



Applied EcoSystems, Inc.

Environmental Management, Consulting & Field Services

SEMI-ANNUAL GROUNDWATER MONITORING DATA REPORT

TO: Tyler Jacobs, USEPA

CC: Shaun Shields, EGLE RRD
Brendan Mullen, RACER
Dave Favero, RACER

FROM: Rodney Abke, Applied EcoSystems, Inc.

DATE: December 29, 2025

SUBJECT: RACER Flint West Industrial Land (#12990)
Semi-Annual Monitoring



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1.0 INTRODUCTION

Since the previous Data Report (dated May 27, 2025), Applied EcoSystems, Inc. (Æ) conducted a routine groundwater monitoring event (gauging and sampling) on the RACER Flint West Industrial Land (Site) and on the north-adjointing Genesee County Parks (GCP) property on September 23, 2025. This report provides a summary and the results of that groundwater monitoring event.

A Site Location Map is included in Figure 1; and for reference, Site investigation locations are included in Figure 2. The Site consists of approximately three acres of land located west of Stevens Street and north of Glenwood Avenue in Flint, Genesee County, Michigan. Almost the entire Site consists of concrete pavement remaining after the demolition of a former manufacturing building. The Site is secured with a locked chain-link fence.

The Site is developed with a Consumers Energy electrical substation, with an equipment shelter in the central part of the Site, and with a utility conduit shed on the southeast corner of the Site. Per John Ebenhoeh with Consumers Energy, the small building on the southeast corner is a shelter for electrical conduits that run under the road to the GM tool and die facility. This small building is accessed approximately once per year for approximately two hours. The building in the fenced area is a support equipment shelter for the substation. The fenced area is accessed approximately once per month for approximately two hours, and the building itself is accessed less frequently and for shorter durations.

2.0 MONITORING ACTIVITIES COMPLETED

Groundwater Monitoring¹

- All monitoring wells were gauged for depth to water on September 23, 2025. A Groundwater Contour Map prepared using September 23, 2025, groundwater elevation data is included as Figure 3 in Appendix A. For reference, previously submitted cross-section diagrams showing soil types and groundwater elevations are included in Appendix B as Attachment 1.
- A routine groundwater monitoring event was conducted on September 23, 2025.
- Groundwater samples were collected from monitoring wells MW-103S, MW-108S, MW-110S, MW-112S, and MW-114S¹ to be analyzed for Volatile Organic Compounds (VOCs), dissolved and total metals (arsenic, chromium [total], chromium VI, copper, lead, selenium, and zinc), and per- and polyfluoroalkyl substances (PFAS).

Analytical results are summarized in Appendix B as Attachment 2. Laboratory analytical reports for all monitoring activities are included in Appendix B as Attachment 3.

¹ A reduction in the number of wells sampled during the semi-annual sampling events was requested in an email dated August 13, 2024. Additionally, based on discussion with the USEPA and the correspondence, five side-gradient wells (MW-100S, MW-104S, MW-106SR, MW-107S, and MW-117S) will be sampled once every two years beginning in the Spring of 2026. USEPA approved the requested revised sampling plan via an August 13, 2024, email.



3.0 MONITORING RESULTS

Comparison of the September 23, 2025, groundwater data to the current EGLE Generic Residential Cleanup Criteria (GRCC) and Generic Non-Residential Cleanup Criteria (GNRCC) dated October 12, 2023, and to USEPA Maximum Contaminant Levels (MCLs) for five PFAS compounds, including PFOA and PFOS, indicates the following:

Metals: Dissolved Arsenic was detected exceeding drinking water (DW) and groundwater to surface water interface (GSI) criteria as shown in the following table. The concentrations are consistent with expected regional conditions, do not appear to represent a plume, and are considered generally to be naturally occurring. Although EGLE has published state-wide and regional “background” concentrations for soils, no such values have been published for groundwater; however, the concentrations generally are consistent with concentrations encountered by Æ at other uncontaminated sites in the Flint area. The dissolved metal concentrations are considered to be more representative of Site conditions than total metal concentrations for the purposes of this assessment.

