



PETROLEUM MANAGEMENT, INC.

Environmental Services Division

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June 24, 2024

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

**RE: Wiley H. Bates Middle School
701 Chase St., Annapolis
MDE Facility ID# 3200
MDE Case# 18-0559-AA**

Quarterly Sampling Report – 2nd Quarter 2024

Dear Ms. Campbell,

In accordance with MDE directives, a quarterly monitoring well sampling event was completed at the site on May 22, 2024. Each monitoring well available at the site was gauged with an electronic oil/water interface probe to detect any accumulation of Liquid Phase Hydrocarbons (LPH) or Free Product. **At the time of this monitoring event, the skimmer recovery system was active with no LPH present in MW-1 or MW-2 with only a slight petroleum sheen observed at water surface. Accordingly, wells MW-1 and MW-2 were gauged, purged and sampled as part of this quarterly sampling event.**

After gauging and in the absence of any LPH, each well was purged with a submersible low-flow pump on May 21, 2024 by removing a total of three (3) well volumes of water per gauging calculations. Purged groundwater was transferred to containment drums for removal and disposal (PMI manifest #42263). After allowing groundwater in each well to recover to pre-purge levels, sampling from each well was completed on May 22, 2024.

Groundwater samples were collected using pre-packaged, single-use disposable bailers and placed in laboratory provided glassware for analysis of TPH-DRO, TPH-GRO (EPA method 8015c) and Total VOC (EPA method 8260b) as directed. Samples were placed in a cooler with ice for transport to the lab facility under appropriate chain of custody. Historic and current groundwater analysis results are summarized as follows with complete laboratory reports attached. *For the purpose of sample analysis and comparison to current MDE Clean-up Standards, a lower detection limit was requested in the TPH-GRO and TPH-DRO analysis. As noted in the laboratory report, an ND result would indicate a concentration below the reporting limit as well as the detection limit for the analysis. If the result is below the reporting limit but above the detection limit, a J-Flag notation would be indicated to reflect an estimated concentration.*

MW-1: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-1	8/7/19	*LPH present, no sampling this quarter. Well target of EFR activity.							
	11/7/19	*LPH present, no sampling this quarter. Well target of EFR activity.							
	2/19/20	*LPH present, no sampling this quarter. Well target of EFR activity.							
	5/20/20	*LPH present, no sampling this quarter. Well target of active recovery system.							
	8/19/20	*LPH present, no sampling this quarter. Well target of active recovery system.							
	11/19/20	*LPH present, no sampling this quarter. Well target of active recovery system.							
	2/25/21	*LPH present, no sampling this quarter. Well target of active recovery system.							
	5/20/21	*LPH present, no sampling this quarter. Well target of active recovery system.							
	8/25/21	*LPH present, no sampling this quarter.							
	11/17/21	*LPH present, no sampling this quarter.							
	2/24/22	*LPH present, no sampling this quarter.							
	5/26/22	*LPH present, no sampling this quarter. Well target of active recovery system.							
	8/24/22	*LPH present, no sampling this quarter. Well target of active recovery system.							
	11/23/22	*LPH present, no sampling this quarter. Well target of active recovery system.							
	2/8/23	*LPH present, no sampling this quarter (Skimmers temp. off-line for observation)							
	5/25/23	*LPH present, no sampling this quarter (LPH skimmers returned to service 2/26/23)							
8/24/23	1530	37100	12.7	1.3	39.9	152.3	ND <2.0	86.6	
11/29/23	*LPH present, no sampling this quarter (LPH skimmers returned to service 10/5/23)								
2/22/24	*LPH present (<0.01'), no sampling this quarter								
5/22/24	1230	25400	22.5	1.7	42.3	51.7	ND <2.0	62.0	
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

MW-2: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-2	8/7/19	*LPH present, no sampling this quarter. Well target of EFR activity.							
	11/7/19	*LPH present, no sampling this quarter. Well target of EFR activity.							
	2/19/20	*LPH present, no sampling this quarter. Well target of EFR activity.							
	5/20/20	*LPH present, no sampling this quarter. Well target of active recovery system.							
	8/19/20	*LPH present, no sampling this quarter. Well target of active recovery system.							
	11/19/20	*LPH present, no sampling this quarter. Well target of active recovery system.							
	2/25/21	*LPH present, no sampling this quarter. Well target of active recovery system.							
	5/20/21	*LPH present, no sampling this quarter. Well target of active recovery system.							
	8/25/21	*LPH present, no sampling this quarter.							
	11/17/21	*LPH present, no sampling this quarter.							
	2/24/22	*LPH present, no sampling this quarter.							
	5/26/22	*LPH present, no sampling this quarter. Well target of active recovery system.							
	8/24/22	*LPH present (heavy sheen only), no sampling this quarter. Well target of active recovery system.							
	11/23/22	*LPH present, no sampling this quarter. Well target of active recovery system.							
	2/8/23	*LPH present, no sampling this quarter (Skimmers temp. off-line for observation)							
	5/25/23	*LPH present, no sampling this quarter (LPH skimmers returned to service 2/26/23)							
	8/24/23	2200	328000	7.2	ND <2.0	131	259.9	ND <2.0	164
11/29/23	*LPH present, no sampling this quarter (LPH skimmers returned to service 10/5/23)								
2/22/24	*LPH present (<0.01'), no sampling this quarter								
5/22/24	534	13300	3.7	ND <2.0	20.9	33.6	ND <2.0	54.0	
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

MW-3: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-3	8/7/19			*LPH present, no sampling this quarter. Well target of EFR activity.					
	11/7/19			*LPH present, no sampling this quarter. Well target of EFR activity.					
	2/19/20	102	1870	ND <2.0	ND <2.0	ND <2.0	4.7	ND <2.0	ND <2.0
	5/20/20	ND <100	8770	ND <2.0	ND <2.0	ND <2.0	4.1	ND <2.0	4.3
	8/19/20	ND <100	5530	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	2720	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	6520	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	6260	ND <2.0	ND <2.0	ND <2.0	3.7	ND <2.0	4.5
	8/25/21	ND <100	2210	ND <2.0	ND <2.0	ND <2.0	1.1	ND <2.0	ND <2.0
	11/17/21	ND <100	7530	ND <2.0	ND <2.0	ND <2.0	1.5	ND <2.0	ND <2.0
	2/24/22	ND <100	480	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	3560	ND <2.0	ND <2.0	1.0 J	6.1 J	ND <2.0	4.7 J
	8/24/22	ND <100	7500	ND <2.0	ND <2.0	ND <2.0	1.2 J	ND <2.0	4.3
	11/23/22	ND <45	3100	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	3.1
	2/8/23	ND <45	8290	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	834	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	1750	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	77.8	4250	ND <2.0	ND <2.0	ND <2.0	1.4	ND <2.0	3.3
	2/22/24	ND <45	4990	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	1810	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

J= Detected but below detection limit; estimated concentration.

MW-4: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-4	8/7/19	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <260	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <250	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <270	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <180	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <280	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <250	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	90	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	ND <30	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MW-4 was abandoned 2/16/23 as MDE approved									
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

MW-5: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-5	8/7/19	ND <100	ND <250	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <260	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <190	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	50	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	ND <30	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	ND <31	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	ND <51	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	ND <44	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MW-5 was abandoned 6/20/24 as MDE approved									
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

MW-6: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-6	8/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <250	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <190	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	*ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	90	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	ND <30	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	ND <33	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	ND <48	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	ND <44	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MW-6 was abandoned 6/20/24 as MDE approved									
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

*TPH-DRO sample was compromised by lab, well was re-sampled for TPH-DRO on 3/2/22.

ND= Not Detected at or above the method reporting or detection limit.

MW-7: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-7	8/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <260	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <190	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	50	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	ND <30	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	ND <32	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	ND <49	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	ND <51	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	ND <45	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MW-7 was abandoned 6/20/24 as MDE approved									
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

MW-8: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-8	8/7/19	ND <100	ND <250	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	190	9830	ND <2.0	ND <2.0	2.7	7.6	ND <2.0	7.5
	5/20/20	ND <100	1180	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	370	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	300	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	1930	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	750	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	1990	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	680	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	370	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	110	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	1880	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	151	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	103	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	642	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	470	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	474	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

MW-10: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-10	8/7/19	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <180	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	50	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	30	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MW-10 was abandoned 2/16/23 as MDE approved									
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

MDE-1: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MDE-1	8/7/19	ND <100	ND <260	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <250	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <180	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	ND <40	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	40	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	ND <33	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	ND <58	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	ND <48	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	ND <45	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

MDE-2: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MDE-2	8/7/19	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <200	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <180	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	40	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	50	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	51	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	ND <50	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	ND <43	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	ND <44	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

MDE-3: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MDE-3	8/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/19/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <190	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <210	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	ND <30	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	ND <30	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	56	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	56	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	64	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	59	ND <2.0	ND <2.0	ND <2.0	1.6	ND <2.0	ND <2.0
	5/22/24	ND <45	189	ND <2.0	ND <2.0	ND <2.0	3.3	ND <2.0	5.6
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

TF-1: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
TF-1	8/8/19	ND <100	860	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	3.3
	11/7/19	*Well purged dry with no recharge; no water present to sample							
	2/19/20	*Well purged dry with no recharge; no water present to sample							
	5/20/20	*Well purged dry with no recharge; no water present to sample							
	8/19/20	*Well purged dry with no recharge; no water present to sample							
	11/19/20	*Little to no water present, gauged at 0.26 gal; not enough to sample							
	2/25/21	*Little to no water present, gauged at 0.19 gal; not enough to sample							
	5/20/21	*Little to no water present, gauged at 0.17 gal; not enough to sample							
	8/25/21	*Little to no water present, gauged at 0.15 gal; not enough to sample							
	11/17/21	*Little to no water present, gauged at 0.21 gal; not enough to sample							
	2/24/22	*Little to no water present, not enough to sample							
	5/26/22	*Little to no water present, not enough to sample							
	8/24/22	*Little to no water present, not enough to sample							
	11/23/22	*Little to no water present, not enough to sample							
	2/8/23	*Little to no water present, not enough to sample							
	5/25/23	*Little to no water present, not enough to sample							
	8/24/23	*Little to no water present, not enough to sample							
	11/29/23	*Little to no water present, not enough to sample							
	2/22/24	*Little to no water present, not enough to sample							
	5/22/24	*Little to no water present, not enough to sample							
	*Tank Field Monitoring Pipe (TF-1) to be removed with UST Closure July 2024								
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

TF-2: Analytical Results Summary

Well ID	Sample Date	TPH-GRO ug/L	TPH-DRO ug/L	*Volatile Organic Compounds ug/L					
				Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
TF-2 (MW-9)	8/8/19	ND <100	940	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/7/19	*Well purged dry with no recharge; no water present to sample							
	2/19/20	ND <100	ND <270	ND <2.0	ND <2.0	ND <2.0	1.6	ND <2.0	ND <2.0
	5/20/20	ND <100	ND <240	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/19/20	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/19/20	ND <100	240	ND <2.0	ND <2.0	ND <2.0	4.1	ND <2.0	ND <2.0
	2/25/21	ND <100	ND <230	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/20/21	ND <100	ND <200	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/25/21	ND <100	ND <220	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/17/21	ND <100	ND <250	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/24/22	ND <100	ND <340	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/26/22	ND <100	ND <300	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/22	ND <100	ND <280	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/23/22	ND <45	100	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/8/23	ND <45	170	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/25/23	ND <45	82	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	8/24/23	ND <45	215	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	11/29/23	ND <45	690	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	2/22/24	ND <45	253	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0	ND <2.0
	5/22/24	ND <45	264	ND <2.0	ND <2.0	ND <2.0	1.1	ND <2.0	ND <2.0
	TF-2 (MW-9) was abandoned 6/20/24 prior to UST closure as MDE approved								
MDE Clean-up Std. (Type I & II Aquifers)		47	47	5.0	1000	700	10000	20	0.17

ND= Not Detected at or above the method reporting or detection limit.

