
			Reporting	Quantitation				
Analyte	Result Not	es Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD 826	0B (GC/MS) (continued)					
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
rans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 16:16	GM
sopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 16:16	GM
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 16:16	GM
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,1,2-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Γrichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Trichlorofluoromethane (Freon 11)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-7 9080802-07 (Nonpotable Water) Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analys
VOLATILE ORGANICS BY EI	PA METHOL	8260B (G	C/MS) (continued)					
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Vinyl chloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
o-Xylene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:16	GM
Surrogate: 1,2-Dichloroethane-d4		75-	-120	105 %	08/12/19		08/12/19 16:16		
Surrogate: Toluene-d8		75-	-120	101 %	08/12/19		08/12/19 16:16		
Surrogate: 4-Bromofluorobenzene		78-	-110	99 %	08/12/19		08/12/19 16:16		
GASOLINE RANGE ORGANIC	CS BY EPA 8	8015C							
Gasoline-Range Organics	ND		ug/L	100	100	1	08/10/19	08/10/19 00:46	GM
DIESEL RANGE ORGANICS I	BY EPA 3510	/8015C							
Diesel-Range Organics	ND		mg/L	0.22	0.22	1	08/09/19	08/12/19 21:49	SJA
Surrogate: o-Terphenyl		60-	-120	88 %	08/09/19		08/12/19 21:49		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Project Manager: Scott Alexander

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Analytical Results

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

MW-8

9080802-08 (Nonpotable Water) Sample Date: 08/07/19

			Sample Date: 08	/07/19				
Analyte	Result	Notes Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	A METHOD	8260B (GC/MS)						
Acetone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 16:41	GM
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	20.0	1	08/12/19	08/12/19 16:41	GM
tert-Amyl methyl ether (TAME)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Benzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Bromobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Bromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Bromodichloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Bromoform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Bromomethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 16:41	GM
tert-Butanol (TBA)	ND	ug/L	15.0	15.0	1	08/12/19	08/12/19 16:41	GM
2-Butanone (MEK)	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 16:41	GM
n-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
sec-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
ert-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Carbon disulfide	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Carbon tetrachloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Chlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Chloroethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 16:41	GM
Chloroform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Chloromethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 16:41	GM
2-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
4-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Dibromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Dibromomethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,3-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,4-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Dichlorodifluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,1-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,1-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM

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Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

MW-8

9080802-08 (Nonpotable Water) Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOD	8260B (G	C/MS) (continued)					
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Ethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 16:41	GM
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 16:41	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 16:41	GM
Naphthalene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
n-Propylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Styrene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Tetrachloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Toluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Trichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM

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Whiterender



nela C

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-8

9080802-08 (Nonpotable Water) Sample Date: 08/07/19

			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analys
VOLATILE ORGANICS BY EI	PA METHOI) 8260B (GC/MS)	(continued)					
1,2,4-Trimethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
1,3,5-Trimethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Vinyl chloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
o-Xylene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
m- & p-Xylenes	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 16:41	GM
Surrogate: 1,2-Dichloroethane-d4		75-120	107 %	08/12/19		08/12/19 16:41		
Surrogate: Toluene-d8		75-120	100 %	08/12/19		08/12/19 16:41		
Surrogate: 4-Bromofluorobenzene		78-110	98 %	08/12/19		08/12/19 16:41		
GASOLINE RANGE ORGANI	CS BY EPA 8	8015C						
Gasoline-Range Organics	ND	ug/L	100	100	1	08/10/19	08/10/19 01:24	GM
DIESEL RANGE ORGANICS I	BY EPA 3510	/8015C						
Diesel-Range Organics	ND	mg/L	0.25	0.25	1	08/09/19	08/12/19 22:44	SJA
Surrogate: o-Terphenyl		60-120	91 %	08/09/19		08/12/19 22:44		

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Project Manager: Scott Alexander

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Analytical Results

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Reported: 08/14/19 17:38

MW-10

9080802-09 (Nonpotable Water) Sample Date: 08/07/19

				sample Date: 08/	07/17				
				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	A METHOD	8260B (C	GC/MS)						
Acetone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 17:07	GM
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	08/12/19	08/12/19 17:07	GM
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Benzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Bromobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Bromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Bromodichloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Bromoform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Bromomethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 17:07	GM
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	08/12/19	08/12/19 17:07	GM
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 17:07	GM
n-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Carbon disulfide	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Chlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Chloroethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 17:07	GM
Chloroform	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Chloromethane	ND		ug/L	5.0	5.0	1	08/12/19	08/12/19 17:07	GM
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Dibromochloromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Dibromomethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM

