We Energies
333 West Everett St., A231
Milwaukee, WI 53203

www.we-energies.com

May 27, 2022

Lawrence University
Mr. Joseph King
100 West Water Street
Appleton, WI 54911

Subject: April 2022 Groundwater Sampling Results for Lawrence University

Dear Mr. King:

We Energies completed groundwater sampling at Lawrence University as part of ongoing site investigation activities for the former manufactured gas plant (MGP) site (BRRTS Activity No. 02-45-000042) located at 343 Water Street in Appleton, Wisconsin. Wisconsin Administrative Code Chapter NR716.14 requires responsible parties (We Energies for the above mentioned MGP site) to report sampling results to the property owner, and occupant, as applicable.

Results of the sampling are summarized in the attached. This includes a summary table of the results compared to State guidance values. Copies of the associated laboratory report and figure showing the location of the sample collected at the Lawrence University property are also included.

We Energies appreciates your ongoing cooperation and assistance with this matter. Please feel free to contact me at your convenience at (414) 221-2156 or via email at frank.dombrowski@wecenergygroup.com with any questions or if further information may be needed.

Sincerely,

Frank Dombrowski
Principal Environmental Consultant
WEC Energy Group - Business Services
Environmental Dept.

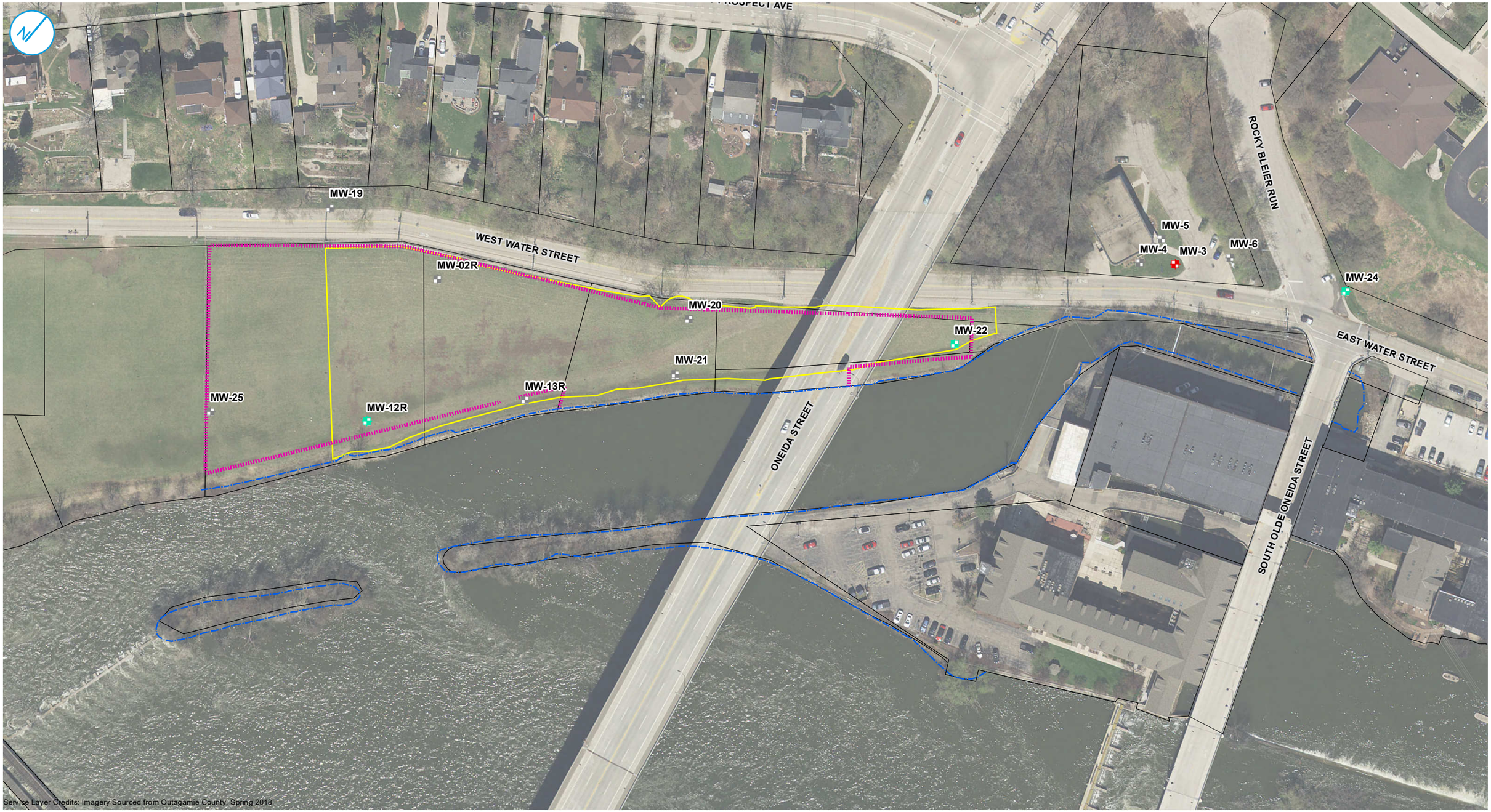
Enc: Figure 1. Well Locations
Table 1. Summary of Groundwater Results – Lawrence University Property
Laboratory Report

Cc: Project File
S. Krueger, WDNR
A. Cawrse, Ramboll

FIGURE

Y:\GIS\Projects\15\15081\MXD\2022_AnnualReport\Figure 1_Well Locations.mxd

PROJECT: 169000XXXX | DATED: 5/26/2022 | DESIGNER: galammc



Service Layer Credits: Imagery Sourced from Outagamie County, Spring 2018

MONITORING WELL LOCATION NOT PART OF FORENSIC ANALYSIS

MONITORING WELL LOCATION PART OF FORENSIC ANALYSIS - LAWRENCE UNIVERSITY PROPERTY

MONITORING WELL LOCATION PART OF FORENSIC ANALYSIS - APPLETON MGP

SHORELINE

FORMER MGP SITE PERIMETER

PERIMETER OF ISS TREATMENT AREA

2019 TAX PARCEL

0 50 100 Feet

WELL LOCATIONS

WE ENERGIES
FORMER APPLETON
MANUFACTURED GAS PLANT (MGP)
APPLETON, WISCONSIN

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

TABLE

Table 1. Summary of Groundwater Results - Lawrence University Property

April 2022 Sample Results Notification
We Energies, Appleton City (Coal Tar), aka Appleton MGP
WDNR ERP Case #02-45-000042
FID #445033380

		Sample Location:		MW-3	
Parameter	Reporting Units:	Wisconsin PAL:	**Wisconsin ES:**	4/22/2022	
2,6,10-Trimethyldodecane (1380)	mg/L	NS	**NS**	0.0001	U
2,6,10-Trimethyltridecane (1470)	mg/L	NS	**NS**	0.0001	U
n-Decane	mg/L	NS	**NS**	0.0009	J
n-Docosane (C22)	mg/L	NS	**NS**	0.0001	J
n-Dodecane (C12)	mg/L	NS	**NS**	0.001	
n-Dotriacontane (C32)	mg/L	NS	**NS**	0.0001	U
n-Eicosane (C20)	mg/L	NS	**NS**	0.0001	U
n-Heneicosane (C21)	mg/L	NS	**NS**	0.0002	J
n-Hentriacontane (C31)	mg/L	NS	**NS**	0.0001	U
n-Heptacosane (C27)	mg/L	NS	**NS**	0.0001	U
n-Heptadecane (C17)	mg/L	NS	**NS**	0.0001	U
n-Heptatriacontane (C37)	mg/L	NS	**NS**	0.0002	U
n-Hexacosane (C26)	mg/L	NS	**NS**	0.0001	U
n-Hexadecane	mg/L	NS	**NS**	0.0002	J
n-Hexatriacontane (C36)	mg/L	NS	**NS**	0.0001	U
n-Nonacosane (C29)	mg/L	NS	**NS**	0.0001	U
n-Nonadecane (C19)	mg/L	NS	**NS**	0.0002	U
n-Nonane (C9)	mg/L	NS	**NS**	0.0003	U
n-Nonatriacontane (C39)	mg/L	NS	**NS**	0.0002	U
n-Octacosane (C28)	mg/L	NS	**NS**	0.0002	U
n-Octadecane (C18)	mg/L	NS	**NS**	0.0007	
n-Octatriacontane (C38)	mg/L	NS	**NS**	0.0002	U
Norpristane (1650)	mg/L	NS	**NS**	0.0001	U
n-Pentacosane (C25)	mg/L	NS	**NS**	0.0006	U
n-Pentadecane (C15)	mg/L	NS	**NS**	0.0018	
n-Pentatriacontane (C35)	mg/L	NS	**NS**	0.0002	U
n-Tetracontane (C40)	mg/L	NS	**NS**	0.0002	U
n-Tetracosane (C24)	mg/L	NS	**NS**	0.0001	U
n-Tetradecane (C14)	mg/L	NS	**NS**	0.0011	
n-Tetratriacontane (C34)	mg/L	NS	**NS**	0.0002	U
n-Triacontane (C30)	mg/L	NS	**NS**	0.0001	U
n-Tricosane (C23)	mg/L	NS	**NS**	0.0004	J
n-Tridecane (C13)	mg/L	NS	**NS**	0.0013	J
n-Tritriacontane	mg/L	NS	**NS**	0.0001	U
n-Undecane (C11)	mg/L	NS	**NS**	0.0001	U
Phytane	mg/L	NS	**NS**	0.0001	U
Pristane	mg/L	NS	**NS**	0.0002	U
Total Petroleum Hydrocarbons (C9-C44)	mg/L	NS	**NS**	0.719	
Total Saturated Hydrocarbons	mg/L	NS	**NS**	0.0077	J
1,1,4-Trimethylcyclohexane	ug/L	NS	**NS**	0.398	U
1,1-Dimethylcyclopentane	ug/L	NS	**NS**	0.480	U
1,2,3,4-Tetramethylbenzene	ug/L	NS	**NS**	16.8	
1,2,3,5-Tetramethylbenzene	ug/L	NS	**NS**	8.38	
1,2,3-Trimethylbenzene	ug/L	NS	**NS**	46.0	
1,2,4,5-Tetramethylbenzene	ug/L	NS	**NS**	15.5	
1,2,4-Triethylbenzene	ug/L	NS	**NS**	0.680	U
1,2,4-Trimethylbenzene	ug/L	NS	**NS**	40.0	
1,2-Dibromoethane	ug/L	0.005	**0.05**	0.640	U
1,2-Dichloroethane	ug/L	0.5	**5**	0.590	U
1,2-Diethylbenzene	ug/L	NS	**NS**	1.51	J
1,2-Dimethyl-3-Ethylbenzene	ug/L	NS	**NS**	4.05	
1,2-Dimethyl-4-Ethylbenzene	ug/L	NS	**NS**	0.570	J
1,2-Dimethylcyclohexane (Cis)	ug/L	NS	**NS**	1.51	J
1,2-Dimethylcyclohexane (trans)	ug/L	NS	**NS**	4.74	
1,3,5-Triethylbenzene	ug/L	NS	**NS**	0.760	U
1,3,5-Trimethylbenzene	ug/L	NS	**NS**	1.33	J
1,3-Diethylbenzene	ug/L	NS	**NS**	15.6	
1,3-Dimethyl-2-Ethylbenzene	ug/L	NS	**NS**	3.61	J
1,3-Dimethyl-4-Ethylbenzene	ug/L	NS	**NS**	0.866	J
1,3-Dimethyl-5-Ethylbenzene	ug/L	NS	**NS**	19.8	
1,3-Dimethyl-5-tert-Butylbenzene	ug/L	NS	**NS**	0.570	U
1,4-Dimethyl-2-Ethylbenzene	ug/L	NS	**NS**	6.14	
1,4-Dimethylcyclohexane (trans)	ug/L	NS	**NS**	1.08	J
1-Decene	ug/L	NS	**NS**	0.520	U
1-Heptene/1,2-DMCP (trans)	ug/L	NS	**NS**	2.05	J
1-Hexene	ug/L	NS	**NS**	0.562	U
1-Methyl-2-Ethylbenzene	ug/L	NS	**NS**	18.5	
1-Methyl-2-Isopropylbenzene	ug/L	NS	**NS**	1.21	J
1-Methyl-2-N-Propylbenzene	ug/L	NS	**NS**	3.17	J
1-Methyl-3-Ethylbenzene	ug/L	NS	**NS**	4.22	
1-Methyl-3-Isopropylbenzene	ug/L	NS	**NS**	4.51	
1-Methyl-3-N-Propylbenzene	ug/L	NS	**NS**	0.568	J
1-Methyl-4-Ethylbenzene	ug/L	NS	**NS**	3.05	J
1-Methyl-4-Isopropylbenzene	ug/L	NS	**NS**	1.20	J
1-Methyl-4-N-Propylbenzene	ug/L	NS	**NS**	2.98	J
1-Methylnaphthalene	ug/L	NS	**NS**	71.6	
1-Nonene	ug/L	NS	**NS**	0.540	U