Conclusions:

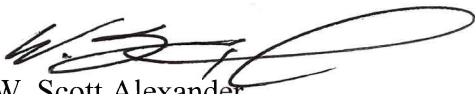
Upon review and comparison of the gauging and sampling results from the previous quarterly sampling events and the current 2nd quarter of 2024, LPH at MW-3 has still not returned and has not been observed since November 13, 2019. With the skimmer recovery system still active, LPH accumulation at MW-1 and MW-2 has been reduced to a non-measurable level with only a slight petroleum sheen visible at the water surface as gauged on 5/21/24.

As expected, since LPH has diminished to only a visible petroleum sheen at MW-1 and MW-2, sample results from this quarterly sampling resulted in elevated dissolved-phase TPH and VOC concentrations. In upcoming quarterly sampling, it is hoped that a declining trend in concentrations will be observed. Compared to last quarter's sampling, dissolved-phase TPH-DRO contamination still persists at MW-3, MW-8, TF-2 and MDE-3. Remaining well locations, MDE-1, MDE-2, MW-5, MW-6, and MW-7 continue to result in parameter concentrations either below detection limits or below applicable clean-up standards. Upon review of these most recent sample results and as approved by MDE, **wells MW-5, MW-6 and MW-7 were properly abandoned on June 20, 2024. With the scheduled UST closure at the site in July 2024, well TF-2 (MW-9) was also abandoned on June 20, 2024. TF-1 (tank field monitoring pipe) and TF-2 casings will be removed entirely during excavation and removal of the UST systems.**

A complete laboratory results report for the 2nd quarter 2024 sampling event along with well gauging data and updated site plan of monitoring well locations is attached for review. As directed by MDE, the next quarterly sampling event will be scheduled in August 2024.

Please contact our office with any questions or concerns.

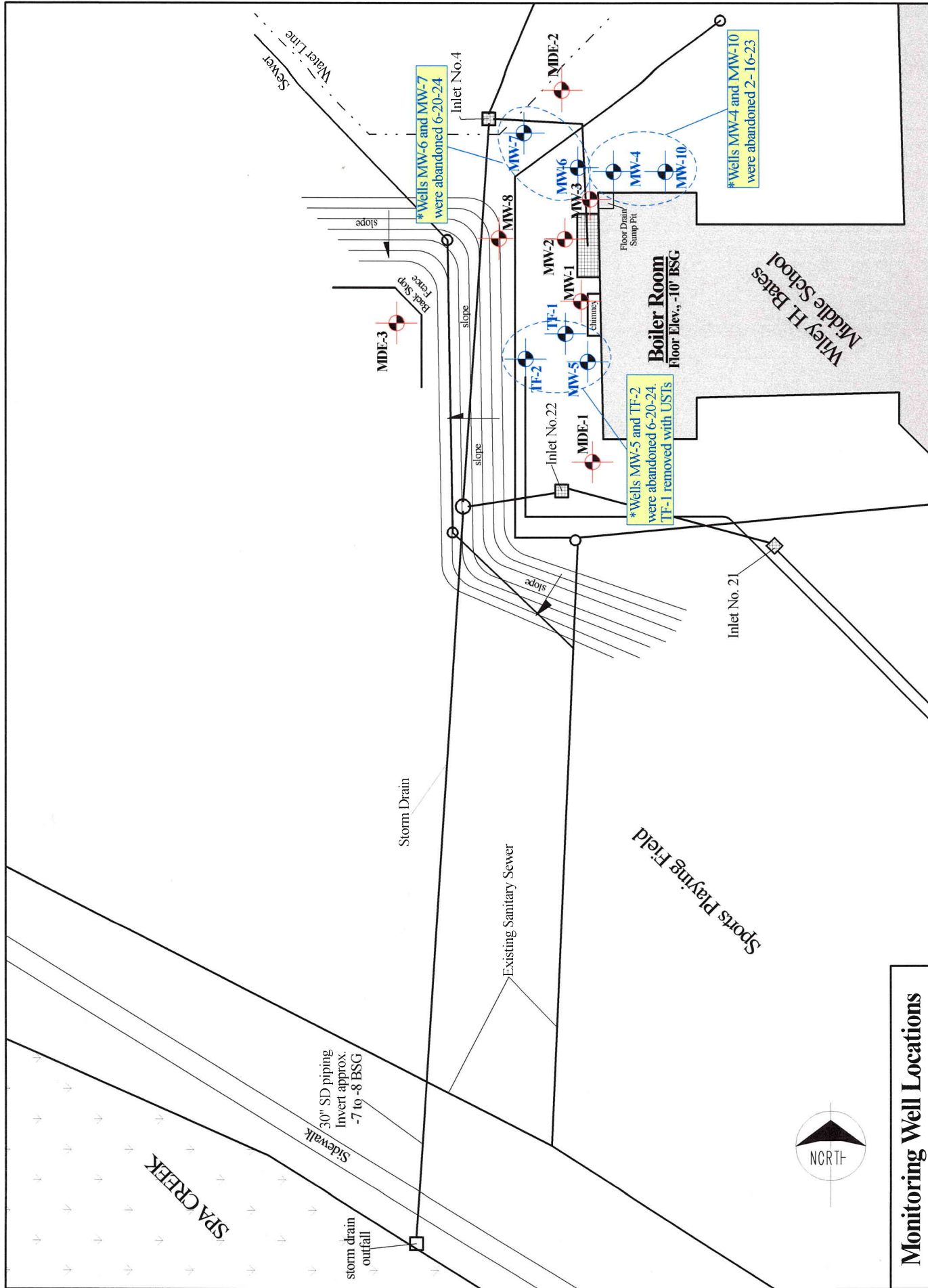
Respectfully submitted,



W. Scott Alexander
Environmental Projects Manager

Enc.

cc: *Mr. Christopher Williams*
Environmental Health & Safety Manager
Anne Arundel County Public Schools
9034 Fort Smallwood Rd.
Pasadena, MD 21122



Monitoring Well Locations		Job Name:	Wiley H. Bates Middle School - Corrective Action Plan	
Petroleum Management, Inc. 5218 Curtis Avenue Curtis Bay, MD 21226 410-354-0200		Location:	701 Chase Street, Annapolis, MD 21401	
		Drawn By:	WSA	Date: June 2024
			Scale: 1" = 50'	

Petroleum Management, Inc.

MD. Oil Operation Permit No: 2011-OPT-38311
EPA Identification NO: MDR000525278
Federal ID NO: 42-2014536

5218 Curtis Avenue ♦ Baltimore, Maryland 21226 ♦ Phone 410-354-0200 ♦ Fax 410-721-1390

Bill of Lading/Manifest

No. 42263

Generator/Shipper: Anne Arundel County Public Schools (AACPS)			Billing Name: Anne Arundel County Public Schools (AACPS)		
Site Address: 701 Chase Ave			Address: 9034 Ft Smallwood Rd		
City: Annapolis	State: MD	Zip: 21401	City: Pasadena	State: MD	Zip: 21122
Phone: 410-562-0138	Contact: Jim Perpley		Phone: 443-770-5911	Contact: Jim Perpley	
Purchase Order No:					

MATERIAL CHARACTERIZATION (CHECK ALL THAT APPLY):

Description:	Gallons	Description:	Gallons	Description:	Gallons
Gasoline, 3, UN1203,PGIII		Hazardous Waste, Liquid, 9 NA3082, PGIII		JP#4	
#2 fuel Oil, 3, NA1993, PGIII		Hazardous Waste, Solid, 9 NA3077, PGIII		JP#5	
#4 fuel Oil, 3 NA1993, PGIII		Paint Thinners, 3, UN1263, PGI		Jet A	
#6 fuel Oil, 3, NA1993, PGIII		Ethylene Glycol, 9, UN3082, PGIII		Sludge	
Diesel, 3, NA1993 PGIII		Lube Oil		Petroleum Contaminated Water	345gal
Flammable Liquids, NOS, 3, UN1993, PGI		Waste Oil		Other	
Corrosive Liquids, NOS, 3, UN1760, PGII		Kerosene		Other	
No of Drums:		No. of Tanks:		Other	
Scale Weights (Soil): Total: (Tons)		Tare: (Tons)		Net: (Tons)	

Service Description : Pumped out 345 gallons of monitoring well purge water .

PLACARDS TENDERED

☐

YES

☒

NO

EMERGENCY CONTACT (410) 354-0200

Generator/Shipper Certification Statement

As the generator or shipper, I hereby certify that this material is properly classified and does not contain Polychlorinated Biphenyls (PCB'S). To the best of my knowledge it has not been mixed, combined or blended in any amount with any other material defined as hazardous waste under applicable law. Generator/Shipper agrees to indemnify and hold Petroleum Management, Inc. harmless for any damages arising from or in any way relating to a breach of this Certification Statement.

X

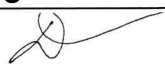
Generator/Shipper
Authorized Agent
(Print)

Date Of
Services

X

Generator/Shipper
Authorized Agent
(Signature)

HAULER/CARRIER INFORMATION

Co. Name Petroleum Management, Inc.			Driver Name (print) DMari Sellers
Street 5218 Curtis Avenue			Driver Signature 
City Baltimore	State MD	Zip 21226	Phone 4103540200

The above mentioned materials have been received by this facility and will be handled in accordance with all applicable rules and regulations. All quantities are subject to final verification by this facility and are indicated in far right box.