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Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

MW-10

9080802-09 (Nonpotable Water) Sample Date: 08/07/19

			Sample Date: 08					
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA								
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:07	GM
(Sopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
4-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
4-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:07	GM
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:07	GM
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,1,2-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Trichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Trichlorofluoromethane (Freon 11)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM

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nela C

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-10

9080802-09 (Nonpotable Water) Sample Date: 08/07/19

				Reporting	Quantitation				
Analyte	Result	Notes U	nits	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA	METHOI	9 8260B (GC/	MS) (cor	ntinued)					
1,2,4-Trimethylbenzene	ND	u	g/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
1,3,5-Trimethylbenzene	ND	u	g/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Vinyl chloride	ND	u	g/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
o-Xylene	ND	u	g/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
m- & p-Xylenes	ND	u	g/L	2.0	1.0	1	08/12/19	08/12/19 17:07	GM
Surrogate: 1,2-Dichloroethane-d4		75-120)	104 %	08/12/1	9	08/12/19 17:07		
Surrogate: Toluene-d8		75-120)	100 %	08/12/1	9	08/12/19 17:07		
Surrogate: 4-Bromofluorobenzene		78-110)	97 %	08/12/1	9	08/12/19 17:07		
GASOLINE RANGE ORGANICS	S BY EPA 8	8015C							
Gasoline-Range Organics	ND	u	g/L	100	100	1	08/10/19	08/10/19 02:01	GM
DIESEL RANGE ORGANICS BY	ZEPA 3510	/8015C							
Diesel-Range Organics	ND	m	g/L	0.23	0.23	1	08/09/19	08/12/19 23:12	SJA
Surrogate: o-Terphenyl		60-120)	92 %	08/09/1	9	08/12/19 23:12		

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:38

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Notes and Definitions

S-FAIL Surrogate recovery was outside of established QC limits

J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

%-Solids Percent Solids is a supportive test and as such does not require accreditation

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Company Name:	Project Manager:	Anal	Analysis Requested	CHAIN-OF-CUSTODY RECORD	RECORD
Petroleum Management, Inc.	Scott Alexander	(-			
Project Name:	Project ID:	<u>579</u>		Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G	ices, Inc. , Suite G
Bates Middle School	701 Chasest.	(09) 18)		Baltimore, MD 21227	723
Sampler(s):	P.O. Number:	28. 0		410–247–7600 • Fax 410–247–7602	247–7602
S. Hexander	Annapolis, MD	inera 1967 1975 1975		Matrix Codes: NW (nonpotable water)	-
M. rorrs		9 - 1.		PW (potable water)	
Field Sample ID	Date Tige Water Soil	No. of COI -H9T -H9T'		Preservative: 1+1 Field pH, Residual HCL, H ₂ SO ₄ , Chlorine, QC Methanol, Request, Trip Na ₂ S ₂ O ₃ , NaHCO ₃ Blank, Field Blank	MSS Lab ID
MDE-1	X 80; // bl/L/8	X X X X			9080802-01
MDE-2	X 20,01	х Х Х			702
MDE-3	X 5h:80	N X X X X			50-
M-4	X 01;81 \	3 7 2 8			さつ
MW-S		3 × × ×			8
MW-6		3 X X			90- ·
MW-7		メメメ		*	10-
MW-8	- X ES:11	3 x x x			8 0
MW-10	√ /0:37 ×	X X X X			\$7
Relipedished by: (Signature)	Date/Time Received bys, (Signatury 818/19	nyes /	Relinquished by: (<i>Signature)</i>	Date/Time Received by: (Signature)	Signature)
Printed Ma LGE	938 Printed	Mer Conso	(Printed)	(Printed)	
Relinquished by: (Signature)	Date/Time Received by Lab: (Signature,	ignature)	Turn Around Time:	Lab Use:	
(Printed)	(Printed)		_	Temp: 4.4 °C Received on Ice	
			□ 4 day □ 3 day	□ Received same day □ Preservation Appropriate	
Special Instance Courier MDE Courier MDE Client DPS LACK I CH IS COURS COURS LOSPS USPS	Special Instructions/OC Requirements & Com MDE Case # 18-0559-AA Initial MW Sampling	mments:	Bush (2 day) Next Day Other:	E .	
			***************************************	,	





1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com VELAP ID 460040

14 August 2019

Scott Alexander
Petroleum Management, Inc.
2138 Priest Bridge Ct., STE 10
Crofton, MD 21114-2450