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WDNR ERP Case #02-45-000042
FID #445033380

		Sample Location:	MW-3		
Parameter	Reporting Units:	Wisconsin PAL:	**Wisconsin ES:**	4/22/2022	
1-Octene	ug/L	NS	**NS**	0.614	U
1-Pentene	ug/L	NS	**NS**	0.730	U
2,2,3-Trimethylbutane	ug/L	NS	**NS**	0.540	U
2,2,3-Trimethylpentane	ug/L	NS	**NS**	0.694	U
2,2-Dimethylbutane	ug/L	NS	**NS**	1.23	U
2,2-Dimethylhexane	ug/L	NS	**NS**	0.580	U
2,2-Dimethylpentane	ug/L	NS	**NS**	0.538	U
2,3,3-Trimethylpentane	ug/L	NS	**NS**	0.794	U
2,3,4-Trimethylpentane	ug/L	NS	**NS**	0.522	U
2,3-Dimethylbutane	ug/L	NS	**NS**	1.65	U
2,3-Dimethylheptane	ug/L	NS	**NS**	0.456	U
2,3-Dimethylhexane	ug/L	NS	**NS**	0.970	U
2,3-Dimethylpentane	ug/L	NS	**NS**	0.530	U
2,4-Dimethylhexane	ug/L	NS	**NS**	0.662	J
2,4-Dimethylpentane	ug/L	NS	**NS**	0.494	U
2,5-Dimethylheptane	ug/L	NS	**NS**	0.670	U
2,5-Dimethylhexane	ug/L	NS	**NS**	0.696	U
2-Ethylthiophene	ug/L	NS	**NS**	0.352	U
2-Methyl-1-Butene	ug/L	NS	**NS**	0.622	U
2-Methyl-2-pentene	ug/L	NS	**NS**	0.612	U
2-Methylheptane	ug/L	NS	**NS**	0.676	U
2-Methylhexane	ug/L	NS	**NS**	0.630	U
2-Methylnaphthalene	ug/L	NS	**NS**	8.85	J
2-Methylnonane	ug/L	NS	**NS**	0.566	U
2-Methyloctane	ug/L	NS	**NS**	1.02	U
2-Methylpentane	ug/L	NS	**NS**	1.08	U
2-Methylthiophene	ug/L	NS	**NS**	0.340	U
2-Nonene	ug/L	NS	**NS**	0.508	U
3,3-Diethylpentane	ug/L	NS	**NS**	0.466	U
3,3-Dimethylheptane	ug/L	NS	**NS**	0.484	U
3,3-Dimethyloctane	ug/L	NS	**NS**	0.404	U
3,3-Dimethylpentane	ug/L	NS	**NS**	0.744	U
3,4-Dimethylheptane	ug/L	NS	**NS**	0.680	U
3,5-Dimethylheptane	ug/L	NS	**NS**	0.564	U
3-Ethylhexane	ug/L	NS	**NS**	0.716	U
3-Ethylpentane	ug/L	NS	**NS**	0.578	U
3-Methyl-1-butene	ug/L	NS	**NS**	0.594	U
3-Methylheptane	ug/L	NS	**NS**	0.770	U
3-Methylhexane	ug/L	NS	**NS**	0.786	J
3-Methylnonane	ug/L	NS	**NS**	0.558	U
3-Methyloctane	ug/L	NS	**NS**	0.448	U
3-Methylpentane	ug/L	NS	**NS**	0.634	U
3-Methylthiophene	ug/L	NS	**NS**	0.468	U
4-Methyl-1-pentene	ug/L	NS	**NS**	0.622	U
4-Methylheptane	ug/L	NS	**NS**	0.688	U
4-Methyloctane	ug/L	NS	**NS**	0.668	U
Benzene	ug/L	0.5	**5**	**59.8**	
Benzothiophene	ug/L	NS	**NS**	13.0	
cis-2-Heptene	ug/L	NS	**NS**	0.774	U
cis-2-Hexene	ug/L	NS	**NS**	0.542	U
cis-2-Octene	ug/L	NS	**NS**	0.458	U
cis-2-Pentene	ug/L	NS	**NS**	0.644	U
cis-3-Nonene	ug/L	NS	**NS**	0.748	U
Cyclohexane	ug/L	NS	**NS**	4.19	
Cyclopentane	ug/L	NS	**NS**	1.04	U
Decane (C10)	ug/L	NS	**NS**	0.542	U
Dodecane (C12)	ug/L	NS	**NS**	1.31	U
Ethylbenzene	ug/L	140	**700**	119	
Ethylcyclopentane	ug/L	NS	**NS**	0.854	J
Ethyl-Tert-Butyl-Ether	ug/L	NS	**NS**	0.606	U
Heptane	ug/L	NS	**NS**	0.696	U
Hexylbenzene	ug/L	NS	**NS**	0.770	U
Indane	ug/L	NS	**NS**	358	
Indene	ug/L	NS	**NS**	18.9	
Isobutylbenzene	ug/L	NS	**NS**	0.616	J
Isobutylcyclohexane	ug/L	NS	**NS**	0.326	U
Isooctane	ug/L	NS	**NS**	0.436	U
Isopentane	ug/L	NS	**NS**	0.732	U
Isoprene	ug/L	NS	**NS**	0.714	U
Isopropyl Ether	ug/L	NS	**NS**	0.484	U
Isopropylbenzene	ug/L	NS	**NS**	33.8	
Isopropylcyclohexane	ug/L	NS	**NS**	0.424	U
Isopropylcyclopentane	ug/L	NS	**NS**	0.586	U
Methyl tert butyl ether	ug/L	NS	**NS**	0.824	U
Methylcyclohexane	ug/L	NS	**NS**	10.8	
Methylcyclopentane	ug/L	NS	**NS**	1.32	J
MMT	ug/L	NS	**NS**	2.57	U

Table 1. Summary of Groundwater Results - Lawrence University Property

April 2022 Sample Results Notification
We Energies, Appleton City (Coal Tar), aka Appleton MGP
WDNR ERP Case #02-45-000042
FID #445033380

		Sample Location:	MW-3		
Parameter	Reporting Units:	Wisconsin PAL:	**Wisconsin ES:**	4/22/2022	
Naphthalene	ug/L	10	**100**	**225**	
n-Butylbenzene	ug/L	NS	**NS**	2.37	J
n-Hexane	ug/L	120	**600**	0.658	U
Nonane (C9)	ug/L	NS	**NS**	0.622	U
N-Pentylbenzene	ug/L	NS	**NS**	0.498	U
n-Propylbenzene	ug/L	NS	**NS**	12.4	
Octane	ug/L	NS	**NS**	0.470	U
o-Xylene	ug/L	NS	**NS**	46.5	
p/m-Xylene	ug/L	NS	**NS**	20.4	
Pentadecane	ug/L	NS	**NS**	2.23	U
Pentane	ug/L	NS	**NS**	1.25	U
sec-Butylbenzene	ug/L	NS	**NS**	1.00	J
Styrene	ug/L	10	**100**	0.404	U
tert-Butylbenzene	ug/L	NS	**NS**	0.422	U
Tertiary Butanol	ug/L	NS	**NS**	16.1	J
Tertiary-Amyl Methyl Ether	ug/L	NS	**NS**	0.492	U
Tetradecane (C14)	ug/L	NS	**NS**	1.22	U
Thiophene	ug/L	NS	**NS**	1.16	J
Toluene	ug/L	160	**800**	4.57	
trans-2-Heptene	ug/L	NS	**NS**	0.512	U
trans-2-Hexene	ug/L	NS	**NS**	0.522	U
trans-2-Pentene	ug/L	NS	**NS**	0.540	U
trans-3-Heptene	ug/L	NS	**NS**	0.622	U
trans-3-Nonene	ug/L	NS	**NS**	0.474	U
Tridecane	ug/L	NS	**NS**	2.79	U
Undecane	ug/L	NS	**NS**	0.444	U
Xylene (Total)	ug/L	400	**2000**	66.9	
2,3,4,6-Tetrachlorophenol	ug/L	NS	**NS**	0.143	U
2,4,5-Trichlorophenol	ug/L	5	**50**	0.091	U
2,4,6-Trichlorophenol	ug/L	NS	**NS**	0.152	U
2,4-Dichlorophenol	ug/L	7	**70**	0.100	U
2,4-Dimethylphenol	ug/L	NS	**NS**	0.241	U
2,4-Dinitrophenol	ug/L	NS	**NS**	0.728	U
2-Chlorophenol	ug/L	NS	**NS**	0.091	U
2-Methylphenol	ug/L	NS	**NS**	0.104	U
2-Nitrophenol	ug/L	NS	**NS**	0.115	U
4,6-Dinitro-2-methylphenol	ug/L	NS	**NS**	0.510	U
4-Chloro-3-methylphenol	ug/L	NS	**NS**	0.103	U
4-Methylphenol	ug/L	NS	**NS**	0.113	U
4-Nitrophenol	ug/L	NS	**NS**	0.590	U
Pentachlorophenol	ug/L	0.1	**1**	0.430	U
Phenol	ug/L	400	**2000**	1.41	
1-Methylnaphthalene	ng/L	NS	**NS**	35000	
2,3,5-Trimethylnaphthalene	ng/L	NS	**NS**	40.3	
2,6-Dimethylnaphthalene	ng/L	NS	**NS**	2230	
2-Methylnaphthalene	ng/L	NS	**NS**	5200	
Acenaphthene	ng/L	NS	**NS**	2020	
Acenaphthylene	ng/L	NS	**NS**	89.5	
Anthracene	ng/L	600000	**3000000**	20.3	
Benz(a)anthracene	ng/L	NS	**NS**	2.73	J
Benzo(a)pyrene	ng/L	20	**200**	2.20	J
Benzo(b)fluoranthene	ng/L	20	**200**	3.80	J
Benzo(e)pyrene	ng/L	NS	**NS**	2.30	J
Benzo(g,h,i)perylene	ng/L	NS	**NS**	2.62	U
Benzo(j)+(k)fluoranthene	ng/L	NS	**NS**	2.41	J
Biphenyl	ng/L	NS	**NS**	558	
C1Chrysenes	ng/L	NS	**NS**	1.25	U
C1	ng/L	NS	**NS**	8.00	J
C1Fluoranthenes/Pyrenes	ng/L	NS	**NS**	22.2	
C1Fluorenes	ng/L	NS	**NS**	82.5	
C1Naphthalenes	ng/L	NS	**NS**	24200	
C1Phenanthrenes/Anthracenes	ng/L	NS	**NS**	26.4	
C2Chrysenes BS	ng/L	NS	**NS**	1.25	U
C2Dibenzothiophenes	ng/L	NS	**NS**	12.4	
C2	ng/L	NS	**NS**	1.80	U
C2Fluorenes	ng/L	NS	**NS**	30.3	
C2Naphthalenes	ng/L	NS	**NS**	4610	
C2Phenanthrenes/Anthr BS	ng/L	NS	**NS**	16.6	
C3Chrysenes	ng/L	NS	**NS**	1.25	U
C3Dibenzothiophenes	ng/L	NS	**NS**	1.44	U
C3Fluoranthenes/Pyrenes	ng/L	NS	**NS**	1.80	U
C3Fluorenes	ng/L	NS	**NS**	23.8	
C3Naphthalenes	ng/L	NS	**NS**	385	
C3Phenanthrenes/Anthracenes	ng/L	NS	**NS**	17.2	
C4Chrysenes	ng/L	NS	**NS**	1.25	U
C4Dibenzothiophenes	ng/L	NS	**NS**	1.44	U
C4Fluoranthenes/Pyrenes	ng/L	NS	**NS**	1.80	U