RECEIVING FACILITY ACCEPTANCE

Facility Name

Acceptance Signature

Phone

Total Quantity Received

Bates Middle School- Monitoring Well Gauging Table

MW-1 Top of Casing Elevation, 28.44'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
	12:40	14.31	18.65	4.34		9.79	
11/6/19	12:40	16.85	18.56	1.71	0.09	9.88	Post EFR
2/19/20	7:45	14.40	22.89	8.49	-4.33	5.55	
5/19/20	13:43	14.15	14.24	0.09	8.65	14.20	Genie skimmer pumps activated 4/29/20
7/30/20	10:30	15.21	15.25	0.04	-1.01	13.19	Gauged prior to 8/18/20 sampling.
11/18/20	8:30	13.71	13.73	0.02	1.52	14.71	
11/19/20	9:00	13.62	13.72	0.10	0.01	14.72	Genie skimmer pumps off for 24 hrs from 11
2/24/21	12:01	13.55	13.63	0.08	0.09	14.81	
5/19/21	13:28	13.85	13.86	0.01	-0.23	14.58	
6/23/21	13:14	14.05	14.06	0.01	-0.20	14.38	Genie skimmer pumps removed today at 13
6/30/21	9:20	13.86	14.12	0.26	-0.06	14.32	
7/7/21	9:37	13.91	14.26	0.35	-0.14	14.18	
7/14/21	11:46	13.93	14.41	0.48	-0.15	14.03	
7/27/21	10:45	14.04	14.92	0.88	-0.51	13.52	
8/11/21	13:30	14.12	15.52	1.40	-0.60	12.92	
8/24/21	13:31	14.17	15.83	1.66	-0.31	12.61	
9/8/21	10:43	14.10	15.68	1.58	0.15	12.76	
9/22/21	9:50	14.17	16.03	1.86	-0.35	12.41	
10/6/21	10:30	14.21	16.19	1.98	-0.16	12.25	*Bailed LPH from well (~1 gal) after gauging
10/6/21	11:00	16.63	16.95	0.32	-0.76	11.49	*gauged 30 minutes after bailing LPH
10/6/21	12:00	14.41	14.82	0.41	2.13	13.62	*gauged 60 minutes after bailing LPH
10/19/21	12:50	14.39	15.16	0.77	-0.34	13.28	
11/5/21	11:05	14.36	15.20	0.84	-0.04	13.24	
11/16/21	9:13	14.45	15.47	1.02	-0.27	12.97	
12/1/21	15:09	14.49	15.53	1.04	-0.06	12.91	
12/15/21	13:30	14.50	15.64	1.14	-0.11	12.80	
12/29/21	11:52	14.51	15.66	1.15	-0.02	12.78	
1/12/22	16:01	14.38	15.24	0.86	0.42	13.20	
1/25/22	12:00	14.21	14.94	0.73	0.30	13.50	*Week prior to Draw-Down Event
2/2/22	8:00	14.90	15.48	0.58	-0.54	12.96	*Morning prior to Draw Down Event
2/3/22	10:50	14.91	15.02	0.11	0.46	13.42	*Morning after Draw Down Event
2/4/22	6:10	13.78	14.23	0.45	0.79	14.21	*Day after Draw Down Event
2/9/22	13:25	14.53	15.44	0.91	-1.21	13.00	*Week after Draw Down Event
2/15/22	11:08	14.60	16.10	1.50	-0.66	12.34	*2 Weeks after Draw-Down Event
2/23/22	8:33	14.51	16.45	1.94	-0.35	11.99	*3 Weeks after Draw Down Event
4/13/22	11:05	14.12	14.18	0.06	2.27	14.26	QED skimmers re-activated on March 11, 20
5/25/22	14:27	14.22	14.28	0.06	-0.10	14.16	2nd quarter gauging event
6/30/22	10:35	14.65	14.65	0.00	-0.37	13.79	Monthly follow-up
7/20/22	7:15	14.39	14.4	0.01	0.25	14.04	Monthly follow-up
8/23/22	10:28	14.50	14.51	0.01	-0.11	13.93	3rd qtr gauging event
9/21/22	11:15	14.86	14.86	0.00	-0.35	13.58	No measurable LPH; <0.01'. Skimmer de-acti
9/29/22	8:05	14.64	14.68	0.04	0.18	13.76	Water levels increased with minimal LPH inc
10/5/22	12:45	14.46	14.5	0.04	0.18	13.94	Water levels increased following rain with n
10/18/22	1:15	14.50	14.61	0.11	-0.11	13.83	~2 weeks following rain event, water level d
11/3/22	10:00	15.08	15.12	0.04	-0.51	13.32	Skimmer pumps back in service since 10/18/
11/21/22	9:00	15.11	15.15	0.04	-0.03	13.29	Skimmer pumps removed per MDE approval
11/22/22	12:58	14.62	14.63	0.01	0.52	13.81	No skimmers operating, 4th Qtr gauging eve
12/1/22	9:30	14.68	14.71	0.03	-0.08	13.73	Weekly gauging, skimmers OOS
12/8/22	2:30	14.66	14.72	0.06	-0.01	13.72	Weekly gauging, skimmers OOS
12/15/22	11:15	14.51	14.58	0.07	0.14	13.86	Weekly gauging, skimmers OOS
12/21/22	10:30	14.06	14.29	0.23	0.29	14.15	Weekly gauging, skimmers OOS
2/1/23	13:10	13.94	15.74	1.80	-1.45	12.70	Monthly follow-up gauging, skimmers OOS
2/7/23	13:53	14.00	15.95	1.95	-0.21	12.49	Quarterly Gauging/Sampling event (1st Qtr.
2/15/23	9:48	14.00	15.95	1.95	0.00	12.49	
2/16/23	8:45	14.02	15.99	1.97	-0.04	12.45	Skimmer pumps put back in service today, 2
3/22/23	9:30	14.67	14.7	0.03	1.29	13.74	Continue montly gauging
4/26/23	13:45	14.61	15.1	0.49	-0.40	13.34	Continue montly gauging, AC had been off fc
5/24/23	11:50	14.60	14.64	0.04	0.46	13.80	Quarterly Gauging/Sampling event (2nd Qtr.
6/21/23	2:10	15.00	15.01	0.01	-0.37	13.43	Continue monthly gauging
7/19/23	1:15	15.10	15.12	0.02	-0.11	13.32	Continue monthly gauging
8/23/23	9:21	15.19	15.19	0.00	-0.07	13.25	Quarterly Gauging/Sampling event (3rd Qtr.
9/14/23	12:40	14.88	14.89	0.01	0.30	13.55	Skimmers remain OOS
9/28/23	7:15	14.87	14.91	0.04	-0.02	13.53	Skimmers OOS, but will plan to resume
10/31/23	11:45	15.46	15.47	0.01	-0.56	12.97	Skimmer returned to service Oct. 5, 2023
11/28/23	12:09	15.60	15.61	0.01	-0.14	12.83	Continue monthly gauging, 4th Qtr Sampling
1/23/24	14:39	14.20	14.21	0.01	1.40	14.23	Continue monthly gauging
2/21/24	13:37	14.15	14.15	0.00	0.06	14.29	Heavy Sheen only, <0.01', 1st Quarter sampl
4/10/24	9:45	13.72	13.72	0.00	0.43	14.72	Heavy Sheen only, <0.01'
5/7/24	10:45	13.82	13.82	0.00	-0.10	14.62	Sheen only, no measurable LPH
5/21/24	9:50	14.06	14.06	0.00	-0.24	14.38	Sheen only, no measurable LPH, 2nd Qtr. Sai
6/20/24	11:00	14.34	14.34	0.00	-0.28	14.10	No LPH

Bates Middle School- Monitoring Well Gauging Table

MW-2 Top of casing elevation, 28.17'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
11/6/19	12:43	15.02	15.54	0.52	0.26	12.63	Post EFR
2/19/20	7:47	14.16	14.41	0.25	1.13	13.76	
5/19/20	13:35	13.46	13.54	0.08	0.87	14.63	Genie skimmer pumps activated 4/29/20
7/30/20	10:35	13.94	13.98	0.04	-0.44	14.19	Gauged prior to 8/18/20 sampling.
11/18/20	8:30	13.07	13.10	0.03	0.88	15.07	
11/19/20	9:00	13.02	13.07	0.05	0.03	15.10	Genie skimmer pumps off for 24 hrs from 11
2/24/21	12:05	13.20	13.25	0.05	-0.18	14.92	
5/19/21	13:30	13.28	13.29	0.01	-0.04	14.88	
6/23/21	13:15	13.50	13.50	0.00	-0.21	14.67	Genie skimmer pumps removed today at 13
6/30/21	9:14	13.49	13.50	0.01	0.00	14.67	
7/7/21	9:32	13.51	13.55	0.04	-0.05	14.62	
7/14/21	11:50	13.54	13.58	0.04	-0.03	14.59	
7/27/21	10:48	13.64	13.71	0.07	-0.13	14.46	
8/11/21	13:28	13.72	13.79	0.07	-0.08	14.38	
8/24/21	13:35	13.76	13.82	0.06	-0.03	14.35	
9/8/21	10:40	13.69	13.71	0.02	0.11	14.46	
9/22/21	9:45	13.76	13.81	0.05	-0.10	14.36	
10/6/21	11:05	13.82	13.88	0.06	-0.07	14.29	
10/19/21	12:55	13.85	13.92	0.07	-0.04	14.25	
11/5/21	11:08	13.87	13.92	0.05	0.00	14.25	
11/16/21	9:02	13.95	14.03	0.08	-0.11	14.14	
12/1/21	15:16	13.96	14.19	0.23	-0.16	13.98	
12/15/21	13:26	13.96	14.26	0.30	-0.07	13.91	
12/29/21	11:59	13.97	14.28	0.31	-0.02	13.89	
1/12/22	16:01	13.91	14.41	0.50	-0.13	13.76	
1/25/22	12:05	13.76	14.2	0.44	0.21	13.97	*Week prior to Draw-Down Event
2/2/22	8:30	13.83	14.26	0.43	-0.06	13.91	*Morning prior to Draw Down Event
2/3/22	10:51	13.80	14.25	0.45	0.01	13.92	*Morning after Draw Down Event
2/4/22	6:12	14.82	14.99	0.17	-0.74	13.18	*Day after Draw Down Event
2/9/22	13:21	13.67	14.04	0.37	0.95	14.13	*Week after Draw Down Event
2/15/22	11:05	13.71	14.13	0.42	-0.09	14.04	*2 Weeks after Draw-Down Event
2/23/22	8:29	13.68	14.16	0.48	-0.03	14.01	*3 Weeks after Draw Down Event
4/13/22	11:10	13.48	13.5	0.02	0.66	14.67	QED skimmers re-activated on March 11, 20
5/25/22	14:30	13.52	13.53	0.01	-0.03	14.64	2nd quarter gauging event
6/30/22	10:37	13.85	13.85	0.00	-0.32	14.32	Monthly follow-up
7/20/22	7:15	13.69	13.7	0.01	0.15	14.47	Monthly follow-up
8/23/22	10:32	13.70	13.7	0.00	0.00	14.47	3rd qtr gauging event; LPH <0.01 only a heav
9/21/22	11:15	13.90	13.9	0.00	-0.20	14.27	No measurable LPH; <0.01'. Skimmer de-acti
9/29/22	8:05	13.88	13.91	0.03	-0.01	14.26	Water levels dropped slightly with minimal l
10/5/22	12:45	13.79	13.79	0.00	0.12	14.38	Water levels increased following rain with a
10/18/22	1:15	14.50	14.61	0.11	-0.82	13.56	~2 weeks following rain event, water level d
11/3/22	10:00	14.93	14.94	0.01	-0.33	13.23	Skimmer pumps back in service since 10/18/
11/21/22	9:00	13.95	13.96	0.01	0.98	14.21	Skimmer pumps removed per MDE approval
11/22/22	13:05	13.94	13.96	0.02	0.00	14.21	No skimmers operating, 4th Qtr gauging eve
12/1/22	9:30	13.93	14	0.07	-0.04	14.17	Weekly gauging, no skimmers
12/8/22	14:30	13.92	13.99	0.07	0.01	14.18	Weekly gauging, no skimmers
12/15/22	11:15	13.81	13.88	0.07	0.11	14.29	Weekly gauging, no skimmers
12/21/22	10:30	13.48	13.71	0.23	0.17	14.46	Weekly gauging, no skimmers
2/1/23	13:10	13.55	13.69	0.14	0.02	14.48	Monthly follow-up gauging, no skimmers
2/7/23	13:23	13.62	13.81	0.19	-0.12	14.36	Quarterly gauging/sampling event, 1st Qtr 2
2/15/23	9:48	13.62	13.81	0.19	0.00	14.36	
2/16/23	8:45	13.64	13.81	0.17	0.00	14.36	Skimmer pumps put back in service today, 2
3/22/23	9:30	13.75	13.76	0.01	0.05	14.41	Continue monthly gauging
4/26/23	13:45	13.86	13.88	0.02	-0.12	14.29	Continue monthly gauging. AC had been turt
5/24/23	11:50	13.79	13.8	0.01	0.08	14.37	Quarterly gauging/sampling event, 2nd Qtr :
6/21/23	2:10	13.93	13.94	0.01	-0.14	14.23	Continue monthly gauging
7/19/23	1:15	13.90	13.9	0.00	0.04	14.27	Continue monthly gauging
8/23/23	9:23	13.96	13.96	0.00	-0.06	14.21	Quarterly gauging/sampling event (3rd Qtr.
9/13/23	12:40	13.89	13.9	0.01	0.06	14.27	Skimmers remain OOS
9/28/23	7:15	13.89	14.49	0.60	-0.59	13.68	Skimmers OOS, but will plan to restore
10/31/23	11:45	14.19	14.2	0.01	0.29	13.97	Skimmers returned to service Oct. 5, 2023
11/28/23	12:11	14.39	14.4	0.01	-0.20	13.77	Continue monthly gauging, 4th Qtr. Samplin
1/23/24	14:39	13.47	13.49	0.02	0.91	14.68	Continue monthly gauging
2/21/24	13:37	13.5	13.5	0.00	-0.01	14.67	Heavy sheen only, <0.01'. 1st Qtr. Sampling
4/10/24	9:45	13.02	13.02	0.00	0.48	15.15	Heavy sheen only, <0.01'
5/7/24	10:45	13.26	13.26	0.00	-0.24	14.91	Sheen only, No measurable LPH.
5/21/24	9:55	13.38	13.38	0.00	-0.12	14.79	Sheen only, No measurable LPH. 2nd Qtr. Sa
6/20/24	11:05	13.72	13.72	0.00	-0.34	14.45	No LPH