RE: Bates Middle School

Enclosed are the results of analyses for samples received by the laboratory on 08/09/19 10:13.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Will Brewington

Willeburge

President



Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

nela C

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:46

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TF-1		9080903-01	Nonpotable Water	08/08/19 14:00	08/09/19 10:13
TF-2		9080903-02	Nonpotable Water	08/08/19 14:20	08/09/19 10:13

>

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



enero MACCORO

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:46

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

TF-1 9080903-01 (Nonpotable Water) Sample Date: 08/08/19

			sample Date. 00					
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.		8260B (GC/MS)						
Acetone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:33	GM
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	20.0	1	08/12/19	08/12/19 17:33	GM
tert-Amyl methyl ether (TAME)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Benzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Bromobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Bromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Bromodichloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Bromoform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Bromomethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 17:33	GM
tert-Butanol (TBA)	ND	ug/L	15.0	15.0	1	08/12/19	08/12/19 17:33	GM
2-Butanone (MEK)	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:33	GM
n-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
sec-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
tert-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Carbon disulfide	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Carbon tetrachloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Chlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Chloroethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 17:33	GM
Chloroform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Chloromethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 17:33	GM
2-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
4-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Dibromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Dibromomethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,3-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,4-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Dichlorodifluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,1-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,1-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
•		-						

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



nela Car

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:46

Project Number: 701 Chase St. Annapolis, MD
Project Manager: Scott Alexander

Project: Bates Middle School

TF-1 9080903-01 (Nonpotable Water) Sample Date: 08/08/19

Analyte VOLATILE ORGANICS BY EPA M	Result	Notes							
VOLATILE ODCANICS DV EDA N		11000	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ONGANICS DI ETA I	METHOD	8260B (GC/MS) (continued)					
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Ethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
2-Hexanone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 17:33	GM
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 17:33	GM
Methylene chloride	ND		ug/L	10.0	10.0	1	08/12/19	08/12/19 17:33	GM
Naphthalene	3.3		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
n-Propylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Styrene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Tetrachloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Toluene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Trichloroethene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:46

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

TF-1 9080903-01 (Nonpotable Water) Sample Date: 08/08/19

	·	·	Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EI	PA METHOI	9 8260B (GC/MS	S) (continued)					
1,2,4-Trimethylbenzene	1.9	J ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
1,3,5-Trimethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Vinyl chloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
o-Xylene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
m- & p-Xylenes	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:33	GM
Surrogate: 1,2-Dichloroethane-d4		75-120	105 %	08/12/19)	08/12/19 17:33		
Surrogate: Toluene-d8		75-120	102 %	08/12/19)	08/12/19 17:33		
Surrogate: 4-Bromofluorobenzene		78-110	97 %	08/12/19)	08/12/19 17:33		
GASOLINE RANGE ORGANI	CS BY EPA 8	8015C						
Gasoline-Range Organics	ND	ug/L	100	100	1	08/12/19	08/12/19 16:35	GM
DIESEL RANGE ORGANICS I	BY EPA 3510	/8015C						
Diesel-Range Organics	0.86	mg/I	0.24	0.24	1	08/12/19	08/13/19 22:36	SJA
Surrogate: o-Terphenyl		60-120	108 %	08/12/19)	08/13/19 22:36		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Bright



Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

enela de

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:46

TF-2 9080903-02 (Nonpotable Water)

			Sample Date: 08	,				
			Reporting	Quantitation				
Analyte	Result	Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP.	A METHOD	8260B (GC/MS)						
Acetone	17.7	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:58	GM
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	20.0	1	08/12/19	08/12/19 17:58	GM
tert-Amyl methyl ether (TAME)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Benzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Bromobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Bromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Bromodichloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Bromoform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Bromomethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 17:58	GM
tert-Butanol (TBA)	ND	ug/L	15.0	15.0	1	08/12/19	08/12/19 17:58	GM
2-Butanone (MEK)	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:58	GM
n-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
sec-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
tert-Butylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Carbon disulfide	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Carbon tetrachloride	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Chlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Chloroethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 17:58	GM
Chloroform	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Chloromethane	ND	ug/L	5.0	5.0	1	08/12/19	08/12/19 17:58	GM
2-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
4-Chlorotoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Dibromochloromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Dibromomethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,3-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,4-Dichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Dichlorodifluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,1-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2-Dichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,1-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM