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WDNR ERP Case #02-45-000042
FID #445033380

		Sample Location:		MW-3	
Parameter	Reporting Units:	Wisconsin PAL:	**Wisconsin ES:**	4/22/2022	
C4Naphthalenes	ng/L	NS	**NS**	223	
C4Phenanthrenes/Anthracenes	ng/L	NS	**NS**	25.4	
Chrysene/Triphenylene	ng/L	NS	**NS**	3.94	J
Dibenz(a,h)+(a,c)anthracene	ng/L	NS	**NS**	2.91	U
Dibenzofuran	ng/L	NS	**NS**	518	
Dibenzothiophene	ng/L	NS	**NS**	21.5	
Fluoranthene	ng/L	80000	**400000**	21.2	
Fluorene	ng/L	80000	**400000**	238	
Indeno(1,2,3-cd)pyrene	ng/L	NS	**NS**	2.44	U
Naphthalene	ng/L	10000	**100000**	95900	
Perylene	ng/L	NS	**NS**	1.81	U
Phenanthrene	ng/L	NS	**NS**	108	
Pyrene	ng/L	50000	**250000**	17.7	
Retene	ng/L	NS	**NS**	12.0	

[O:CMD 5/24/22, C:ECB 5/25/22]

Underlined	concentration that attains or exceeds WDNR PAL
Bold	concentration that attains or exceeds WDNR ES

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020. Results that attain or exceed the PAL or ES are considered to be in exceedance.

Results & Flags:
-- = Analysis not performed
J = Estimated concentration
U = Concentration was not detected above the reported limit

Acronyms:
µg/L = micrograms per liter
ES = Enforcement Standard
FID = facility identification number
mg/L = milligrams per liter
MGP = manufactured gas plant
ng/L = nanograms per liter
NS = No Standard
PAL = Preventive Action Limit
WDNR = Wisconsin Department of Natural Resources

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

LABORATORY REPORT

ANALYTICAL REPORT

Lab Number:	L2221332
Client:	Ramboll 234 W. Florida St, 5th Floor Milwaukee, WI 53204
ATTN:	Andrew Cawrse
Phone:	(414) 837-3645
Project Name:	APPLETON MGP
Project Number:	1940101019
Report Date:	05/13/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: APPLETON MGP
Project Number: 1940101019

Lab Number: L2221332
Report Date: 05/13/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2221332-01	MW-24	WATER	APPLETON, WI	04/21/22 15:05	04/23/22
L2221332-02	MW-12R	WATER	APPLETON, WI	04/21/22 17:18	04/23/22
L2221332-03	MW-22	WATER	APPLETON, WI	04/22/22 07:46	04/23/22
L2221332-04	MW-3	WATER	APPLETON, WI	04/22/22 12:46	04/23/22

Project Name:	APPLETON MGP	**Lab Number:**	L2221332
Project Number:	1940101019	**Report Date:**	05/13/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: APPLETON MGP **Lab Number:** L2221332
Project Number: 1940101019 **Report Date:** 05/13/22

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PIANO Volatile Organics
L2221332-02D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.
L2221332-02D, -03D, and -04D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.
The WG1630877-5 Method Blank, associated with L2221332-01, -02D, -03D, and -04D, has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

Semivolatile Organics
L2221332-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Alkylated PAHs
L2221332-02D and -03D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Saturated Hydrocarbons
L2221332-01RE, -02RE, 03RE and -04RE: The sample was extracted with the method required holding time exceeded.: The sample was extracted with the method required holding time exceeded.
L2221332-03D: An interference with n-Dodecane (C12) was over the instrument calibration limit, therefore the

Project Name:	APPLETON MGP	**Lab Number:**	L2221332
Project Number:	1940101019	**Report Date:**	05/13/22

Case Narrative (continued)

sample was diluted until separation was achieved; both initial and diluted analyses were reported.
The WG1632063-2/-3 LCS/LCSD recoveries, associated with L2221332-01, -02, -03D, -03, and -04, were outside the acceptance criteria for individual target compounds; however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all results are considered to have a potentially low bias for nonane (c9) (42%/25%), decane (c10) (49%/28%), and dodecane (c12) (36% LCSD only).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 05/13/22

ORGANICS

VOLATILES

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 D
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 04/26/22 22:59
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
3-Methyl-1-butene	ND		ug/l	4.00	0.594	2
Isopentane	ND		ug/l	4.00	0.732	2
1-Pentene	ND		ug/l	4.00	0.730	2
2-Methyl-1-Butene	ND		ug/l	4.00	0.622	2
Pentane	ND		ug/l	4.00	1.25	2
trans-2-Pentene	ND		ug/l	4.00	0.540	2
Isoprene	ND		ug/l	4.00	0.714	2
cis-2-Pentene	ND		ug/l	4.00	0.644	2
Tertiary Butanol	16.1	J	ug/l	50.0	6.48	2
2,2-Dimethylbutane	ND		ug/l	4.00	1.23	2
4-Methyl-1-pentene	ND		ug/l	4.00	0.622	2
Cyclopentane	ND		ug/l	4.00	1.04	2
2,3-Dimethylbutane	ND		ug/l	4.00	1.65	2
2-Methylpentane	ND		ug/l	4.00	1.08	2
Methyl tert butyl ether	ND		ug/l	4.00	0.824	2
3-Methylpentane	ND		ug/l	4.00	0.634	2
1-Hexene	ND		ug/l	4.00	0.562	2
n-Hexane	ND		ug/l	4.00	0.658	2
Isopropyl Ether	ND		ug/l	4.00	0.484	2
trans-2-Hexene	ND		ug/l	4.00	0.522	2
2-Methyl-2-pentene	ND		ug/l	4.00	0.612	2
cis-2-Hexene	ND		ug/l	4.00	0.542	2
Ethyl-Tert-Butyl-Ether	ND		ug/l	4.00	0.606	2
2,2-Dimethylpentane	ND		ug/l	4.00	0.538	2
Methylcyclopentane	1.32	J	ug/l	4.00	0.536	2
2,4-Dimethylpentane	ND		ug/l	4.00	0.494	2
2,2,3-Trimethylbutane	ND		ug/l	4.00	0.540	2
1,2-Dichloroethane	ND		ug/l	4.00	0.590	2

Project Name: APPLETON MGP **Lab Number:** L2221332

Project Number: 1940101019 **Report Date:** 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 D Date Collected: 04/22/22 12:46

Client ID: MW-3 Date Received: 04/23/22

Sample Location: APPLETON, WI Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
3,3-Dimethylpentane	ND		ug/l	4.00	0.744	2
Cyclohexane	4.19		ug/l	4.00	0.494	2
2-Methylhexane	ND		ug/l	4.00	0.630	2
Benzene	59.8		ug/l	4.00	0.610	2
2,3-Dimethylpentane	ND		ug/l	4.00	0.530	2
Thiophene	1.16	J	ug/l	4.00	0.568	2
1,1-Dimethylcyclopentane	ND		ug/l	4.00	0.480	2
3-Methylhexane	0.786	J	ug/l	4.00	0.640	2
Tertiary-Amyl Methyl Ether	ND		ug/l	4.00	0.492	2
3-Ethylpentane	ND		ug/l	4.00	0.578	2
1-Heptene/1,2-DMCP (trans)	2.05	J	ug/l	8.00	1.17	2
Isooctane	ND		ug/l	4.00	0.436	2
trans-3-Heptene	ND		ug/l	4.00	0.622	2
Heptane	ND		ug/l	4.00	0.696	2
trans-2-Heptene	ND		ug/l	4.00	0.512	2
cis-2-Heptene	ND		ug/l	4.00	0.774	2
2,2-Dimethylhexane	ND		ug/l	4.00	0.580	2
Methylcyclohexane	10.8		ug/l	4.00	0.540	2
2,5-Dimethylhexane	ND		ug/l	4.00	0.696	2
2,4-Dimethylhexane	0.662	J	ug/l	4.00	0.486	2
Ethylcyclopentane	0.854	J	ug/l	4.00	0.530	2
2,2,3-Trimethylpentane	ND		ug/l	4.00	0.694	2
2,3,4-Trimethylpentane	ND		ug/l	4.00	0.522	2
2,3,3-Trimethylpentane	ND		ug/l	4.00	0.794	2
Xylene (Total)[1]	66.9		ug/l	4.00	0.418	2
2,3-Dimethylhexane	ND		ug/l	4.00	0.970	2
2-Methylheptane	ND		ug/l	4.00	0.676	2
4-Methylheptane	ND		ug/l	4.00	0.688	2
3-Methylheptane	ND		ug/l	4.00	0.770	2
3-Ethylhexane	ND		ug/l	4.00	0.716	2
Toluene	4.57		ug/l	4.00	0.542	2
2-Methylthiophene	ND		ug/l	4.00	0.340	2
1,4-Dimethylcyclohexane (trans)	1.08	J	ug/l	4.00	0.520	2
3-Methylthiophene	ND		ug/l	4.00	0.468	2
1-Octene	ND		ug/l	10.0	0.614	2
Octane	ND		ug/l	4.00	0.470	2
1,2-Dimethylcyclohexane (trans)	4.74		ug/l	4.00	0.588	2