Bates Middle School- Monitoring Well Gauging Table

MW-3 Top of casing elevation, 28.15'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:35	14.00	14.92	0.92		13.23	
11/6/19	12:47	15.06	15.08	0.02	-0.16	13.07	Post EFR
2/18/20	11:56	14.10	14.10	0.00	0.98	14.05	
5/19/20	13:03	14.40	14.40	0.00	-0.30	13.75	
8/18/20	9:25	13.75	13.75	0.00	0.65	14.40	
11/18/20	12:02	13.50	13.50	0.00	0.25	14.65	
2/24/21	11:27	13.87	13.87	0.00	-0.37	14.28	
5/19/21	12:58	13.63	13.63	0.00	0.24	14.52	
6/23/19	13:45	13.83	13.83	0.00	-0.20	14.32	
6/30/21	9:10	13.89	13.89	0.00	-0.06	14.26	
7/7/21	9:25	13.91	13.91	0.00	-0.02	14.24	
7/14/21	11:28	13.95	13.95	0.00	-0.04	14.20	
7/27/21	10:20	14.04	14.04	0.00	-0.09	14.11	
8/11/21	13:04	14.11	14.11	0.00	-0.07	14.04	
8/24/21	11:54	14.21	14.21	0.00	-0.10	13.94	
9/8/21	10:21	14.03	14.03	0.00	0.18	14.12	
9/22/21	9:23	14.11	14.11	0.00	-0.08	14.04	
10/6/21	11:14	14.17	14.17	0.00	-0.06	13.98	
10/19/21	12:28	14.21	14.21	0.00	-0.04	13.94	
11/5/21	10:35	14.22	14.22	0.00	-0.01	13.93	
11/16/21	8:58	14.27	14.27	0.00	-0.05	13.88	
12/1/21	15:00	14.32	14.32	0.00	-0.05	13.83	
12/15/21	13:03	14.33	14.33	0.00	-0.01	13.82	
12/29/21	11:20	14.34	14.34	0.00	-0.01	13.81	
1/12/22	14:44	14.20	14.20	0.00	0.14	13.95	
1/25/22	14:30	14.19	14.19	0.00	0.01	13.96	*Week prior to Draw Down Event
2/2/22		14.25	14.25	0.00	-0.06	13.90	*Morning prior to Draw Down Event
2/3/22	10:30	14.15	14.15	0.00	0.10	14.00	*Morning after Draw Down Event
2/4/22	6:20	14.12	14.12	0.00	0.03	14.03	*Day after Draw Down Event
2/9/22	13:07	14.00	14.00	0.00	0.12	14.15	*Week after Draw Down Event
2/15/22	10:28	14.09	14.09	0.00	-0.09	14.06	*2 Weeks after Draw Down Event
2/23/22	8:00	14.06	14.06	0.00	0.03	14.09	*3 Weeks after Draw Down Event
4/13/22	11:41	13.68	13.68	0.00	0.38	14.47	
5/25/22	8:49	13.80	13.80	0.00	-0.12	14.35	2nd qtr sampling event
8/23/22	10:12	13.98	13.98	0.00	-0.18	14.17	3rd qtr samling event
11/22/22	10:03	14.18	14.18	0.00	-0.20	13.97	4th qtr sampling event
2/7/23	11:05	14.51	14.51	0.00	-0.33	13.64	1st qtr 2023 sampling event
5/24/23	9:45	14.05	14.05	0.00	0.46	14.10	2nd qtr sampling event
8/23/23	8:55	14.36	14.36	0.00	-0.31	13.79	3rd qtr samling event
11/28/23	9:46	14.51	14.51	0.00	-0.15	13.64	4th qtr sampling event
2/21/24	10:46	13.70	13.70	0.00	0.81	14.45	1st qtr 2024 sampling event
5/21/24	10:18	13.72	13.72	0.00	-0.02	14.43	2nd qtr sampling event

Bates Middle School- Monitoring Well Gauging Table

MW-4 Top of casing elevation, 27.64'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:31	13.19	13.19	0.00		14.45	
11/6/19	7:44	13.52	13.52	0.00	-0.33	14.12	
2/18/20	11:26	13.15	13.15	0.00	0.37	14.49	
5/19/20	10:38	13.11	13.11	0.00	0.04	14.53	
8/18/20	9:17	12.91	12.91	0.00	0.20	14.73	
11/18/20	10:18	12.64	12.64	0.00	0.27	15.00	
2/24/21	9:41	12.21	12.21	0.00	0.43	15.43	
5/19/21	11:22	12.71	12.71	0.00	-0.50	14.93	
6/23/21	13:38	12.84	12.84	0.00	-0.13	14.80	
6/30/21	8:48	12.89	12.89	0.00	-0.05	14.75	
7/7/21	8:47	12.90	12.90	0.00	-0.01	14.74	
7/14/21	11:23	12.92	12.92	0.00	-0.02	14.72	
7/27/21	10:15	12.99	12.99	0.00	-0.07	14.65	
8/11/21	13:10	12.98	12.98	0.00	0.01	14.66	
8/24/21	12:06	13.59	13.59	0.00	-0.61	14.05	
9/8/21	10:22	12.82	12.82	0.00	0.77	14.82	
9/22/21	9:24	12.85	12.85	0.00	-0.03	14.79	
10/6/21	11:17	12.87	12.87	0.00	-0.02	14.77	
10/19/21	12:33	12.90	12.90	0.00	-0.03	14.74	
11/5/21	10:37	12.88	12.88	0.00	0.02	14.76	
11/16/21	8:15	12.94	12.94	0.00	-0.06	14.70	
12/1/21	14:25	13.01	13.01	0.00	-0.07	14.63	
12/15/21	13:07	13.01	13.01	0.00	0.00	14.63	
12/29/21	11:24	13.03	13.03	0.00	-0.02	14.61	
1/12/22	14:36	12.78	12.78	0.00	0.25	14.86	
1/25/22	14:33	12.77	12.77	0.00	0.01	14.87	*Week prior to Draw Down Event
2/9/22	13:03	12.59	12.59	0.00	0.18	15.05	*Week after Draw Down Event
2/15/22	10:31	12.69	12.69	0.00	-0.10	14.95	*2 Weeks after Draw Down Event
2/23/22	8:02	12.66	12.66	0.00	0.03	14.98	*3 Weeks after Draw Down Event
4/13/22	11:37	12.42	12.42	0.00	0.24	15.22	
5/25/22	8:24	12.52	12.52	0.00	-0.10	15.12	2nd qtr sampling event
8/23/22	10:08	12.58	12.58	0.00	-0.06	15.06	3rd qtr sampling event
11/22/22	9:56	12.75	12.75	0.00	-0.17	14.89	4th qtr sampling event
2/7/23	10:23	12.70	12.70	0.00	0.05	14.94	1st qtr 2023 sampling event

***MW-4 no longer in service-Abandoned 2-16-23**

Bates Middle School- Monitoring Well Gauging Table

MW-5 Top of casing elevation, 28.57'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:06	18.50	18.50	0.00		10.07	
11/6/19	12:03	18.49	18.49	0.00	0.01	10.08	
2/18/20	13:27	17.71	17.71	0.00	0.78	10.86	
5/19/20	11:34	17.91	17.91	0.00	-0.20	10.66	
8/18/20	11:54	17.76	17.76	0.00	0.15	10.81	
11/18/20	11:10	17.37	17.37	0.00	0.39	11.20	
2/24/21	11:36	16.91	16.91	0.00	0.46	11.66	
5/19/21	12:01	17.78	17.78	0.00	-0.87	10.79	
6/23/21	13:50	17.96	17.96	0.00	-0.18	10.61	
6/23/21	9:05	18.02	18.02	0.00	-0.06	10.55	
7/7/21	9:10	17.98	17.98	0.00	0.04	10.59	
7/14/21	11:42	18.07	18.07	0.00	-0.09	10.50	
7/27/21	10:28	18.21	18.21	0.00	-0.14	10.36	
8/11/21	12:56	18.29	18.29	0.00	-0.08	10.28	
8/24/21	11:10	18.31	18.31	0.00	-0.02	10.26	
9/8/21	10:06	18.09	18.09	0.00	0.22	10.48	
9/22/21	9:10	18.28	18.28	0.00	-0.19	10.29	
10/6/21	11:30	18.30	18.30	0.00	-0.02	10.27	
10/19/21	12:19	18.35	18.35	0.00	-0.05	10.22	
11/5/21	10:22	18.14	18.14	0.00	0.21	10.43	
11/16/21	8:29	18.24	18.24	0.00	-0.10	10.33	
12/1/21	14:38	18.29	18.29	0.00	-0.05	10.28	
12/15/21	12:55	18.30	18.30	0.00	-0.01	10.27	
12/29/21	11:10	18.32	18.32	0.00	-0.02	10.25	
1/12/22	14:56	17.84	17.84	0.00	0.48	10.73	
1/25/22	14:24	18.00	18.00	0.00	-0.16	10.57	*Week prior to Draw Down Event
2/2/22		17.90	17.90	0.00	0.10	10.67	*Morning prior to Draw Down Event
2/3/22	10:23	17.90	17.90	0.00	0.00	10.67	*Morning after Draw Down Event
2/4/22	6:25	17.79	17.79	0.00	0.11	10.78	*Day after Draw Down Event
2/9/22	12:51	17.64	17.64	0.00	0.15	10.93	*Week after Draw Down Event
2/15/22	10:20	17.86	17.86	0.00	-0.22	10.71	*2 Weeks after Draw Down Event
2/23/22	7:37	17.91	17.91	0.00	-0.05	10.66	*3 Weeks after Draw Down Event
4/13/22	11:44	17.52	17.52	0.00	0.39	11.05	
5/25/22	8:30	17.83	17.83	0.00	-0.31	10.74	2nd qtr sampling event
8/23/22	10:24	18.29	18.29	0.00	-0.46	10.28	3rd qtr sampling event
11/22/22	9:15	18.25	18.25	0.00	0.04	10.32	4th qtr sampling event
2/7/23	11:25	18.01	18.01	0.00	0.24	10.56	1st qtr 2023 sampling event
5/24/23	9:02	18.39	18.39	0.00	-0.38	10.18	2nd qtr sampling event
8/23/23	8:42	18.71	18.71	0.00	-0.32	9.86	3rd qtr sampling event
11/28/23	9:52	18.61	18.61	0.00	0.10	9.96	4th qtr sampling event
2/21/24	12:07	17.93	17.93	0.00	0.68	10.64	1st qtr 2024 sampling event
5/21/24	10:12	18.05	18.05	0.00	-0.12	10.52	2nd qtr sampling event
6/20/24	8:30	18.48	18.48	0.00	-0.43	10.09	Gauged prior to well abandonment 6-20-24