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nela Car

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:46

Project Number: 701 Chase St. Annapolis, MD Project Manager: Scott Alexander

Project: Bates Middle School

TF-2 9080903-02 (Nonpotable Water) Sample Date: 08/08/19

			sample Date. 00	700/17				
			Reporting	Quantitation				
Analyte		Notes Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA			continued)					
cis-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
trans-1,2-Dichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Dichlorofluoromethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,3-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
2,2-Dichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,1-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
cis-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
trans-1,3-Dichloropropene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Diisopropyl ether (DIPE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Ethyl tert-butyl ether (ETBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Ethylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Hexachlorobutadiene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
2-Hexanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:58	GM
Isopropylbenzene (Cumene)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
4-Isopropyltoluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
4-Methyl-2-pentanone	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:58	GM
Methylene chloride	ND	ug/L	10.0	10.0	1	08/12/19	08/12/19 17:58	GM
Naphthalene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
n-Propylbenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Styrene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Tetrachloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Toluene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,1,1-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,1,2-Trichloroethane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Trichloroethene	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Trichlorofluoromethane (Freon 11)	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,2,3-Trichloropropane	ND	ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

Reported: 08/14/19 17:46

Project: Bates Middle SchoolProject Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

TF-2 9080903-02 (Nonpotable Water) Sample Date: 08/08/19

				Reporting	Quantitation				
Analyte	Result	Notes	Units	Limit (MRL)	Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EP	А МЕТНОІ) 8260B ((GC/MS)	(continued)					
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Vinyl chloride	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
o-Xylene	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	08/12/19	08/12/19 17:58	GM
Surrogate: 1,2-Dichloroethane-d4		7	75-120	105 %	08/12/19		08/12/19 17:58		
Surrogate: Toluene-d8		7	75-120	101 %	08/12/19		08/12/19 17:58		
Surrogate: 4-Bromofluorobenzene		7	78-110	98 %	08/12/19		08/12/19 17:58		
GASOLINE RANGE ORGANIC	CS BY EPA 8	8015C							
Gasoline-Range Organics	ND		ug/L	100	100	1	08/12/19	08/12/19 17:12	GM
DIESEL RANGE ORGANICS B	Y EPA 3510	/8015C							
Diesel-Range Organics	0.94		mg/L	0.28	0.28	1	08/12/19	08/13/19 23:04	SJA
Surrogate: o-Terphenyl		6	50-120	107 %	08/12/19		08/13/19 23:04		

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Reported: 08/14/19 17:46

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Notes and Definitions

J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

%-Solids Percent Solids is a supportive test and as such does not require accreditation

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Willsburghen

Company Name: Petroleum Management, Inc.	Project Manager: Scott Alexander	Anal	Analysis Requested	CHAIN-OF-CUSTODY RECORD	Y RECORD
		``		Maryland Spectral Services, Inc.	rvices, Inc.
Project Name:	Project ID:	(°		1500 Caton Center Drive, Suite G	ve, Suite G
Rata Middle C.O.	701 Cliase St,	92 5) t		Baltimore, MD 21227	1227
Sampler(s):	T	28) 28)		410-247-7600 • Fax 410-247-7602	5-247-7602
	Aduapolis, ND) / /) _ / !		Matrix Codes: NW (nonpotable water)	rel com
S. Hexander		ntain S S S S S S S S S S S S S S S S S S S	-	PW (potable water)	
Field Sample ID	Date Time Water Soil	No. of Cot 7-H9T 7-H9T 7-H9T		Preservative: 1+1 Field pH, Residual HCL, H ₂ SO ₄ , Chlorine, QC Methanol, Request, Trip Na ₂ S ₂ O ₃ , NaHCO ₃ Blank, Field Blank	al MSS Lab ID
1-77		×××			90817903-0
7	X 02.7/ b	XXX		77471	20-
Relinguished by: (Signature)	Date/Time Received by: (Signature)	ture)	Relinquished by: (Signature)	Date/Time Received b	Received by: <i>(Signature)</i>
PONALD MOLFE	(Printed)		(Printed)	(Printed)	
Relinquished by: (Signature)	Date/Time Received by Lab: (Signature)	ignature)	Turn Around Time:	Lab Use:	
(Printed)	8/9/19 (Primed)	~	1	Temp: $\frac{2}{3}$ °C $\frac{2}{3}$ Received on Ice	
	1013 Grash	Grady Authoull	п 4 day п 3 day	Received same day Preservation Appropriate	
Delivery Method: Special Instantial Courier Tau Courier Client OF Fedex OF Fedex OF Other:	Special Instructions/OC Requirements & Comments: Tauk Field Water Samples MDE Case # 18-0559-AA	mments: Es AA		l ka	

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