Project Name: APPLETON MGP **Lab Number:** L2221332

Project Number: 1940101019 **Report Date:** 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 D Date Collected: 04/22/22 12:46

Client ID: MW-3 Date Received: 04/23/22

Sample Location: APPLETON, WI Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
1,2-Dibromoethane	ND		ug/l	4.00	0.640	2
cis-2-Octene	ND		ug/l	4.00	0.458	2
Isopropylcyclopentane	ND		ug/l	4.00	0.586	2
1,2-Dimethylcyclohexane (cis)	1.51	J	ug/l	4.00	1.16	2
2,5-Dimethylheptane	ND		ug/l	4.00	0.670	2
3,5-Dimethylheptane	ND		ug/l	4.00	0.564	2
3,3-Dimethylheptane	ND		ug/l	4.00	0.484	2
1,1,4-Trimethylcyclohexane	ND		ug/l	4.00	0.398	2
2,3-Dimethylheptane	ND		ug/l	4.00	0.456	2
3,4-Dimethylheptane	ND		ug/l	4.00	0.680	2
4-Methyloctane	ND		ug/l	4.00	0.668	2
2-Methyloctane	ND		ug/l	4.00	1.02	2
Ethylbenzene	119		ug/l	4.00	0.432	2
2-Ethylthiophene	ND		ug/l	4.00	0.352	2
3-Methyloctane	ND		ug/l	4.00	0.448	2
3,3-Diethylpentane	ND		ug/l	4.00	0.466	2
p/m-Xylene	20.4		ug/l	8.00	0.762	2
1-Nonene	ND		ug/l	10.0	0.540	2
trans-3-Nonene	ND		ug/l	4.00	0.474	2
cis-3-Nonene	ND		ug/l	4.00	0.748	2
Nonane (C9)	ND		ug/l	4.00	0.622	2
Styrene	ND		ug/l	4.00	0.404	2
o-Xylene	46.5		ug/l	4.00	0.418	2
2-Nonene	ND		ug/l	10.0	0.508	2
Isopropylcyclohexane	ND		ug/l	4.00	0.424	2
Isopropylbenzene	33.8		ug/l	4.00	0.374	2
3,3-Dimethyloctane	ND		ug/l	4.00	0.404	2
n-Propylbenzene	12.4		ug/l	4.00	0.354	2
2-Methylnonane	ND		ug/l	4.00	0.566	2
3-Methylnonane	ND		ug/l	4.00	0.558	2
1-Methyl-3-Ethylbenzene	4.22		ug/l	4.00	0.632	2
1-Methyl-4-Ethylbenzene	3.05	J	ug/l	4.00	0.564	2
1,3,5-Trimethylbenzene	1.33	J	ug/l	4.00	0.460	2
1-Decene	ND		ug/l	4.00	0.520	2
Isobutylcyclohexane	ND		ug/l	4.00	0.326	2
1-Methyl-2-Ethylbenzene	18.5		ug/l	4.00	0.340	2
Decane (C10)	ND		ug/l	4.00	0.542	2

Project Name: APPLETON MGP **Lab Number:** L2221332

Project Number: 1940101019 **Report Date:** 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 D
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
tert-Butylbenzene	ND		ug/l	4.00	0.422	2
1,2,4-Trimethylbenzene	40.0		ug/l	4.00	0.414	2
Isobutylbenzene	0.616	J	ug/l	4.00	0.540	2
sec-Butylbenzene	1.00	J	ug/l	4.00	0.518	2
1-Methyl-3-Isopropylbenzene	4.51		ug/l	4.00	0.516	2
1-Methyl-4-Isopropylbenzene	1.20	J	ug/l	4.00	0.424	2
1,2,3-Trimethylbenzene	46.0		ug/l	4.00	0.446	2
1-Methyl-2-Isopropylbenzene	1.21	J	ug/l	4.00	0.434	2
Indane	358		ug/l	4.00	0.246	2
1,3-Diethylbenzene	15.6		ug/l	4.00	0.498	2
1-Methyl-3-N-Propylbenzene	0.568	J	ug/l	4.00	0.404	2
Indene	18.9		ug/l	4.00	0.232	2
1-Methyl-4-N-Propylbenzene	2.98	J	ug/l	4.00	0.500	2
n-Butylbenzene	2.37	J	ug/l	4.00	0.394	2
1,2-Dimethyl-4-Ethylbenzene	0.570	J	ug/l	4.00	0.490	2
1,2-Diethylbenzene	1.51	J	ug/l	4.00	0.592	2
1-Methyl-2-N-Propylbenzene	3.17	J	ug/l	4.00	0.498	2
1,4-Dimethyl-2-Ethylbenzene	6.14		ug/l	4.00	0.374	2
Undecane	ND		ug/l	4.00	0.444	2
1,3-Dimethyl-4-Ethylbenzene	0.866	J	ug/l	4.00	0.388	2
1,3-Dimethyl-5-Ethylbenzene	19.8		ug/l	4.00	0.472	2
1,3-Dimethyl-2-Ethylbenzene	3.61	J	ug/l	4.00	0.298	2
1,2-Dimethyl-3-Ethylbenzene	4.05		ug/l	4.00	0.254	2
1,2,4,5-Tetramethylbenzene	15.5		ug/l	4.00	0.310	2
1,2,3,5-Tetramethylbenzene	8.38		ug/l	4.00	0.304	2
N-Pentylbenzene	ND		ug/l	4.00	0.498	2
1,2,3,4-Tetramethylbenzene	16.8		ug/l	4.00	0.428	2
1,3-Dimethyl-5-tert-Butylbenzene	ND		ug/l	4.00	0.570	2
Dodecane (C12)	ND		ug/l	10.0	1.31	2
1,3,5-Triethylbenzene	ND		ug/l	4.00	0.760	2
Naphthalene	225		ug/l	4.00	1.67	2
Benzothiophene	13.0		ug/l	4.00	2.11	2
1,2,4-Triethylbenzene	ND		ug/l	4.00	0.680	2
Hexylbenzene	ND		ug/l	4.00	0.770	2
MMT	ND		ug/l	10.0	2.57	2
Tridecane	ND		ug/l	10.0	2.79	2
2-Methylnaphthalene	8.85	J	ug/l	10.0	2.64	2

Project Name: APPLETON MGP **Lab Number:** L2221332

Project Number: 1940101019 **Report Date:** 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 D
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PIANO Volatile Organics by GC/MS - Mansfield Lab						
1-Methylnaphthalene	71.6		ug/l	10.0	2.94	2
Tetradecane (C14)	ND		ug/l	10.0	1.22	2
Pentadecane	ND		ug/l	10.0	2.23	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	124		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/25/22 17:41
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-04 Batch: WG1630877-5					
3-Methyl-1-butene	ND		ug/l	2.00	0.297
Isopentane	ND		ug/l	2.00	0.366
1-Pentene	ND		ug/l	2.00	0.365
2-Methyl-1-Butene	ND		ug/l	2.00	0.311
Pentane	ND		ug/l	2.00	0.624
trans-2-Pentene	ND		ug/l	2.00	0.270
Isoprene	ND		ug/l	2.00	0.357
cis-2-Pentene	ND		ug/l	2.00	0.322
Tertiary Butanol	17.7	J	ug/l	25.0	3.24
2,2-Dimethylbutane	ND		ug/l	2.00	0.617
4-Methyl-1-pentene	ND		ug/l	2.00	0.311
Cyclopentane	ND		ug/l	2.00	0.519
2,3-Dimethylbutane	ND		ug/l	2.00	0.826
2-Methylpentane	ND		ug/l	2.00	0.542
Methyl tert butyl ether	ND		ug/l	2.00	0.412
3-Methylpentane	ND		ug/l	2.00	0.317
1-Hexene	ND		ug/l	2.00	0.281
n-Hexane	ND		ug/l	2.00	0.329
Isopropyl Ether	ND		ug/l	2.00	0.242
trans-2-Hexene	ND		ug/l	2.00	0.261
2-Methyl-2-pentene	ND		ug/l	2.00	0.306
cis-2-Hexene	ND		ug/l	2.00	0.271
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.00	0.303
2,2-Dimethylpentane	ND		ug/l	2.00	0.269
Methylcyclopentane	ND		ug/l	2.00	0.268
2,4-Dimethylpentane	ND		ug/l	2.00	0.247
2,2,3-Trimethylbutane	ND		ug/l	2.00	0.270
1,2-Dichloroethane	ND		ug/l	2.00	0.295
3,3-Dimethylpentane	ND		ug/l	2.00	0.372

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/25/22 17:41
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-04 Batch: WG1630877-5					
Cyclohexane	ND		ug/l	2.00	0.247
2-Methylhexane	ND		ug/l	2.00	0.315
Benzene	ND		ug/l	2.00	0.305
2,3-Dimethylpentane	ND		ug/l	2.00	0.265
Thiophene	ND		ug/l	2.00	0.284
1,1-Dimethylcyclopentane	ND		ug/l	2.00	0.240
3-Methylhexane	ND		ug/l	2.00	0.320
Tertiary-Amyl Methyl Ether	ND		ug/l	2.00	0.246
3-Ethylpentane	ND		ug/l	2.00	0.289
1-Heptene/1,2-DMCP (trans)	ND		ug/l	4.00	0.585
Isooctane	ND		ug/l	2.00	0.218
trans-3-Heptene	ND		ug/l	2.00	0.311
Heptane	ND		ug/l	2.00	0.348
trans-2-Heptene	ND		ug/l	2.00	0.256
cis-2-Heptene	ND		ug/l	2.00	0.387
2,2-Dimethylhexane	ND		ug/l	2.00	0.290
Methylcyclohexane	ND		ug/l	2.00	0.270
2,5-Dimethylhexane	ND		ug/l	2.00	0.348
2,4-Dimethylhexane	ND		ug/l	2.00	0.243
Ethylcyclopentane	ND		ug/l	2.00	0.265
2,2,3-Trimethylpentane	ND		ug/l	2.00	0.347
2,3,4-Trimethylpentane	ND		ug/l	2.00	0.261
2,3,3-Trimethylpentane	ND		ug/l	2.00	0.397
Xylene (Total)[1]	ND		ug/l	2.00	0.209
2,3-Dimethylhexane	ND		ug/l	2.00	0.485
2-Methylheptane	ND		ug/l	2.00	0.338
4-Methylheptane	ND		ug/l	2.00	0.344
3-Methylheptane	ND		ug/l	2.00	0.385
3-Ethylhexane	ND		ug/l	2.00	0.358