Bates Middle School- Monitoring Well Gauging Table
 MW-6 Top of casing elevation, 26.96'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:26	12.32	12.32	0.00		14.64	
11/6/19	7:47	12.55	12.55	0.00	-0.23	14.41	
2/18/20	11:50	12.03	12.03	0.00	0.52	14.93	
5/19/20	12:38	12.36	12.36	0.00	-0.33	14.60	
8/18/20	9:20	11.79	11.79	0.00	0.57	15.17	
11/18/20	10:12	12.02	12.02	0.00	-0.23	14.94	
2/24/21	9:45	11.65	11.65	0.00	0.37	15.31	
5/19/21	11:38	12.66	12.66	0.00	-1.01	14.30	
6/23/21	13:40	12.00	12.00	0.00	0.66	14.96	
6/30/21	8:52	12.22	12.22	0.00	-0.22	14.74	
7/7/21	8:51	12.24	12.24	0.00	-0.02	14.72	
7/14/21	11:25	12.29	12.29	0.00	-0.05	14.67	
7/27/21	10:17	12.37	12.37	0.00	-0.08	14.59	
8/11/21	13:07	12.41	12.41	0.00	-0.04	14.55	
8/24/21	11:48	12.47	12.47	0.00	-0.06	14.49	
9/8/21	10:20	12.30	12.30	0.00	0.17	14.66	
9/22/21	9:20	12.39	12.39	0.00	-0.09	14.57	
10/6/21	11:15	12.44	12.44	0.00	-0.05	14.52	
10/19/21	12:29	12.48	12.48	0.00	-0.04	14.48	
11/5/21	10:38	12.45	12.45	0.00	0.03	14.51	
11/16/21	8:36	12.52	12.52	0.00	-0.07	14.44	
12/1/21	14:31	12.55	12.55	0.00	-0.03	14.41	
12/15/21	13:05	12.54	12.54	0.00	0.01	14.42	
12/29/21	11:23	12.55	12.55	0.00	-0.01	14.41	
1/12/22	14:40	12.33	12.33	0.00	0.22	14.63	
1/25/22	14:32	12.39	12.39	0.00	-0.06	14.57	*Week prior to Draw Down Event
2/9/22	13:05	12.18	12.18	0.00	0.21	14.78	*Week after Draw Down Event
2/15/22	10:29	12.32	12.32	0.00	-0.14	14.64	*2 Weeks after Draw Down Event
2/23/22	8:12	12.30	12.30	0.00	0.02	14.66	*3 Weeks after Draw Down Event
4/13/22	11:39	12.04	12.04	0.00	0.26	14.92	
5/25/22	8:26	12.17	12.17	0.00	-0.13	14.79	2nd qtr sampling event
8/23/22	10:10	12.31	12.31	0.00	-0.14	14.65	3rd qtr sampling event
11/22/22	10:00	12.47	12.47	0.00	-0.16	14.49	4th qtr sampling event
2/7/23	10:53	12.96	12.96	0.00	-0.49	14.00	1st qtr 2023 sampling event
5/24/23	9:43	12.57	12.57	0.00	0.39	14.39	2nd qtr sampling event
8/23/23	9:04	12.93	12.93	0.00	-0.36	14.03	3rd qtr sampling event
11/28/23	9:42	12.88	12.88	0.00	0.05	14.08	4th qtr sampling event
2/21/24	10:50	12.12	12.12	0.00	0.76	14.84	1st qtr 2024 sampling event
5/21/24	10:21	12.27	12.27	0.00	-0.15	14.69	2nd qtr sampling event
6/20/24	8:40	12.12	12.12	0.00	0.15	14.84	Gauged prior to well abandonment 6-20-24

Bates Middle School- Monitoring Well Gauging Table

MW-7 Top of casing elevation, 25.85'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:21	12.12	12.12	0.00		13.73	
11/6/19	9:35	12.19	12.19	0.00	-0.07	13.66	
2/18/20	10:17	12.12	12.12	0.00	0.07	13.73	
5/19/20	9:10	12.07	12.07	0.00	0.05	13.78	
8/18/20	9:00	11.85	11.85	0.00	0.22	14.00	
11/18/20	9:28	11.75	11.75	0.00	0.10	14.10	
2/24/21	9:25	11.62	11.62	0.00	0.13	14.23	
5/19/21	10:23	11.90	11.90	0.00	-0.28	13.95	
6/23/21	13:22	12.01	12.01	0.00	-0.11	13.84	
6/30/21	8:36	12.01	12.01	0.00	0.00	13.84	
7/7/21	8:27	12.02	12.02	0.00	-0.01	13.83	
7/14/21	11:13	12.05	12.05	0.00	-0.03	13.80	
7/27/21	10:05	12.12	12.12	0.00	-0.07	13.73	
8/11/21	13:17	12.16	12.16	0.00	-0.04	13.69	
8/24/21	13:18	12.41	12.41	0.00	-0.25	13.44	
9/8/21	10:30	12.05	12.05	0.00	0.36	13.80	
9/22/21	9:31	12.14	12.14	0.00	-0.09	13.71	
10/6/21	11:41	12.19	12.19	0.00	-0.05	13.66	
10/19/21	12:38	12.23	12.23	0.00	-0.04	13.62	
11/5/21	10:54	12.20	12.20	0.00	0.03	13.65	
11/16/21	7:55	12.28	12.28	0.00	-0.08	13.57	
12/1/21	14:14	12.31	12.31	0.00	-0.03	13.54	
12/15/21	13:15	12.32	12.32	0.00	-0.01	13.53	
12/29/21	11:35	12.33	12.33	0.00	-0.01	13.52	
1/12/22	14:23	12.19	12.19	0.00	0.14	13.66	
1/25/22	14:41	12.20	12.20	0.00	-0.01	13.65	*Week prior to Draw Down Event
2/9/22	13:11	12.03	12.03	0.00	0.17	13.82	*Week after Draw Down Event
2/15/22	10:48	12.14	12.14	0.00	-0.11	13.71	*2 Weeks after Draw Down Event
2/23/22	8:20	12.13	12.13	0.00	0.01	13.72	*3 Weeks after Draw Down Event
4/13/22	11:38	11.91	11.91	0.00	0.22	13.94	
5/25/22	8:18	11.97	11.97	0.00	-0.06	13.88	2nd qtr sampling event
8/23/22	9:53	12.10	12.10	0.00	-0.13	13.75	3rd qtr sampling event
11/22/22	9:38	12.25	12.25	0.00	-0.15	13.60	4th qtr sampling event
2/7/23	9:43	12.20	12.20	0.00	0.05	13.65	1st qtr 2023 sampling event
5/24/23	9:54	12.27	12.27	0.00	-0.07	13.58	2nd qtr sampling event
8/23/23	8:15	12.51	12.51	0.00	-0.24	13.34	3rd qtr sampling event
11/28/23	9:17	12.54	12.54	0.00	-0.03	13.31	4th qtr sampling event
2/21/24	10:37	11.95	11.95	0.00	0.59	13.90	1st qtr 2024 sampling event
5/21/24	10:34	11.99	11.99	0.00	-0.04	13.86	2nd qtr sampling event
6/20/24	8:50	12.20	12.20	0.00	-0.21	13.65	Gauged prior to well abandonment 6-20-24

Bates Middle School- Monitoring Well Gauging Table

MW-8 Top of casing elevation, 27.15'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:12	16.20	16.20	0.00		10.95	
11/6/19	7:50	16.36	16.36	0.00	-0.16	10.79	
2/18/20	12:44	15.80	15.80	0.00	0.56	11.35	
5/19/20	12:16	15.85	15.85	0.00	-0.05	11.30	
8/18/20	12:22	15.83	15.83	0.00	0.02	11.32	
11/18/20	12:07	15.56	15.56	0.00	0.27	11.59	
2/24/21	11:32	15.03	15.03	0.00	0.53	12.12	
5/19/21	12:38	15.93	15.93	0.00	-0.90	11.22	
6/23/21	13:48	15.90	15.90	0.00	0.03	11.25	
6/30/21	8:55	15.97	15.97	0.00	-0.07	11.18	
7/7/21	8:56	15.93	15.93	0.00	0.04	11.22	
7/14/21	11:32	16.01	16.01	0.00	-0.08	11.14	
7/27/21	10:25	16.14	16.14	0.00	-0.13	11.01	
8/11/21	12:58	16.19	16.19	0.00	-0.05	10.96	
8/24/21	11:28	16.23	16.23	0.00	-0.04	10.92	
9/8/21	10:15	16.00	16.00	0.00	0.23	11.15	
9/22/21	9:14	16.17	16.17	0.00	-0.17	10.98	
10/6/21	11:32	16.19	16.19	0.00	-0.02	10.96	
10/19/21	12:25	16.24	16.24	0.00	-0.05	10.91	
11/5/21	10:29	16.04	16.04	0.00	0.20	11.11	
11/16/21	8:42	16.16	16.16	0.00	-0.12	10.99	
12/1/21	14:49	16.28	16.28	0.00	-0.12	10.87	
12/15/21	12:59	16.21	16.21	0.00	0.07	10.94	
12/29/21	11:15	16.25	16.25	0.00	-0.04	10.90	
1/12/22	14:48	15.75	15.75	0.00	0.50	11.40	
1/25/22	14:26	15.91	15.91	0.00	-0.16	11.24	*Week prior to Draw Down Event
2/2/22		15.89	15.89	0.00	0.02	11.26	*Morning prior to Draw Down Event
2/3/22	10:24	15.82	15.82	0.00	0.07	11.33	*Morning after Draw Down Event
2/4/22	6:30	15.67	15.67	0.00	0.15	11.48	*Day after Draw Down Event
2/9/22	12:55	15.58	15.58	0.00	0.09	11.57	*Week after Draw Down Event
2/15/22	10:22	15.81	15.81	0.00	-0.23	11.34	*2 Weeks after Draw Down Event
2/23/22	7:40	15.82	15.82	0.00	-0.01	11.33	*3 Weeks after Draw Down Event
4/13/22	11:43	15.45	15.45	0.00	0.37	11.70	
5/25/22	9:06	16.04	16.04	0.00	-0.59	11.11	2nd qtr samling event
8/23/22	10:18	16.20	16.20	0.00	-0.16	10.95	3rd qtr sampling event
11/22/22	9:24	16.11	16.11	0.00	0.09	11.04	4th qtr sampling event
2/7/23	11:15	16.10	16.10	0.00	0.01	11.05	1st qtr 2023 sampling event
5/24/23	9:15	16.16	16.16	0.00	-0.06	10.99	2nd qtr sampling event
8/23/23	8:46	16.54	16.54	0.00	-0.38	10.61	3rd qtr sampling event
11/28/23	9:30	16.46	16.46	0.00	0.08	10.69	4th qtr sampling event
2/21/24	12:04	15.89	15.89	0.00	0.57	11.26	1st qtr 2024 sampling event
5/21/24	10:14	15.83	15.83	0.00	0.06	11.32	2nd qtr. Sampling event

Bates Middle School- Monitoring Well Gauging Table

MW-10 Top of casing elevation, 27.96'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:15	10.45	10.45	0.00		17.51	
11/6/19	7:41	11.10	11.10	0.00	-0.65	16.86	
2/18/20	10:55	10.85	10.85	0.00	0.25	17.11	
5/19/20	10:12	10.93	10.93	0.00	-0.08	17.03	
8/18/20	9:15	11.06	11.06	0.00	-0.13	16.90	
11/18/20	10:49	10.79	10.79	0.00	0.27	17.17	
2/24/21	9:37	10.49	10.49	0.00	0.30	17.47	
5/19/21	11:03	10.88	10.88	0.00	-0.39	17.08	
6/23/19	13:35	11.15	11.15	0.00	-0.27	16.81	
6/30/21	8:46	11.32	11.32	0.00	-0.17	16.64	
7/7/21	8:40	11.34	11.34	0.00	-0.02	16.62	
7/14/21	11:20	11.40	11.40	0.00	-0.06	16.56	
7/27/21	10:12	11.50	11.50	0.00	-0.10	16.46	
8/11/21	13:12	11.59	11.59	0.00	-0.09	16.37	
8/24/21	12:08	11.66	11.66	0.00	-0.07	16.30	
9/8/21	10:24	11.20	11.20	0.00	0.46	16.76	
9/22/21	9:27	11.50	11.50	0.00	-0.30	16.46	
10/6/21	11:19	11.58	11.58	0.00	-0.08	16.38	
10/19/21	12:35	11.62	11.62	0.00	-0.04	16.34	
11/5/21	10:40	11.59	11.59	0.00	0.03	16.37	
11/16/21	8:10	11.64	11.64	0.00	-0.05	16.32	
12/1/21	14:23	11.58	11.58	0.00	0.06	16.38	
12/15/21	13:10	11.62	11.62	0.00	-0.04	16.34	
12/29/21	11:26	11.63	11.63	0.00	-0.01	16.33	
1/12/22	14:33	11.42	11.42	0.00	0.21	16.54	
1/25/22	14:35	11.26	11.26	0.00	0.16	16.70	*Week prior to Draw Down Event
2/9/22	13:01	11.21	11.21	0.00	0.05	16.75	*Week after Draw Down Event
2/15/22	10:32	11.35	11.35	0.00	-0.14	16.61	*2 Weeks after Draw Down Event
2/23/22	8:15	11.32	11.32	0.00	0.03	16.64	*3 Weeks after Draw Down Event
4/13/22	11:34	11.04	11.04	0.00	0.28	16.92	
5/25/22	8:21	11.14	11.14	0.00	-0.10	16.82	2nd qtr sampling event
8/23/22	10:06	11.19	11.19	0.00	-0.05	16.77	3rd qtr sampling event
11/22/22	9:52	11.41	11.41	0.00	-0.22	16.55	4th qtr sampling event
2/7/23	10:14	11.13	11.13	0.00	0.28	16.83	1st qtr 2023 sampling event

*MW-10 no longer present-Abandoned on 2-16-23

Bates Middle School- Monitoring Well Gauging Table

MDE-1 Top of casing elevation, 27.45'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPB thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	9:15	17.90	17.90	0.00		9.55	
11/6/19	11:45	17.89	17.89	0.00	0.01	9.56	
2/18/20	14:28	17.27	17.27	0.00	0.62	10.18	
5/19/20	11:09	17.39	17.39	0.00	-0.12	10.06	
8/18/20	12:05	17.28	17.28	0.00	0.11	10.17	
11/18/20	11:34	17.14	17.14	0.00	0.14	10.31	
2/24/21	11:38	16.56	16.56	0.00	0.58	10.89	
5/19/21	12:19	17.56	17.56	0.00	-1.00	9.89	
6/23/21	13:55	17.75	17.75	0.00	-0.19	9.70	
6/30/21	9:08	17.80	17.80	0.00	-0.05	9.65	
7/7/21	9:00	17.74	17.74	0.00	0.06	9.71	
7/14/21	11:36	17.85	17.85	0.00	-0.11	9.60	
7/27/21	10:30	17.99	17.99	0.00	-0.14	9.46	
8/11/21	12:49	18.07	18.07	0.00	-0.08	9.38	
8/24/21	10:56	17.96	17.96	0.00	0.11	9.49	
9/8/21	10:03	17.83	17.83	0.00	0.13	9.62	
9/22/21	9:01	18.02	18.02	0.00	-0.19	9.43	
10/6/21	11:24	18.04	18.04	0.00	-0.02	9.41	
10/19/21	12:16	18.09	18.09	0.00	-0.05	9.36	
11/5/21	10:19	17.84	17.84	0.00	0.25	9.61	
11/16/21	8:22	17.95	17.95	0.00	-0.11	9.50	
12/1/21	14:34	17.98	17.98	0.00	-0.03	9.47	
12/15/21	12:48	18.00	18.00	0.00	-0.02	9.45	
12/29/21	11:03	18.01	18.01	0.00	-0.01	9.44	
1/12/22	14:52	17.51	17.51	0.00	0.50	9.94	
1/25/22	14:18	17.54	17.54	0.00	-0.03	9.91	*Week prior to Draw Down Event
2/9/22	12:48	17.32	17.32	0.00	0.22	10.13	*Week after Draw Down Event
2/15/22	10:17	17.52	17.52	0.00	-0.20	9.93	*2 Weeks after Draw Down Event
2/23/22	7:08	17.59	17.59	0.00	-0.07	9.86	*3 weeks after Draw Down Event
4/13/22	11:46	18.21	18.21	0.00	-0.62	9.24	
5/25/22	8:34	17.55	17.55	0.00	0.66	9.90	2nd qtr. Sampling event
8/23/22	10:22	17.99	17.99	0.00	-0.44	9.46	3rd qtr sampling event
11/22/22	8:36	17.81	17.81	0.00	0.18	9.64	4th qtr sampling event
2/7/23	11:54	17.79	17.79	0.00	0.02	9.66	1st qtr sampling event
5/24/23	8:36	17.95	17.95	0.00	-0.16	9.50	2nd qtr. Sampling event
8/23/23	8:40	18.30	18.30	0.00	-0.35	9.15	3rd qtr sampling event
11/28/23	9:58	18.10	18.10	0.00	0.20	9.35	4th qtr sampling event
2/21/24	12:21	17.36	17.36	0.00	0.74	10.09	1st qtr 2024 sampling event
5/21/24	10:09	17.54	17.54	0.00	-0.18	9.91	2nd qtr. Sampling event

Bates Middle School- Monitoring Well Gauging Table

MDE-2 Top of casing elevation, 26.03'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:18	11.05	11.05	0.00		14.98	
11/6/19		11.26	11.26	0.00	-0.21	14.77	
2/18/20	10:31	10.75	10.75	0.00	0.51	15.28	
5/19/20	9:42	11.18	11.18	0.00	-0.43	14.85	
8/18/20	9:11	10.36	10.36	0.00	0.82	15.67	
11/18/20	9:50	10.76	10.76	0.00	-0.40	15.27	
2/24/21	9:27	10.50	10.50	0.00	0.26	15.53	
5/19/21	10:44	11.00	11.00	0.00	-0.50	15.03	
6/23/21	13:32	11.04	11.04	0.00	-0.04	14.99	
6/30/20	8:40	11.13	11.13	0.00	-0.09	14.90	
7/7/21	8:36	11.15	11.15	0.00	-0.02	14.88	
7/14/21	11:16	11.18	11.18	0.00	-0.03	14.85	
7/27/21	10:08	11.26	11.26	0.00	-0.08	14.77	
8/11/21	13:15	11.30	11.30	0.00	-0.04	14.73	
8/24/21	13:20	11.36	11.36	0.00	-0.06	14.67	
9/8/21	10:33	11.06	11.06	0.00	0.30	14.97	
9/22/21	9:34	11.29	11.29	0.00	-0.23	14.74	
10/6/21	11:43	11.33	11.33	0.00	-0.04	14.70	
10/19/21	12:43	11.37	11.37	0.00	-0.04	14.66	
11/5/21	10:57	11.30	11.30	0.00	0.07	14.73	
11/16/21	8:02	11.43	11.43	0.00	-0.13	14.60	
12/1/21	14:19	11.97	11.97	0.00	-0.54	14.06	
12/15/21	13:18	12.46	12.46	0.00	-0.49	13.57	
12/29/21	11:38	12.48	12.48	0.00	-0.02	13.55	
1/12/22	14:28	11.33	11.33	0.00	1.15	14.70	
1/25/22	14:39	11.29	11.29	0.00	0.04	14.74	*Week prior to Draw Down Event
2/9/22	13:12	11.20	11.20	0.00	0.09	14.83	*Week after Draw Down Event
2/15/22	10:50	11.27	11.27	0.00	-0.07	14.76	*2 Weeks after Draw Down Event
2/23/22	8:21	11.27	11.27	0.00	0.00	14.76	*3 Weeks after Draw Down Event
4/13/22	11:40	11.01	11.01	0.00	0.26	15.02	
5/25/22	8:15	11.11	11.11	0.00	-0.10	14.92	2nd qtr. Sampling event
8/23/22	10:00	11.16	11.16	0.00	-0.05	14.87	3rd qtr sampling event
11/22/22	9:42	11.38	11.38	0.00	-0.22	14.65	4th qtr sampling event
2/7/23	9:28	11.25	11.25	0.00	0.13	14.78	1st qtr 2023 sampling event
5/24/23	11:40	11.41	11.41	0.00	-0.16	14.62	2nd qtr. Sampling event
8/23/23	8:19	11.60	11.60	0.00	-0.19	14.43	3rd qtr sampling event
11/28/23	9:22	11.61	11.61	0.00	-0.01	14.42	4th qtr sampling event
2/21/24	10:41	11.05	11.05	0.00	0.56	14.98	1st qtr 2024 sampling event
5/21/24	10:35	11.10	11.10	0.00	-0.05	14.93	2nd qtr. Sampling event

Bates Middle School- Monitoring Well Gauging Table

MDE-3 Top of casing elevation, 13.39'

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:25	2.15	2.15	0.00		11.24	
11/6/19	8:56	2.15	2.15	0.00	0.00	11.24	
2/18/20	9:31	1.54	1.54	0.00	0.61	11.85	
5/19/20	8:31	1.61	1.61	0.00	-0.07	11.78	
8/18/20	8:55	1.40	1.40	0.00	0.21	11.99	
11/18/20	9:05	1.22	1.22	0.00	0.18	12.17	
2/24/21	8:55	0.75	0.75	0.00	0.47	12.64	
5/19/21	10:00	1.63	1.63	0.00	-0.88	11.76	
6/23/19	13:18	1.86	1.86	0.00	-0.23	11.53	
6/30/21	8:29	1.92	1.92	0.00	-0.06	11.47	
7/7/21	8:19	1.84	1.84	0.00	0.08	11.55	
7/14/21	11:08	1.95	1.95	0.00	-0.11	11.44	
7/27/21	9:58	2.10	2.10	0.00	-0.15	11.29	
8/11/21	13:21	2.15	2.15	0.00	-0.05	11.24	
8/24/21	13:15	2.12	2.12	0.00	0.03	11.27	
9/8/21	10:45	1.93	1.93	0.00	0.19	11.46	
9/22/21	9:42	2.13	2.13	0.00	-0.20	11.26	
10/6/21	11:51	2.10	2.10	0.00	0.03	11.29	
10/19/21	12:45	2.17	2.17	0.00	-0.07	11.22	
11/5/21	11:01	1.92	1.92	0.00	0.25	11.47	
11/16/21	7:32	2.05	2.05	0.00	-0.13	11.34	
12/1/21	14:04	2.19	2.19	0.00	-0.14	11.20	
12/15/21	13:22	2.15	2.15	0.00	0.04	11.24	
12/29/22	11:45	2.15	2.15	0.00	0.00	11.24	
1/12/22	14:18	1.61	1.61	0.00	0.54	11.78	
1/25/22	14:47	1.64	1.64	0.00	-0.03	11.75	*Week prior to Draw Down Event
2/9/22	13:17	1.36	1.36	0.00	0.28	12.03	*Week after Draw Down Event
2/15/22	10:54	1.68	1.68	0.00	-0.32	11.71	*2 Weeks after Draw Down Event
2/23/22	8:25	1.71	1.71	0.00	-0.03	11.68	*3 Weeks after Draw Down Event
4/13/22	11:32	1.30	1.30	0.00	0.41	12.09	
5/25/22	8:03	1.51	1.51	0.00	-0.21	11.88	2nd qtr. Sampling event
8/23/22	9:24	1.93	1.93	0.00	-0.42	11.46	3rd qtr sampling event
11/22/22	9:33	1.96	1.96	0.00	-0.03	11.43	4th qtr sampling event
2/7/23	8:55	1.55	1.55	0.00	0.41	11.84	1st qtr 2023 sampling event
5/24/23	10:38	2.12	2.12	0.00	-0.57	11.27	2nd qtr. Sampling event
8/23/23	8:25	2.47	2.47	0.00	-0.35	10.92	3rd qtr sampling event
11/28/23	9:11	2.30	2.30	0.00	0.17	11.09	4th qtr sampling event
2/21/24	10:27	1.58	1.58	0.00	0.72	11.81	1st qtr 2024 sampling event
5/21/24	10:40	1.85	1.85	0.00	-0.27	11.54	2nd qtr. Sampling event

Bates Middle School- Monitoring Well Gauging Table

TF-1 Top of casing elevation, 28.35'