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/25/22 17:41
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-04 Batch: WG1630877-5					
Toluene	ND		ug/l	2.00	0.271
2-Methylthiophene	ND		ug/l	2.00	0.170
1,4-Dimethylcyclohexane (trans)	ND		ug/l	2.00	0.260
3-Methylthiophene	ND		ug/l	2.00	0.234
1-Octene	ND		ug/l	5.00	0.307
Octane	ND		ug/l	2.00	0.235
1,2-Dimethylcyclohexane (trans)	ND		ug/l	2.00	0.294
1,2-Dibromoethane	ND		ug/l	2.00	0.320
cis-2-Octene	ND		ug/l	2.00	0.229
Isopropylcyclopentane	ND		ug/l	2.00	0.293
1,2-Dimethylcyclohexane (cis)	ND		ug/l	2.00	0.581
2,5-Dimethylheptane	ND		ug/l	2.00	0.335
3,5-Dimethylheptane	ND		ug/l	2.00	0.282
3,3-Dimethylheptane	ND		ug/l	2.00	0.242
1,1,4-Trimethylcyclohexane	ND		ug/l	2.00	0.199
2,3-Dimethylheptane	ND		ug/l	2.00	0.228
3,4-Dimethylheptane	ND		ug/l	2.00	0.340
4-Methyloctane	ND		ug/l	2.00	0.334
2-Methyloctane	ND		ug/l	2.00	0.512
Ethylbenzene	ND		ug/l	2.00	0.216
2-Ethylthiophene	ND		ug/l	2.00	0.176
3-Methyloctane	ND		ug/l	2.00	0.224
3,3-Diethylpentane	ND		ug/l	2.00	0.233
p/m-Xylene	ND		ug/l	4.00	0.381
1-Nonene	ND		ug/l	5.00	0.270
trans-3-Nonene	ND		ug/l	2.00	0.237
cis-3-Nonene	ND		ug/l	2.00	0.374
Nonane (C9)	ND		ug/l	2.00	0.311
Styrene	ND		ug/l	2.00	0.202

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/25/22 17:41
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-04 Batch: WG1630877-5					
o-Xylene	ND		ug/l	2.00	0.209
2-Nonene	ND		ug/l	5.00	0.254
Isopropylcyclohexane	ND		ug/l	2.00	0.212
Isopropylbenzene	ND		ug/l	2.00	0.187
3,3-Dimethyloctane	ND		ug/l	2.00	0.202
n-Propylbenzene	ND		ug/l	2.00	0.177
2-Methylnonane	ND		ug/l	2.00	0.283
3-Methylnonane	ND		ug/l	2.00	0.279
1-Methyl-3-Ethylbenzene	ND		ug/l	2.00	0.316
1-Methyl-4-Ethylbenzene	ND		ug/l	2.00	0.282
1,3,5-Trimethylbenzene	ND		ug/l	2.00	0.230
1-Decene	ND		ug/l	2.00	0.260
Isobutylcyclohexane	ND		ug/l	2.00	0.163
1-Methyl-2-Ethylbenzene	ND		ug/l	2.00	0.170
Decane (C10)	ND		ug/l	2.00	0.271
tert-Butylbenzene	ND		ug/l	2.00	0.211
1,2,4-Trimethylbenzene	ND		ug/l	2.00	0.207
Isobutylbenzene	ND		ug/l	2.00	0.270
sec-Butylbenzene	ND		ug/l	2.00	0.259
1-Methyl-3-Isopropylbenzene	ND		ug/l	2.00	0.258
1-Methyl-4-Isopropylbenzene	ND		ug/l	2.00	0.212
1,2,3-Trimethylbenzene	ND		ug/l	2.00	0.223
1-Methyl-2-Isopropylbenzene	ND		ug/l	2.00	0.217
Indane	ND		ug/l	2.00	0.123
1,3-Diethylbenzene	ND		ug/l	2.00	0.249
1-Methyl-3-N-Propylbenzene	ND		ug/l	2.00	0.202
Indene	ND		ug/l	2.00	0.116
1-Methyl-4-N-Propylbenzene	ND		ug/l	2.00	0.250
n-Butylbenzene	ND		ug/l	2.00	0.197

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/25/22 17:41
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-04 Batch: WG1630877-5					
1,2-Dimethyl-4-Ethylbenzene	ND		ug/l	2.00	0.245
1,2-Diethylbenzene	ND		ug/l	2.00	0.296
1-Methyl-2-N-Propylbenzene	ND		ug/l	2.00	0.249
1,4-Dimethyl-2-Ethylbenzene	ND		ug/l	2.00	0.187
Undecane	ND		ug/l	2.00	0.222
1,3-Dimethyl-4-Ethylbenzene	ND		ug/l	2.00	0.194
1,3-Dimethyl-5-Ethylbenzene	ND		ug/l	2.00	0.236
1,3-Dimethyl-2-Ethylbenzene	ND		ug/l	2.00	0.149
1,2-Dimethyl-3-Ethylbenzene	ND		ug/l	2.00	0.127
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.00	0.155
1,2,3,5-Tetramethylbenzene	ND		ug/l	2.00	0.152
N-Pentylbenzene	ND		ug/l	2.00	0.249
1,2,3,4-Tetramethylbenzene	ND		ug/l	2.00	0.214
1,3-Dimethyl-5-tert-Butylbenzene	ND		ug/l	2.00	0.285
Dodecane (C12)	ND		ug/l	5.00	0.657
1,3,5-Triethylbenzene	ND		ug/l	2.00	0.380
Naphthalene	ND		ug/l	2.00	0.835
Benzothiophene	ND		ug/l	2.00	1.06
1,2,4-Triethylbenzene	ND		ug/l	2.00	0.340
Hexylbenzene	ND		ug/l	2.00	0.385
MMT	ND		ug/l	5.00	1.29
Tridecane	ND		ug/l	5.00	1.39
2-Methylnaphthalene	ND		ug/l	5.00	1.32
1-Methylnaphthalene	ND		ug/l	5.00	1.47
Tetradecane (C14)	ND		ug/l	5.00	0.612
Pentadecane	ND		ug/l	5.00	1.12

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 04/25/22 17:41
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-04 Batch: WG1630877-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Dibromofluoromethane	124		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: APPLETON MGP

Project Number: 1940101019

Lab Number: L2221332

Report Date: 05/13/22

PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-04 Batch: WG1630877-3 WG1630877-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1-Pentene	108		100		50-130	8		30
Pentane	92		84		50-130	9		30
Tertiary Butanol	95		109		50-130	14		30
Cyclopentane	90		84		50-130	7		30
2-Methylpentane	100		90		50-130	11		30
Methyl tert butyl ether	92		104		50-130	12		30
3-Methylpentane	100		90		50-130	11		30
1-Hexene	96		90		50-130	6		30
n-Hexane	86		80		50-130	7		30
Isopropyl Ether	98		100		50-130	2		30
Ethyl-Tert-Butyl-Ether	84		92		50-130	9		30
Methylcyclopentane	96		91		50-130	5		30
2,4-Dimethylpentane	105		92		50-130	13		30
Cyclohexane	97		89		50-130	9		30
2-Methylhexane	99		90		50-130	10		30
Benzene	89		92		50-130	3		30
2,3-Dimethylpentane	101		89		50-130	13		30
3-Methylhexane	92		82		50-130	11		30
Tertiary-Amyl Methyl Ether	86		95		50-130	10		30
Isooctane	99		91		50-130	8		30
Heptane	100		93		50-130	7		30
Methylcyclohexane	94		86		50-130	9		30
2-Methylheptane	94		96		50-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: APPLETON MGP

Project Number: 1940101019

Lab Number: L2221332

Report Date: 05/13/22

PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-04 Batch: WG1630877-3 WG1630877-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
3-Methylheptane	95		96		50-130	1		30
Toluene	92		91		50-130	1		30
Octane	94		96		50-130	2		30
Ethylbenzene	87		90		50-130	3		30
p/m-Xylene	89		93		50-130	4		30
Nonane (C9)	82		86		50-130	5		30
o-Xylene	89		92		50-130	3		30
Isopropylbenzene	88		92		50-130	4		30
n-Propylbenzene	87		94		50-130	8		30
1-Methyl-3-Ethylbenzene	86		92		50-130	7		30
1-Methyl-4-Ethylbenzene	89		95		50-130	7		30
1,3,5-Trimethylbenzene	88		94		50-130	7		30
1-Decene	69		76		50-130	10		30
1-Methyl-2-Ethylbenzene	88		95		50-130	8		30
Decane (C10)	86		92		50-130	7		30
1,2,4-Trimethylbenzene	84		90		50-130	7		30
sec-Butylbenzene	90		100		50-130	11		30
1-Methyl-4-N-Propylbenzene	86		93		50-130	8		30
n-Butylbenzene	88		94		50-130	7		30
1,2-Diethylbenzene	85		93		50-130	9		30
Undecane	78		88		50-130	12		30
N-Pentylbenzene	88		92		50-130	4		30
Dodecane (C12)	78		93		50-130	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: APPLETON MGP

Project Number: 1940101019

Lab Number: L2221332

Report Date: 05/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-04 Batch: WG1630877-3 WG1630877-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Dibromofluoromethane	100		115		70-130
Toluene-d8	101		98		70-130
4-Bromofluorobenzene	98		101		70-130

SEMIVOLATILES

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/28/22 19:32
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/22 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Phenol	1.41		ug/l	0.500	0.051	1
2-Chlorophenol	ND		ug/l	0.500	0.091	1
2-Methylphenol	ND		ug/l	0.500	0.104	1
4-Methylphenol	ND		ug/l	0.500	0.113	1
2-Nitrophenol	ND		ug/l	0.500	0.115	1
2,4-Dimethylphenol	ND		ug/l	2.00	0.241	1
2,4-Dichlorophenol	ND		ug/l	0.500	0.100	1
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103	1
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152	1
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091	1
2,4-Dinitrophenol	ND		ug/l	5.00	0.728	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143	1
4-Nitrophenol	ND		ug/l	2.50	0.590	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510	1
Pentachlorophenol	ND		ug/l	2.00	0.430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		15-115
Phenol-d5	42		15-115
Nitrobenzene-d5	84		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	97		15-115
Terphenyl-d14	72		30-130

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM(M)
Analytical Date: 04/29/22 06:49
Analyst: CC

Extraction Method: EPA 3510C
Extraction Date: 04/28/22 10:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs - Mansfield Lab						
Naphthalene	97800	E	ng/l	9.90	1.95	1
C1-Naphthalenes	26800	E	ng/l	9.90	1.95	1
C2-Naphthalenes	4610		ng/l	9.90	1.95	1
C3-Naphthalenes	385.		ng/l	9.90	1.95	1
C4-Naphthalenes	223.		ng/l	9.90	1.95	1
2-Methylnaphthalene	5200		ng/l	9.90	2.28	1
1-Methylnaphthalene	38900	E	ng/l	9.90	1.93	1
Biphenyl	558.		ng/l	9.90	2.31	1
2,6-Dimethylnaphthalene	2230		ng/l	9.90	2.31	1
Dibenzofuran	518.		ng/l	9.90	1.80	1
Acenaphthylene	89.5		ng/l	9.90	1.98	1
Acenaphthene	2020		ng/l	9.90	1.27	1
2,3,5-Trimethylnaphthalene	40.3		ng/l	9.90	1.50	1
Fluorene	238.		ng/l	9.90	1.75	1
C1-Fluorenes	82.5	G	ng/l	9.90	1.75	1
C2-Fluorenes	30.3		ng/l	9.90	1.75	1
C3-Fluorenes	23.8		ng/l	9.90	1.75	1
Dibenzothiophene	21.5		ng/l	9.90	1.44	1
C1-Dibenzothiophenes BS	8.00	J	ng/l	9.90	1.44	1
C2-Dibenzothiophenes	12.4		ng/l	9.90	1.44	1
C3-Dibenzothiophenes	ND		ng/l	9.90	1.44	1
C4-Dibenzothiophenes	ND		ng/l	9.90	1.44	1
Phenanthrene	108.		ng/l	9.90	1.19	1
C1-Phenanthrenes/Anthracenes	26.4		ng/l	9.90	1.19	1
C2-Phenanthrenes/Anthr BS	16.6		ng/l	9.90	1.19	1
C3-Phenanthrenes/Anthracenes	17.2		ng/l	9.90	1.19	1
C4-Phenanthrenes/Anthracenes	25.4		ng/l	9.90	1.19	1
Retene	12.0		ng/l	9.90	2.77	1