Tank field observation well (pre-existing), **ONLY 14 ft deep.**

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPD thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:03	13.71	13.71	0.00		14.64	
11/6/19	12:10	13.85	13.85	0.00	-0.14	14.50	
2/18/20	13:58	13.79	13.79	0.00	0.06	14.56	
5/19/20	12:06	13.78	13.78	0.00	0.01	14.57	
8/18/20	12:10	13.81	13.81	0.00	-0.03	14.54	
11/19/20	9:26	13.61	13.61	0.00	0.20	14.74	
2/24/21	9:05	13.72	13.72	0.00	-0.11	14.63	
5/19/21	13:18	13.75	13.75	0.00	-0.03	14.60	
6/23/19	13:57	13.76	13.76	0.00	-0.01	14.59	
6/30/21	9:02	13.76	13.76	0.00	0.00	14.59	
7/7/21	9:16	13.76	13.76	0.00	0.00	14.59	
7/14/21	11:40	13.75	13.75	0.00	0.01	14.60	
7/27/21	10:36	13.75	13.75	0.00	0.00	14.60	
8/11/21	12:54	13.76	13.76	0.00	-0.01	14.59	
8/24/21	10:20	13.77	13.77	0.00	-0.01	14.58	
9/8/21	10:09	13.77	13.77	0.00	0.00	14.58	
9/22/21	9:08	13.78	13.78	0.00	-0.01	14.57	
10/6/21	11:25	13.78	13.78	0.00	0.00	14.57	
10/19/21	12:25	13.79	13.79	0.00	-0.01	14.56	
11/5/21	10:25	13.77	13.77	0.00	0.02	14.58	
11/16/21	8:48	13.79	13.79	0.00	-0.02	14.56	
12/1/21	14:41	13.80	13.80	0.00	-0.01	14.55	
12/15/21	12:50	13.80	13.80	0.00	0.00	14.55	
12/29/21	11:08	13.81	13.81	0.00	-0.01	14.54	
1/12/22	15:07	13.83	13.83	0.00	-0.02	14.52	well dry
1/25/22	14:21	13.82	13.82	0.00	0.01	14.53	*Week prior to Draw Down Event
2/23/22	7:38	13.99	13.99	0.00	-0.17	14.36	
4/13/22	11:48	13.57	13.57	0.00	0.42	14.78	
5/25/22	8:45	13.77	13.77	0.00	-0.20	14.58	2nd qtr. Sampling event
8/23/22	10:18	14.00	14.00	0.00	-0.23	14.35	Dry, 3rd qtr sampling event
11/22/22	8:40	14.00	14.00	0.00	0.00	14.35	Dry, 4th qtr sampling event
2/7/23	11:42	14.00	14.00	0.00	0.00	14.35	Dry, 1st qtr 2023 sampling event
5/24/23	9:25	14.00	14.00	0.00	0.00	14.35	Dry, 2nd qtr sampling event
8/23/23	9:15	14.00	14.00	0.00	0.00	14.35	Dry, 3rd qtr sampling event
11/28/23	9:50	14.00	14.00	0.00	0.00	14.35	Dry, 4th qtr sampling event
2/21/24	12:25	13.81	13.81	0.00	0.19	14.54	1st qtr 2024 sampling event; not enough to
5/21/24	10:15	13.78	13.78	0.00	0.03	14.57	2nd qtr. Sampling event; not enough to sam

Bates Middle School- Monitoring Well Gauging Table

TF-2 Top of casing elevation, 27.90'

Tank field observation well, completed from MW-9

Date	Time	Depth to Liquid (ft.)	Depth to Water (ft.)	LPH thickness (ft.)	Δ GW Elev. (+/- ft.)	GW Elevation	Comment
8/6/19	12:02	18.59	18.59	0.00		9.31	
11/6/19	7:52	18.50	18.50	0.00	0.09	9.40	
2/18/20	14:14	17.82	17.82	0.00	0.68	10.08	
5/19/20	11:55	17.90	17.90	0.00	-0.08	10.00	
8/18/20	12:15	17.84	17.84	0.00	0.06	10.06	
11/19/20	9:29	17.63	17.63	0.00	0.21	10.27	
2/24/21	9:07	17.74	17.74	0.00	-0.11	10.16	
5/19/21	13:25	17.99	17.99	0.00	-0.25	9.91	
6/23/19	14:00	18.30	18.30	0.00	-0.31	9.60	
6/30/21	8:59	18.39	18.39	0.00	-0.09	9.51	
7/7/21	9:05	18.35	18.35	0.00	0.04	9.55	
7/14/21	11:39	18.44	18.44	0.00	-0.09	9.46	
7/27/21	10:34	18.59	18.59	0.00	-0.15	9.31	
8/11/21	12:52	18.67	18.67	0.00	-0.08	9.23	
8/24/21	10:25	18.53	18.53	0.00	0.14	9.37	
9/8/21	10:12	18.45	18.45	0.00	0.08	9.45	
9/22/21	9:06	18.61	18.61	0.00	-0.16	9.29	
10/6/21	11:26	18.58	18.58	0.00	0.03	9.32	
10/19/21	12:22	18.62	18.62	0.00	-0.04	9.28	
11/5/21	10:24	18.40	18.40	0.00	0.22	9.50	
11/16/21	8:53	18.44	18.44	0.00	-0.04	9.46	
12/1/21	14:45	18.53	18.53	0.00	-0.09	9.37	
12/15/21	12:52	18.50	18.50	0.00	0.03	9.40	
12/29/21	11:06	18.51	18.51	0.00	-0.01	9.39	
1/12/22	15:00	18.04	18.04	0.00	0.47	9.86	
1/25/22	14:20	18.09	18.09	0.00	-0.05	9.81	*Week prior to Draw Down Event
2/9/22	12:53	17.94	17.94	0.00	0.15	9.96	*Week after Draw Down Event
2/15/22	10:18	18.12	18.12	0.00	-0.18	9.78	*2 Weeks after Draw Down Event
2/23/22	7:39	18.17	18.17	0.00	-0.05	9.73	*3 Weeks after Draw Down Event
4/13/22	11:45	17.79	17.79	0.00	0.38	10.11	
5/25/22	8:37	18.03	18.03	0.00	-0.24	9.87	2nd qtr sampling event
8/23/22	10:19	18.56	18.56	0.00	-0.53	9.34	3rd qtr sampling event
11/22/22	8:42	18.40	18.40	0.00	0.16	9.50	4th qtr sampling event
2/7/23	11:44	18.21	18.21	0.00	0.19	9.69	1st qtr 2023 sampling event
5/24/23	9:22	18.50	18.50	0.00	-0.29	9.40	2nd qtr sampling event
8/23/23	9:13	18.92	18.92	0.00	-0.42	8.98	3rd qtr sampling event
11/28/23	9:55	18.70	18.70	0.00	0.22	9.20	4th qtr sampling event
2/21/24	12:29	18.12	18.12	0.00	0.58	9.78	1st qtr 2024 sampling event
5/21/24	10:16	18.30	18.30	0.00	-0.18	9.60	2nd qtr sampling event
6/20/24	8:35	18.73	18.73	0.00	-0.43	9.17	Gauged prior to well abandonment 6-20-24

03 June 2024

Scott Alexander
Petroleum Management, Inc.
1030 East Patapsco Ave.
Baltimore, MD 21225
RE: Bates Middle School

Enclosed are the results of analyses for samples received by the laboratory on 05/22/24 15:09.

Maryland Spectral Services, Inc. is a TNI 2016 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2016 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 2016 Standard accreditations.

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

Sincerely,



Will Brewington
President

Analytical Results

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		4052234-01	Nonpotable Water	05/22/24 11:05	05/22/24 15:09
MDE-2		4052234-02	Nonpotable Water	05/22/24 10:37	05/22/24 15:09
MDE-3		4052234-03	Nonpotable Water	05/22/24 10:30	05/22/24 15:09
MW-1		4052234-04	Nonpotable Water	05/22/24 11:34	05/22/24 15:09
MW-2		4052234-05	Nonpotable Water	05/22/24 11:30	05/22/24 15:09
MW-3		4052234-06	Nonpotable Water	05/22/24 11:28	05/22/24 15:09
MW-5		4052234-07	Nonpotable Water	05/22/24 11:10	05/22/24 15:09
MW-6		4052234-08	Nonpotable Water	05/22/24 10:55	05/22/24 15:09
MW-7		4052234-09	Nonpotable Water	05/22/24 10:43	05/22/24 15:09
MW-8		4052234-10	Nonpotable Water	05/22/24 11:24	05/22/24 15:09
TF-2		4052234-11	Nonpotable Water	05/22/24 11:15	05/22/24 15:09



Will Brewington, President

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.

All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MDE-1

4052234-01 (Nonpotable Water)

Sampled on: 05/22/24 11:05

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 09:59	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 09:59	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 09:59	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 09:59	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 09:59	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 09:59	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 09:59	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL



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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MDE-1

4052234-01 (Nonpotable Water)

Sampled on: 05/22/24 11:05

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 09:59	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 09:59	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 09:59	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 09:59	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL

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Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Reported:

06/03/24 17:15

MDE-1

4052234-01 (Nonpotable Water)

Sampled on: 05/22/24 11:05

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 09:59	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		106 %	06/03/24		06/03/24 09:59		
Surrogate: Toluene-d8		75-120		98 %	06/03/24		06/03/24 09:59		
Surrogate: 4-Bromofluorobenzene		75-120		101 %	06/03/24		06/03/24 09:59		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/31/24	05/31/24 19:36	JT
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		101 %	05/31/24		05/31/24 19:36		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	ND		mg/L	0.043	0.043	1	05/28/24	05/29/24 12:01	TS
Surrogate: o-Terphenyl		60-120		101 %	05/28/24		05/29/24 12:01		



Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MDE-2

4052234-02 (Nonpotable Water)

Sampled on: 05/22/24 10:37

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:23	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 10:23	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 10:23	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 10:23	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:23	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 10:23	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 10:23	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MDE-2

4052234-02 (Nonpotable Water)

Sampled on: 05/22/24 10:37

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:23	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:23	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 10:23	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 10:23	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL

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Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MDE-2

4052234-02 (Nonpotable Water)

Sampled on: 05/22/24 10:37

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:23	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		108 %	06/03/24		06/03/24 10:23		
Surrogate: Toluene-d8		75-120		98 %	06/03/24		06/03/24 10:23		
Surrogate: 4-Bromofluorobenzene		75-120		102 %	06/03/24		06/03/24 10:23		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/31/24	05/31/24 20:01	JT
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		101 %	05/31/24		05/31/24 20:01		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	ND		mg/L	0.044	0.044	1	05/28/24	05/29/24 12:27	TS
Surrogate: o-Terphenyl		60-120		100 %	05/28/24		05/29/24 12:27		

Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MDE-3

4052234-03 (Nonpotable Water)

Sampled on: 05/22/24 10:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:47	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 10:47	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 10:47	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 10:47	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:47	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 10:47	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 10:47	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MDE-3

4052234-03 (Nonpotable Water)

Sampled on: 05/22/24 10:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:47	LL
Isopropylbenzene (Cumene)	1.1	J	ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 10:47	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 10:47	LL
Naphthalene	5.6		ug/L	2.0	2.0	1	06/03/24	06/03/24 10:47	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL



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Project: Bates Middle School

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

Reported:
06/03/24 17:15

Analytical Results

MDE-3

4052234-03 (Nonpotable Water)

Sampled on: 05/22/24 10:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
o-Xylene	3.3		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 10:47	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		107 %	06/03/24		06/03/24 10:47		
Surrogate: Toluene-d8		75-120		99 %	06/03/24		06/03/24 10:47		
Surrogate: 4-Bromofluorobenzene		75-120		102 %	06/03/24		06/03/24 10:47		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/31/24	05/31/24 20:27	JT
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		98 %	05/31/24		05/31/24 20:27		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	0.189		mg/L	0.046	0.046	1	05/28/24	05/29/24 12:53	TS
Surrogate: o-Terphenyl		60-120		99 %	05/28/24		05/29/24 12:53		



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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Reported:

06/03/24 17:15

MW-1

4052234-04 (Nonpotable Water)

Sampled on: 05/22/24 11:34

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	56.6		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:00	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 12:00	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Benzene	22.8		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:00	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 12:00	LL
2-Butanone (MEK)	14.4		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:00	LL
n-Butylbenzene	12.1		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
sec-Butylbenzene	11.5		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Carbon disulfide	1.0	J	ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 12:00	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:00	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Reported:

06/03/24 17:15

Analytical Results

MW-1

4052234-04 (Nonpotable Water)

Sampled on: 05/22/24 11:34

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Ethylbenzene	42.3		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:00	LL
Isopropylbenzene (Cumene)	12.2		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
4-Isopropyltoluene	8.6		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:00	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 12:00	LL
Naphthalene	62.0		ug/L	2.0	2.0	1	06/03/24	06/03/24 12:00	LL
n-Propylbenzene	19.3		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Toluene	1.7	J	ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,2,4-Trimethylbenzene	152		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
1,3,5-Trimethylbenzene	51.7		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL

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Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-1

4052234-04 (Nonpotable Water)

Sampled on: 05/22/24 11:34

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
o-Xylene	8.7		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
m- & p-Xylenes	43.0		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:00	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		110 %	06/03/24		06/03/24 12:00		
Surrogate: Toluene-d8		75-120		97 %	06/03/24		06/03/24 12:00		
Surrogate: 4-Bromofluorobenzene		75-120		100 %	06/03/24		06/03/24 12:00		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	1230		ug/L	100	45.0	1	05/31/24	05/31/24 20:52	JT
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		103 %	05/31/24		05/31/24 20:52		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	25.4		mg/L	0.238	0.238	5	05/28/24	05/29/24 13:19	TS
Surrogate: o-Terphenyl		60-120		63 %	05/28/24		05/29/24 13:19		



Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-2

4052234-05 (Nonpotable Water)

Sampled on: 05/22/24 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:25	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 12:25	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Benzene	3.7		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:25	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 12:25	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:25	LL
n-Butylbenzene	6.4		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
sec-Butylbenzene	7.5		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 12:25	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:25	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-2

4052234-05 (Nonpotable Water)

Sampled on: 05/22/24 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Ethylbenzene	20.9		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:25	LL
Isopropylbenzene (Cumene)	11.1		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
4-Isopropyltoluene	3.4		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:25	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 12:25	LL
Naphthalene	54.0		ug/L	2.0	2.0	1	06/03/24	06/03/24 12:25	LL
n-Propylbenzene	13.8		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
1,2,4-Trimethylbenzene	72.2		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL

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Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-2

4052234-05 (Nonpotable Water)

Sampled on: 05/22/24 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3,5-Trimethylbenzene	13.4		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
o-Xylene	12.5		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
m- & p-Xylenes	21.1		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:25	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		107 %	06/03/24		06/03/24 12:25		
Surrogate: Toluene-d8		75-120		98 %	06/03/24		06/03/24 12:25		
Surrogate: 4-Bromofluorobenzene		75-120		104 %	06/03/24		06/03/24 12:25		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	534		ug/L	100	45.0	1	05/31/24	05/31/24 21:18	JT
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		102 %	05/31/24		05/31/24 21:18		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	13.3		mg/L	0.211	0.211	5	05/28/24	05/29/24 13:45	TS
Surrogate: o-Terphenyl		60-120		148 %	05/28/24		05/29/24 13:45		S-04



Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-3

4052234-06 (Nonpotable Water)

Sampled on: 05/22/24 11:28

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:12	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 11:12	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:12	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 11:12	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:12	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 11:12	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:12	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-3

4052234-06 (Nonpotable Water)

Sampled on: 05/22/24 11:28

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:12	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:12	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 11:12	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 11:12	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-3

4052234-06 (Nonpotable Water)

Sampled on: 05/22/24 11:28

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	1.3	J	ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:12	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	06/03/24		06/03/24 11:12		
Surrogate: Toluene-d8			75-120	99 %	06/03/24		06/03/24 11:12		
Surrogate: 4-Bromofluorobenzene			75-120	100 %	06/03/24		06/03/24 11:12		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	05/31/24	05/31/24 21:43	JT
Surrogate: a,a,a-Trifluorotoluene [FID]			85-115	102 %	05/31/24		05/31/24 21:43		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	1.81		mg/L	0.042	0.042	1	05/28/24	05/29/24 14:11	TS
Surrogate: o-Terphenyl			60-120	116 %	05/28/24		05/29/24 14:11		



Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-5

4052234-07 (Nonpotable Water)

Sampled on: 05/22/24 11:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:36	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 11:36	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:36	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 11:36	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:36	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 11:36	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:36	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-5

4052234-07 (Nonpotable Water)

Sampled on: 05/22/24 11:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:36	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:36	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 11:36	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 11:36	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL

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Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-5

4052234-07 (Nonpotable Water)

Sampled on: 05/22/24 11:10

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:36	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		109 %	06/03/24		06/03/24 11:36		
Surrogate: Toluene-d8		75-120		98 %	06/03/24		06/03/24 11:36		
Surrogate: 4-Bromofluorobenzene		75-120		101 %	06/03/24		06/03/24 11:36		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	06/03/24	06/03/24 14:02	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		102 %	06/03/24		06/03/24 14:02		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	ND		mg/L	0.043	0.043	1	05/28/24	05/29/24 14:37	TS
Surrogate: o-Terphenyl		60-120		94 %	05/28/24		05/29/24 14:37		

Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-6

4052234-08 (Nonpotable Water)

Sampled on: 05/22/24 10:55

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:21	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 11:21	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:21	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 11:21	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:21	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 11:21	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:21	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-6

4052234-08 (Nonpotable Water)

Sampled on: 05/22/24 10:55

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:21	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:21	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 11:21	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 11:21	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL

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Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

MW-6

4052234-08 (Nonpotable Water)

Sampled on: 05/22/24 10:55

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:21	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %	06/03/24		06/03/24 11:21		
Surrogate: Toluene-d8			75-120	98 %	06/03/24		06/03/24 11:21		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	06/03/24		06/03/24 11:21		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	06/03/24	06/03/24 14:27	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			85-115	102 %	06/03/24		06/03/24 14:27		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	ND		mg/L	0.044	0.044	1	05/28/24	05/29/24 15:03	TS
Surrogate: o-Terphenyl			60-120	100 %	05/28/24		05/29/24 15:03		



Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-7

4052234-09 (Nonpotable Water)

Sampled on: 05/22/24 10:43

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:46	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 11:46	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:46	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 11:46	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:46	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 11:46	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 11:46	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-7

4052234-09 (Nonpotable Water)

Sampled on: 05/22/24 10:43

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatiles Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:46	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 11:46	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 11:46	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 11:46	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-7

4052234-09 (Nonpotable Water)

Sampled on: 05/22/24 10:43

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 11:46	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		103 %	06/03/24		06/03/24 11:46		
Surrogate: Toluene-d8		75-120		97 %	06/03/24		06/03/24 11:46		
Surrogate: 4-Bromofluorobenzene		75-120		96 %	06/03/24		06/03/24 11:46		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	06/03/24	06/03/24 14:53	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		102 %	06/03/24		06/03/24 14:53		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	ND		mg/L	0.043	0.043	1	05/28/24	05/29/24 15:29	TS
Surrogate: o-Terphenyl		60-120		98 %	05/28/24		05/29/24 15:29		



Will Brewington, President

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Project: Bates Middle School

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

Reported:

06/03/24 17:15

Analytical Results

MW-8

4052234-10 (Nonpotable Water)

Sampled on: 05/22/24 11:24

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:10	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 12:10	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:10	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 12:10	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:10	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 12:10	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:10	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

MW-8

4052234-10 (Nonpotable Water)

Sampled on: 05/22/24 11:24

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatiles Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:10	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:10	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 12:10	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 12:10	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL

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Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Reported:

06/03/24 17:15

MW-8

4052234-10 (Nonpotable Water)

Sampled on: 05/22/24 11:24

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatiles Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:10	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	06/03/24		06/03/24 12:10		
Surrogate: Toluene-d8			75-120	97 %	06/03/24		06/03/24 12:10		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	06/03/24		06/03/24 12:10		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	06/03/24	06/03/24 15:19	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			85-115	102 %	06/03/24		06/03/24 15:19		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	0.474		mg/L	0.043	0.043	1	05/28/24	05/29/24 15:55	TS
Surrogate: o-Terphenyl			60-120	98 %	05/28/24		05/29/24 15:55		



Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

TF-2

4052234-11 (Nonpotable Water)

Sampled on: 05/22/24 11:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:35	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/03/24	06/03/24 12:35	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Benzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:35	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/03/24	06/03/24 12:35	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:35	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Chloroethane	ND		ug/L	5.0	3.0	1	06/03/24	06/03/24 12:35	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/03/24	06/03/24 12:35	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL

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Will Brewington, President

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

TF-2

4052234-11 (Nonpotable Water)

Sampled on: 05/22/24 11:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:35	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/03/24	06/03/24 12:35	LL
Methylene chloride	ND		ug/L	10.0	5.0	1	06/03/24	06/03/24 12:35	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/03/24	06/03/24 12:35	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Styrene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Toluene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL

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Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Analytical Results

TF-2

4052234-11 (Nonpotable Water)

Sampled on: 05/22/24 11:15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
o-Xylene	1.1	J	ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/03/24	06/03/24 12:35	LL
Surrogate: 1,2-Dichloroethane-d4			70-130	101 %	06/03/24		06/03/24 12:35		
Surrogate: Toluene-d8			75-120	97 %	06/03/24		06/03/24 12:35		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	06/03/24		06/03/24 12:35		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	06/03/24	06/03/24 15:44	MNB
Surrogate: a,a,a-Trifluorotoluene [FID]			85-115	101 %	06/03/24		06/03/24 15:44		
DIESEL RANGE ORGANICS BY EPA 3510/8015C-LVI Prepared by 3510-GC(Sep Funnel) (LVI)									
Diesel-Range Organics (C10-C28)	0.264		mg/L	0.043	0.043	1	05/28/24	05/29/24 16:21	TS
Surrogate: o-Terphenyl			60-120	89 %	05/28/24		05/29/24 16:21		

Will Brewington, President

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Analytical Results

Project: Bates Middle School

Project Number: 701 Chase St. Annapolis, MD

Project Manager: Scott Alexander

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- S-00 Surrogate was not added to this sample
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- 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

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.



Will Brewington, President

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Company Name: PMI		Project Manager: Scott Alexander		Analysis Requested		CHAIN-OF-CUSTODY RECORD	
Project Name: Bates Middle School		Project ID: 701 Chase Street, Annapolis		No. of Containers		Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com	
Sampler(s): <i>S. Alexander</i>		P.O. Number:		Full VOCs (MDE) 8260		Matrix Codes: NW (non-potable water), DW (drinking water)	
Field Sample ID	Date	Time	DW	Water	Soil	Other	MSS Lab ID
MDE-1	5/22/24	11:05	X				4052334 - 01
MDE-2		10:37	X				-02
MDE-3		10:30	X				-03
MW-1		11:34	X				-04
MW-2		11:30	X				-05
MW-3		11:28	X				-06
MW-5		11:10	X				-07
MW-6		10:55	X				-08
MW-7		10:43	X				-09
MW-8		11:24	X				-10
TF-2		11:15	X				-11
Relinquished by: (Signature) <i>S. Alexander</i>		Date/Time 5/22/24 5:09	Received by: (Signature) <i>Rachel Horner</i>		Relinquished by: (Signature)		Date/Time 5/22/24 15:09
Relinquished by: (Signature) <i>S. Alexander</i>		Date/Time 5/22/24 15:09	Received by: (Signature) <i>Rachel Horner</i>		Relinquished by: (Signature)		Date/Time 5/22/24 15:09
Relinquished by: (Signature) <i>S. Alexander</i>		Date/Time 5/22/24 15:09	Received by: (Signature) <i>Rachel Horner</i>		Relinquished by: (Signature)		Date/Time 5/22/24 15:09
Delivery Method: <input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Special Instructions/QC Requirements & Comments: Monitoring Well Samples Please analyze TPH to detection limit ≤ 47 ug/L and VOC to detection limit ≤ 0.17 ug/L					
Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days		Lab Use: Temp: 53 °C <input checked="" type="checkbox"/> Received on ice <input checked="" type="checkbox"/> Received same day T-41					