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04
Client ID: MW-3
Sample Location: APPLETON, WI
Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs - Mansfield Lab						
Anthracene	20.3		ng/l	9.90	1.79	1
Fluoranthene	21.2		ng/l	9.90	1.76	1
Pyrene	17.7		ng/l	9.90	1.80	1
C1-Fluoranthenes/Pyrenes	22.2		ng/l	9.90	1.80	1
C2-Fluoranthenes/Pyrenes	ND		ng/l	9.90	1.80	1
C3-Fluoranthenes/Pyrenes	ND		ng/l	9.90	1.80	1
C4-Fluoranthenes/Pyrenes	ND		ng/l	9.90	1.80	1
Benz(a)anthracene	2.73	J	ng/l	9.90	1.15	1
Chrysene/Triphenylene	3.94	J	ng/l	9.90	1.25	1
C1-Chrysenes	ND		ng/l	9.90	1.25	1
C2-Chrysenes BS	ND		ng/l	9.90	1.25	1
C3-Chrysenes	ND		ng/l	9.90	1.25	1
C4-Chrysenes	ND		ng/l	9.90	1.25	1
Benzo(b)fluoranthene	3.80	J	ng/l	9.90	1.46	1
Benzo(j)+(k)fluoranthene	2.41	J	ng/l	9.90	1.48	1
Benzo(e)pyrene	2.30	J	ng/l	9.90	1.30	1
Benzo(a)pyrene	2.20	J	ng/l	9.90	2.13	1
Perylene	ND		ng/l	9.90	1.81	1
Indeno(1,2,3-cd)pyrene	ND		ng/l	9.90	2.44	1
Dibenz(a,h)+(a,c)anthracene	ND		ng/l	9.90	2.91	1
Benzo(g,h,i)perylene	ND		ng/l	9.90	2.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Naphthalene-d8	65		50-130
Phenanthrene-d10	103		50-130
Benzo(a)pyrene-d12	96		50-130

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 D
Client ID: MW-3
Sample Location: APPLETON, WI

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM(M)
Analytical Date: 04/29/22 21:10
Analyst: CC

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 04/28/22 10:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs - Mansfield Lab						
Naphthalene	95900		ng/l	99.0	19.5	10
C1-Naphthalenes	24200		ng/l	99.0	19.5	10
1-Methylnaphthalene	35000		ng/l	99.0	19.3	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Naphthalene-d8	59		50-130
Phenanthrene-d10	90		50-130
Benzo(a)pyrene-d12	71		50-130

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/22 15:36
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/22 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-04 Batch: WG1631124-1					
Phenol	ND		ug/l	0.500	0.051
2-Chlorophenol	ND		ug/l	0.500	0.091
2-Methylphenol	ND		ug/l	0.500	0.104
4-Methylphenol	ND		ug/l	0.500	0.113
2-Nitrophenol	ND		ug/l	0.500	0.115
2,4-Dimethylphenol	ND		ug/l	2.00	0.241
2,4-Dichlorophenol	ND		ug/l	0.500	0.100
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091
2,4-Dinitrophenol	ND		ug/l	5.00	0.728
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143
4-Nitrophenol	ND		ug/l	2.50	0.590
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510
Pentachlorophenol	ND		ug/l	2.00	0.430

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		15-115
Phenol-d5	39		15-115
Nitrobenzene-d5	86		30-130
2-Fluorobiphenyl	85		30-130
2,4,6-Tribromophenol	93		15-115
Terphenyl-d14	102		30-130

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM(M)
Analytical Date: 04/28/22 22:20
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 04/28/22 10:51

Parameter	Result	Qualifier	Units	RL	MDL
PAHs - Mansfield Lab for sample(s): 01-04 Batch: WG1632063-1					
Naphthalene	ND		ng/l	10.0	1.97
C1-Naphthalenes	ND		ng/l	10.0	1.97
C2-Naphthalenes	ND		ng/l	10.0	1.97
C3-Naphthalenes	ND		ng/l	10.0	1.97
C4-Naphthalenes	ND		ng/l	10.0	1.97
2-Methylnaphthalene	ND		ng/l	10.0	2.30
1-Methylnaphthalene	ND		ng/l	10.0	1.95
Biphenyl	ND		ng/l	10.0	2.33
2,6-Dimethylnaphthalene	ND		ng/l	10.0	2.33
Dibenzofuran	ND		ng/l	10.0	1.82
Acenaphthylene	ND		ng/l	10.0	2.00
Acenaphthene	ND		ng/l	10.0	1.28
2,3,5-Trimethylnaphthalene	ND		ng/l	10.0	1.51
Fluorene	ND		ng/l	10.0	1.77
C1-Fluorenes	ND		ng/l	10.0	1.77
C2-Fluorenes	ND		ng/l	10.0	1.77
C3-Fluorenes	ND		ng/l	10.0	1.77
Dibenzothiophene	ND		ng/l	10.0	1.46
C1-Dibenzothiophenes BS	ND		ng/l	10.0	1.46
C2-Dibenzothiophenes	2.56	J	ng/l	10.0	1.46
C3-Dibenzothiophenes	ND		ng/l	10.0	1.46
C4-Dibenzothiophenes	ND		ng/l	10.0	1.46
Phenanthrene	1.76	J	ng/l	10.0	1.20
C1-Phenanthrenes/Anthracenes	ND		ng/l	10.0	1.20
C2-Phenanthrenes/Anthr BS	ND		ng/l	10.0	1.20
C3-Phenanthrenes/Anthracenes	ND		ng/l	10.0	1.20
C4-Phenanthrenes/Anthracenes	ND		ng/l	10.0	1.20
Retene	ND		ng/l	10.0	2.80
Anthracene	ND		ng/l	10.0	1.81

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM(M)
Analytical Date: 04/28/22 22:20
Analyst: MJS

Extraction Method: EPA 3510C
Extraction Date: 04/28/22 10:51

Parameter	Result	Qualifier	Units	RL	MDL
PAHs - Mansfield Lab for sample(s): 01-04 Batch: WG1632063-1					
Fluoranthene	ND		ng/l	10.0	1.78
Pyrene	ND		ng/l	10.0	1.82
C1-Fluoranthenes/Pyrenes	ND		ng/l	10.0	1.82
C2-Fluoranthenes/Pyrenes	ND		ng/l	10.0	1.82
C3-Fluoranthenes/Pyrenes	ND		ng/l	10.0	1.82
C4-Fluoranthenes/Pyrenes	ND		ng/l	10.0	1.82
Benz(a)anthracene	ND		ng/l	10.0	1.16
Chrysene/Triphenylene	ND		ng/l	10.0	1.26
C1-Chrysenes	ND		ng/l	10.0	1.26
C2-Chrysenes BS	ND		ng/l	10.0	1.26
C3-Chrysenes	ND		ng/l	10.0	1.26
C4-Chrysenes	ND		ng/l	10.0	1.26
Benzo(b)fluoranthene	ND		ng/l	10.0	1.47
Benzo(j)+(k)fluoranthene	ND		ng/l	10.0	1.49
Benzo(e)pyrene	ND		ng/l	10.0	1.31
Benzo(a)pyrene	ND		ng/l	10.0	2.15
Perylene	ND		ng/l	10.0	1.83
Indeno(1,2,3-cd)pyrene	ND		ng/l	10.0	2.46
Dibenz(a,h)+(a,c)anthracene	ND		ng/l	10.0	2.94
Benzo(g,h,i)perylene	ND		ng/l	10.0	2.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Naphthalene-d8	72		50-130
Phenanthrene-d10	97		50-130
Benzo(a)pyrene-d12	84		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: APPLETON MGP

Project Number: 1940101019

Lab Number: L2221332

Report Date: 05/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-04 Batch: WG1631124-2 WG1631124-3								
Phenol	40		44		18-54	10		20
2-Chlorophenol	73		84		30-130	14		20
2-Methylphenol	73		82		30-130	12		20
4-Methylphenol	68		77		30-130	12		20
2-Nitrophenol	76		90		40-140	17		20
2,4-Dimethylphenol	73		82		40-140	12		20
2,4-Dichlorophenol	77		89		30-130	14		20
4-Chloro-3-methylphenol	84		93		30-130	10		20
2,4,6-Trichlorophenol	78		89		30-130	13		20
2,4,5-Trichlorophenol	88		99		30-130	12		20
2,4-Dinitrophenol	74		85		30-130	14		20
2,3,4,6-Tetrachlorophenol	92		102		30-130	10		20
4-Nitrophenol	47		53		17-65	12		20
4,6-Dinitro-2-methylphenol	86		98		30-130	13		20
Pentachlorophenol	82		94		30-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		61		15-115
Phenol-d5	43		42		15-115
Nitrobenzene-d5	89		90		30-130
2-Fluorobiphenyl	86		88		30-130
2,4,6-Tribromophenol	104		102		15-115
Terphenyl-d14	100		101		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: APPLETON MGP
Project Number: 1940101019

Lab Number: L2221332
Report Date: 05/13/22

PAHs - Mansfield Lab Associated sample(s): 01-04 Batch: WG1632063-2 WG1632063-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Naphthalene	66		60		50-130	10		30
2-Methylnaphthalene	70		62		50-130	12		30
Acenaphthylene	77		76		50-130	1		30
Acenaphthene	79		77		50-130	3		30
Fluorene	88		89		50-130	1		30
Phenanthrene	91		93		50-130	2		30
Anthracene	96		99		50-130	3		30
Fluoranthene	95		96		50-130	1		30
Pyrene	94		95		50-130	1		30
Benz(a)anthracene	88		88		50-130	0		30
Chrysene/Triphenylene	86		87		50-130	1		30
Benzo(b)fluoranthene	93		94		50-130	1		30
Benzo(j)+(k)fluoranthene	88		88		50-130	0		30
Benzo(a)pyrene	86		86		50-130	0		30
Indeno(1,2,3-cd)pyrene	85		92		50-130	8		30
Dibenz(a,h)+(a,c)anthracene	90		84		50-130	7		30
Benzo(g,h,i)perylene	91		91		50-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: APPLETON MGP

Project Number: 1940101019

Lab Number: L2221332

Report Date: 05/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs - Mansfield Lab Associated sample(s): 01-04 Batch: WG1632063-2 WG1632063-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Naphthalene-d8	76		71		50-130
Phenanthrene-d10	103		104		50-130
Benzo(a)pyrene-d12	91		89		50-130

PETROLEUM HYDROCARBONS

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 04/30/22 03:03
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/28/22 10:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Saturated Hydrocarbons by GC-FID - Mansfield Lab						
n-Nonane (C9)	ND		mg/l	0.0010	0.0003	1
n-Decane (C10)	0.0010	J	mg/l	0.0010	0.0001	1
n-Undecane (C11)	ND		mg/l	0.0010	0.0001	1
n-Dodecane (C12)	ND		mg/l	0.0010	0.0001	1
n-Tridecane (C13)	ND		mg/l	0.0050	0.0009	1
2,6,10-Trimethyldodecane (1380)	0.0001	J	mg/l	0.0010	0.0001	1
n-Tetradecane (C14)	0.0016		mg/l	0.0010	0.0001	1
2,6,10-Trimethyltridecane (1470)	ND		mg/l	0.0010	0.0001	1
n-Pentadecane (C15)	0.0024		mg/l	0.0010	0.0001	1
n-Hexadecane (C16)	ND		mg/l	0.0010	0.0001	1
Norpristane (1650)	ND		mg/l	0.0010	0.0001	1
n-Heptadecane (C17)	ND		mg/l	0.0010	0.0001	1
Pristane	ND		mg/l	0.0010	0.0002	1
n-Octadecane (C18)	0.0009	JC	mg/l	0.0010	0.0001	1
Phytane	ND		mg/l	0.0010	0.0001	1
n-Nonadecane (C19)	ND		mg/l	0.0010	0.0002	1
n-Eicosane (C20)	ND		mg/l	0.0010	0.0001	1
n-Heneicosane (C21)	ND		mg/l	0.0010	0.0001	1
n-Docosane (C22)	0.0001	J	mg/l	0.0010	0.00004	1
n-Tricosane (C23)	0.0006	J	mg/l	0.0010	0.0001	1
n-Tetracosane (C24)	ND		mg/l	0.0010	0.0001	1
n-Pentacosane (C25)	ND		mg/l	0.0050	0.0006	1
n-Hexacosane (C26)	ND		mg/l	0.0010	0.0001	1
n-Heptacosane (C27)	ND		mg/l	0.0010	0.0001	1
n-Octacosane (C28)	ND		mg/l	0.0010	0.0002	1
n-Nonacosane (C29)	ND		mg/l	0.0010	0.0001	1
n-Triacontane (C30)	ND		mg/l	0.0010	0.0001	1
n-Hentriacontane (C31)	ND		mg/l	0.0010	0.0001	1

Project Name: APPLETON MGP
Lab Number: L2221332
Project Number: 1940101019
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04
Client ID: MW-3
Sample Location: APPLETON, WI
Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Saturated Hydrocarbons by GC-FID - Mansfield Lab						
n-Dotriacontane (C32)	ND		mg/l	0.0010	0.0001	1
n-Tritriacontane (C33)	ND		mg/l	0.0010	0.0001	1
n-Tetratriacontane (C34)	ND		mg/l	0.0010	0.0002	1
n-Pentatriacontane (C35)	ND		mg/l	0.0010	0.0002	1
n-Hexatriacontane (C36)	ND		mg/l	0.0010	0.0001	1
n-Heptatriacontane (C37)	ND		mg/l	0.0010	0.0002	1
n-Octatriacontane (C38)	ND		mg/l	0.0010	0.0002	1
n-Nonatriacontane (C39)	ND		mg/l	0.0010	0.0002	1
n-Tetracontane (C40)	ND		mg/l	0.0010	0.0002	1
Total Petroleum Hydrocarbons (C9-C44)	0.9940		mg/l	0.0327	0.0055	1
Total Saturated Hydrocarbons	0.0067	JB	mg/l	0.0010	0.00004	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
ortho-terphenyl	89		50-130
d50-Tetracosane	88		50-130

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 RE
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 05/07/22 04:43
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/05/22 04:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Saturated Hydrocarbons by GC-FID - Mansfield Lab						
n-Nonane (C9)	ND		mg/l	0.0010	0.0003	1
n-Decane (C10)	0.0009	J	mg/l	0.0010	0.0001	1
n-Undecane (C11)	ND		mg/l	0.0010	0.0001	1
n-Dodecane (C12)	0.001		mg/l	0.0010	0.0001	1
n-Tridecane (C13)	0.0013	J	mg/l	0.0051	0.0009	1
2,6,10-Trimethyldodecane (1380)	ND		mg/l	0.0010	0.0001	1
n-Tetradecane (C14)	0.0011		mg/l	0.0010	0.0001	1
2,6,10-Trimethyltridecane (1470)	ND		mg/l	0.0010	0.0001	1
n-Pentadecane (C15)	0.0018		mg/l	0.0010	0.0001	1
n-Hexadecane (C16)	0.0002	J	mg/l	0.0010	0.0002	1
Norpristane (1650)	ND		mg/l	0.0010	0.0001	1
n-Heptadecane (C17)	ND		mg/l	0.0010	0.0001	1
Pristane	ND		mg/l	0.0010	0.0002	1
n-Octadecane (C18)	0.0007	JC	mg/l	0.0010	0.0001	1
Phytane	ND		mg/l	0.0010	0.0001	1
n-Nonadecane (C19)	ND		mg/l	0.0010	0.0002	1
n-Eicosane (C20)	ND		mg/l	0.0010	0.0001	1
n-Heneicosane (C21)	0.0002	J	mg/l	0.0010	0.0001	1
n-Docosane (C22)	0.0001	J	mg/l	0.0010	0.00004	1
n-Tricosane (C23)	0.0004	J	mg/l	0.0010	0.0001	1
n-Tetracosane (C24)	ND		mg/l	0.0010	0.0001	1
n-Pentacosane (C25)	ND		mg/l	0.0051	0.0006	1
n-Hexacosane (C26)	ND		mg/l	0.0010	0.0001	1
n-Heptacosane (C27)	ND		mg/l	0.0010	0.0001	1
n-Octacosane (C28)	ND		mg/l	0.0010	0.0002	1
n-Nonacosane (C29)	ND		mg/l	0.0010	0.0001	1
n-Triacontane (C30)	ND		mg/l	0.0010	0.0001	1
n-Hentriacontane (C31)	ND		mg/l	0.0010	0.0001	1

Project Name: APPLETON MGP
Lab Number: L2221332
Project Number: 1940101019
Report Date: 05/13/22

SAMPLE RESULTS

Lab ID: L2221332-04 RE
Client ID: MW-3
Sample Location: APPLETON, WI

Date Collected: 04/22/22 12:46
Date Received: 04/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Saturated Hydrocarbons by GC-FID - Mansfield Lab						
n-Dotriacontane (C32)	ND		mg/l	0.0010	0.0001	1
n-Tritriacontane (C33)	ND		mg/l	0.0010	0.0001	1
n-Tetratriacontane (C34)	ND		mg/l	0.0010	0.0002	1
n-Pentatriacontane (C35)	ND		mg/l	0.0010	0.0002	1
n-Hexatriacontane (C36)	ND		mg/l	0.0010	0.0001	1
n-Heptatriacontane (C37)	ND		mg/l	0.0010	0.0002	1
n-Octatriacontane (C38)	ND		mg/l	0.0010	0.0002	1
n-Nonatriacontane (C39)	ND		mg/l	0.0010	0.0002	1
n-Tetracontane (C40)	ND		mg/l	0.0010	0.0002	1
Total Petroleum Hydrocarbons (C9-C44)	0.7190		mg/l	0.0333	0.0056	1
Total Saturated Hydrocarbons	0.0077	J	mg/l	0.0010	0.00004	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
ortho-terphenyl	97		50-130
d50-Tetracosane	97		50-130

Project Name: APPLETON MGP
Project Number: 1940101019

Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 04/29/22 16:42
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/28/22 10:51

Parameter	Result	Qualifier	Units	RL	MDL
Saturated Hydrocarbons by GC-FID - Mansfield Lab for sample(s): 01-04 Batch: WG1632063-1					
n-Nonane (C9)	ND		mg/l	0.0010	0.0003
n-Decane (C10)	ND		mg/l	0.0010	0.0001
n-Undecane (C11)	ND		mg/l	0.0010	0.0001
n-Dodecane (C12)	ND		mg/l	0.0010	0.0001
n-Tridecane (C13)	ND		mg/l	0.0050	0.0009
2,6,10-Trimethyldodecane (1380)	ND		mg/l	0.0010	0.0001
n-Tetradecane (C14)	ND		mg/l	0.0010	0.0001
2,6,10-Trimethyltridecane (1470)	ND		mg/l	0.0010	0.0001
n-Pentadecane (C15)	ND		mg/l	0.0010	0.0001
n-Hexadecane (C16)	ND		mg/l	0.0010	0.0001
Norpristane (1650)	ND		mg/l	0.0010	0.0001
n-Heptadecane (C17)	ND		mg/l	0.0010	0.0001
Pristane	ND		mg/l	0.0010	0.0002
n-Octadecane (C18)	0.0008	JC	mg/l	0.0010	0.0001
Phytane	ND		mg/l	0.0010	0.0001
n-Nonadecane (C19)	ND		mg/l	0.0010	0.0002
n-Eicosane (C20)	ND		mg/l	0.0010	0.0001
n-Heneicosane (C21)	ND		mg/l	0.0010	0.0001
n-Docosane (C22)	ND		mg/l	0.0010	0.00004
n-Tricosane (C23)	0.0002	J	mg/l	0.0010	0.0001
n-Tetracosane (C24)	ND		mg/l	0.0010	0.0001
n-Pentacosane (C25)	ND		mg/l	0.0050	0.0006
n-Hexacosane (C26)	ND		mg/l	0.0010	0.0001
n-Heptacosane (C27)	ND		mg/l	0.0010	0.0001
n-Octacosane (C28)	ND		mg/l	0.0010	0.0002
n-Nonacosane (C29)	ND		mg/l	0.0010	0.0001
n-Triacontane (C30)	ND		mg/l	0.0010	0.0001
n-Hentriacontane (C31)	ND		mg/l	0.0010	0.0001
n-Dotriacontane (C32)	ND		mg/l	0.0010	0.0001

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 04/29/22 16:42
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/28/22 10:51

Parameter	Result	Qualifier	Units	RL	MDL
Saturated Hydrocarbons by GC-FID - Mansfield Lab for sample(s): 01-04 Batch: WG1632063-1					
n-Tritriacontane (C33)	ND		mg/l	0.0010	0.0001
n-Tetratriacontane (C34)	ND		mg/l	0.0010	0.0002
n-Pentatriacontane (C35)	ND		mg/l	0.0010	0.0002
n-Hexatriacontane (C36)	ND		mg/l	0.0010	0.0001
n-Heptatriacontane (C37)	ND		mg/l	0.0010	0.0002
n-Octatriacontane (C38)	ND		mg/l	0.0010	0.0002
n-Nonatriacontane (C39)	ND		mg/l	0.0010	0.0002
n-Tetracontane (C40)	ND		mg/l	0.0010	0.0002
Total Petroleum Hydrocarbons (C9-C44)	ND		mg/l	0.0330	0.0056
Total Saturated Hydrocarbons	0.0011	J	mg/l	0.0010	0.00004

Surrogate	%Recovery	Qualifier	Acceptance Criteria
ortho-terphenyl	88		50-130
d50-Tetracosane	86		50-130

Project Name: APPLETON MGP
Project Number: 1940101019

Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 05/06/22 18:23
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/05/22 04:18

Parameter	Result	Qualifier	Units	RL	MDL
Saturated Hydrocarbons by GC-FID - Mansfield Lab for sample(s): 01-04 Batch: WG1634624-1					
n-Nonane (C9)	ND		mg/l	0.001	0.0003
n-Decane (C10)	ND		mg/l	0.001	0.0001
n-Undecane (C11)	ND		mg/l	0.001	0.0001
n-Dodecane (C12)	ND		mg/l	0.001	0.0001
n-Tridecane (C13)	ND		mg/l	0.005	0.001
2,6,10-Trimethyldodecane (1380)	ND		mg/l	0.001	0.0001
n-Tetradecane (C14)	ND		mg/l	0.001	0.0001
2,6,10-Trimethyltridecane (1470)	ND		mg/l	0.001	0.0001
n-Pentadecane (C15)	ND		mg/l	0.001	0.0001
n-Hexadecane (C16)	ND		mg/l	0.001	0.0001
Norpristane (1650)	ND		mg/l	0.001	0.0001
n-Heptadecane (C17)	ND		mg/l	0.001	0.0001
Pristane	ND		mg/l	0.001	0.0002
n-Octadecane (C18)	0.001	JC	mg/l	0.001	0.0001
Phytane	ND		mg/l	0.001	0.0001
n-Nonadecane (C19)	ND		mg/l	0.001	0.0002
n-Eicosane (C20)	ND		mg/l	0.001	0.0001
n-Heneicosane (C21)	ND		mg/l	0.001	0.0001
n-Docosane (C22)	ND		mg/l	0.001	0.00004
n-Tricosane (C23)	ND		mg/l	0.001	0.0001
n-Tetracosane (C24)	ND		mg/l	0.001	0.0001
n-Pentacosane (C25)	ND		mg/l	0.005	0.001
n-Hexacosane (C26)	ND		mg/l	0.001	0.0001
n-Heptacosane (C27)	ND		mg/l	0.001	0.0001
n-Octacosane (C28)	ND		mg/l	0.001	0.0002
n-Nonacosane (C29)	ND		mg/l	0.001	0.0001
n-Triacontane (C30)	ND		mg/l	0.001	0.0001
n-Hentriacontane (C31)	ND		mg/l	0.001	0.0001
n-Dotriacontane (C32)	ND		mg/l	0.001	0.0001

Project Name: APPLETON MGP
Project Number: 1940101019
Lab Number: L2221332
Report Date: 05/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 05/06/22 18:23
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/05/22 04:18

Parameter	Result	Qualifier	Units	RL	MDL
Saturated Hydrocarbons by GC-FID - Mansfield Lab for sample(s): 01-04 Batch: WG1634624-1					
n-Tritriacontane (C33)	ND		mg/l	0.001	0.0001
n-Tetratriacontane (C34)	ND		mg/l	0.001	0.0002
n-Pentatriacontane (C35)	ND		mg/l	0.001	0.0002
n-Hexatriacontane (C36)	ND		mg/l	0.001	0.0001
n-Heptatriacontane (C37)	ND		mg/l	0.001	0.0002
n-Octatriacontane (C38)	ND		mg/l	0.001	0.0002
n-Nonatriacontane (C39)	ND		mg/l	0.001	0.0002
n-Tetracontane (C40)	ND		mg/l	0.001	0.0002
Total Petroleum Hydrocarbons (C9-C44)	ND		mg/l	0.033	0.006
Total Saturated Hydrocarbons	0.001	J	mg/l	0.001	0.00004

Surrogate	%Recovery	Qualifier	Acceptance Criteria
ortho-terphenyl	94		50-130
d50-Tetracosane	94		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: APPLETON MGP

Project Number: 1940101019

Lab Number: L2221332

Report Date: 05/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Saturated Hydrocarbons by GC-FID - Mansfield Lab Associated sample(s): 01-04 Batch: WG1632063-2 WG1632063-3								
Nonane (C9)	**42**	Q	**25**	Q	50-130	**51**	Q	30
n-Decane (C10)	**49**	Q	**28**	Q	50-130	**55**	Q	30
n-Dodecane (C12)	56		**36**	Q	50-130	**43**	Q	30
n-Tetradecane (C14)	72		62		50-130	15		30
n-Hexadecane (C16)	89		91		50-130	2		30
n-Octadecane (C18)	96		101		50-130	5		30
n-Nonadecane (C19)	92		93		50-130	1		30
n-Eicosane (C20)	91		92		50-130	1		30
n-Docosane (C22)	92		92		50-130	0		30
n-Tetracosane (C24)	94		95		50-130	1		30
n-Hexacosane (C26)	93		94		50-130	1		30
n-Octacosane (C28)	92		92		50-130	0		30
n-Triacontane (C30)	92		93		50-130	1		30
n-Hexatriacontane (C36)	84		83		50-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
ortho-terphenyl	92		92		50-130
d50-Tetracosane	90		90		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: APPLETON MGP

Project Number: 1940101019

Lab Number: L2221332

Report Date: 05/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Saturated Hydrocarbons by GC-FID - Mansfield Lab Associated sample(s): 01-04 Batch: WG1634624-2 WG1634624-3								
Nonane (C9)	87		82		50-130	6		30
n-Decane (C10)	90		87		50-130	3		30
n-Dodecane (C12)	91		90		50-130	1		30
n-Tetradecane (C14)	98		97		50-130	1		30
n-Hexadecane (C16)	107		107		50-130	0		30
n-Octadecane (C18)	112		112		50-130	0		30
n-Nonadecane (C19)	101		101		50-130	0		30
n-Eicosane (C20)	102		102		50-130	0		30
n-Docosane (C22)	102		102		50-130	0		30
n-Tetracosane (C24)	108		108		50-130	0		30
n-Hexacosane (C26)	104		104		50-130	0		30
n-Octacosane (C28)	105		104		50-130	1		30
n-Triacontane (C30)	103		102		50-130	1		30
n-Hexatriacontane (C36)	89		89		50-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
ortho-terphenyl	99		99		50-130
d50-Tetracosane	99		98		50-130

Project Name: APPLETON MGP
Project Number: 1940101019

Lab Number: L2221332
Report Date: 05/13/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact
B	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2221332-01A	Vial HCl preserved	A	NA		5.3	Y	Present/Intact		A2-PIANO8260(14)
L2221332-01B	Vial HCl preserved	A	NA		5.3	Y	Present/Intact		A2-PIANO8260(14)
L2221332-01C	Vial HCl preserved	A	NA		5.3	Y	Present/Intact		A2-PIANO8260(14)
L2221332-01D	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-01E	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-01F	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)
L2221332-01G	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)
L2221332-02A	Vial HCl preserved	A	NA		5.3	Y	Present/Intact		A2-PIANO8260(14)
L2221332-02B	Vial HCl preserved	A	NA		5.3	Y	Present/Intact		A2-PIANO8260(14)
L2221332-02C	Vial HCl preserved	A	NA		5.3	Y	Present/Intact		A2-PIANO8260(14)
L2221332-02D	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-02E	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-02F	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)
L2221332-02G	Amber 1000ml unpreserved	A	7	7	5.3	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)
L2221332-03A	Vial HCl preserved	B	NA		3.8	Y	Present/Intact		A2-PIANO8260(14)
L2221332-03B	Vial HCl preserved	B	NA		3.8	Y	Present/Intact		A2-PIANO8260(14)
L2221332-03C	Vial HCl preserved	B	NA		3.8	Y	Present/Intact		A2-PIANO8260(14)
L2221332-03D	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-03E	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-03F	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: APPLETON MGP
Project Number: 1940101019

Lab Number: L2221332
Report Date: 05/13/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2221332-03G	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)
L2221332-04A	Vial HCl preserved	B	NA		3.8	Y	Present/Intact		A2-PIANO8260(14)
L2221332-04B	Vial HCl preserved	B	NA		3.8	Y	Present/Intact		A2-PIANO8260(14)
L2221332-04C	Vial HCl preserved	B	NA		3.8	Y	Present/Intact		A2-PIANO8260(14)
L2221332-04D	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-04E	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SHC(7),A2-ALKPAH(7)
L2221332-04F	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)
L2221332-04G	Amber 1000ml unpreserved	B	7	7	3.8	Y	Present/Intact		A2-SVOC-8270(7),8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name:	APPLETON MGP	**Lab Number:**	L2221332
Project Number:	1940101019	**Report Date:**	05/13/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	APPLETON MGP	**Lab Number:**	L2221332
Project Number:	1940101019	**Report Date:**	05/13/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	APPLETON MGP	**Lab Number:**	L2221332
Project Number:	1940101019	**Report Date:**	05/13/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	APPLETON MGP	**Lab Number:**	L2221332
Project Number:	1940101019	**Report Date:**	05/13/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/23/22

ALPHA Job #: L2221332

ALPHA ANALYTICAL — Where Clean Chemistry
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: RAMBOLL
Address: 234 W FLORIDA ST 5TH FLOOR
MILWAUKEE, WI 53204
Phone: 414 837 3645
Email: ANDREW.CAWRSE@RAMBOLL.COM

Project Information

Project Name: APPLETON MGP
Project Location: APPLETON, WI
Project #: 1940101019
Project Manager: ANDREW CAWRSE
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

QC: LTA

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:
CUSTODY SEAL: 422-001
422-002
2 COOLERS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☐ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	PIANO 92605	SVOC 8270D	ALKYLATED PAH 8270D SIM	SAT HYDROCARBONS 8015D (mod)	Sample Comments	TOTAL # BOTTLES
21332-01	MW-24	4-21-22	1505	GW	DG									X	X	X	X	1	7
02	MW-12R	↓	1718											X	X	X	X	1	7
03	MW-22	4-22-22	746											X	X	X	X	1	7
04	MW-3	↓	1246	↓	↓									X	X	X	X	2	7

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

Container Type														AV	A	A	A		
Preservative														B	A	A	A		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
Arcfd /RAMBOLL	1800 4-22-22	FEDEX Courier	4-22-22 1800 4/22/22 1030

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ORIGIN ID:MKEA (262) 573-6315
NATURAL RESOURCE TECH INC
234 W FLORIDA ST
MILWAUKEE, WI 53204
UNITED STATES US

SHIP DATE: 22APR22
ACTWGT: 52.25 LB
CAD: 6994541/SSFE2300
DIMS: 25x14x15 IN
BILL THIRD PARTY

Part # 156297-435 RRDW2 EXP 04/22

TO ALPHA ANALYTICAL INC
ALPHA ANALYTICAL INC
8 WALKUP DR

WESTBOROUGH MA 01581
(508) 898-9220
INV:
PO:
REF:
DEPT:

FedEx Express

1 of 2
TRK# 0201 2723 2783 7189
MASTER
XO BBFA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
01581
MA-US BOS

FedEx Express

FedEx® Saturday Delivery

SL

CUSTODY SEAL
DATE 422-002 4-22-22
SIGNATURE
QEC Quality Environmental Containers
800-255-3950 • www.qecusa.com

CUSTODY SEAL
DATE 422-001 4-22-22
SIGNATURE
QEC Quality Environmental Containers
800-255-3950 • www.qecusa.com

CUSTODY SEAL
DATE 422-002 4-22-22
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QEC Quality Environmental Containers
800-255-3950 • www.qecusa.com

CUSTODY SEAL
DATE 422-001 4-22-22
SIGNATURE
QEC Quality Envronmental Containers
800-255-350 • www.qecusa.com