Table 1.0 – Metals Exceedances in Groundwater

Well ID	Metal	Drinking Water Criterion	GSI Criterion	Result
MW-103S	Dissolved Arsenic	10	10	26
MW-103S	Arsenic, total	10	10	72
MW-112S	Dissolved Arsenic	10	10	52
MW-112S	Arsenic, total	10	10	52
MW-114S	Arsenic, total	10	10	66

- All results are expressed in µg/L.
- Groundwater criterion in **red** indicates a criterion exceedance.

VOCs: Exceedances were present as follows:

Table 2.0 – VOCs Exceedances in Groundwater

Well ID	VOC	Drinking Water Criterion	GSI Criterion	Result
MW-114S	Trichloroethene	5	200	170
MW-114S	Vinyl Chloride	2	13	5

- All results are expressed in µg/L.
- Groundwater criterion in **red** indicate a criterion exceedance.

PFAS: Detected concentrations of PFAS that have EGLE criteria or USEPA MCLs did not exceed criteria in any sample, except Perfluorooctane sulfonic acid (PFOS) concentrations exceeded its MCL (4 ng/L) and/or GSI criteria (12 ng/L) in the samples from MW-103S, MW-112S, and MW-114S. These results are similar to the previous PFAS results for the groundwater samples collected in March 2025.



A table of groundwater sample analytical results for all groundwater samples collected on behalf of RACER is included in Appendix B as Attachment 2. Sample analytical results for the September 2025 sampling events are included in Appendix B as Attachment 3. Figure 4 illustrates the GSI and drinking water exceedances for VOCs and metals in groundwater identified in groundwater samples collected from 2018 through 2025. For reference, Figure 5 includes data boxes and exceedances identified in soil samples. Figure 6 includes data boxes and exceedances for PFAS results. Low-flow sampling forms for the March 2025 sampling event are included in Appendix D. The Laboratory Data Validation Report is included in Appendix E.

Note that elevated tetrachloroethene levels consistently have been detected in one upgradient well (MW-105S) since April 2012, and trichloroethene (TCE) also consistently has been detected in the same well, likely as a degradation product of the tetrachloroethene. This well is hydrogeologically downgradient from a former print shop located south of the Site.

The primary Site-specific constituents of concern are TCE and vinyl chloride, which appear to be exhibiting natural attenuation. PFOS concentrations have decreased or remained stable.

4.0 LABORATORY DATA VALIDATION SUMMARY

On September 23, 2025, Æ collected groundwater samples from five monitoring wells at the RACER Flint West Industrial Land Site using USEPA low-stress sampling protocols. One duplicate sample, one field blank, and one matrix spike and duplicate were collected. Samples were collected in appropriate laboratory-provided bottles with laboratory-provided preservatives and were maintained on ice until delivery under complete chain-of-custody protocols to Merit Laboratories within appropriate holding times. No sample condition issues were identified in the field or upon laboratory receipt. Samples were analyzed by specified standard methods for VOCs, EGLE 28 PFAS, six total and dissolved metals, and total and dissolved chromium VI. Filtration and preservation for dissolved metals (including dissolved chromium VI) were performed immediately upon laboratory receipt instead of during field collection.

Laboratory deliverables include two analytical laboratory reports, two quality control reports, and chains-of-custody for each. Each laboratory report contained a case narrative, laboratory accreditation/certification information, laboratory contact information, analytical methods, and analyte reporting relative to method detection limits (MDLs) and reporting limits (RLs). Data qualifiers were identified and evaluated in this Laboratory Data Validation report. No samples were extracted or analyzed beyond their holding times, except for analysis for chromium VI in the field blank and sample duplicate for MW-114S. Because chromium VI was not identified in any samples collected, this deviation is not considered to affect report conclusions.

All surrogate recoveries were within their allowable ranges for each surrogate compound, indicating satisfactory laboratory performance. Analysis of laboratory blank samples identified no indications of significant cross-contamination except with PFAS constituents PFBA, PFPeA, PFHxA, PFBS, and 6:2FTSA, which is reflected in sample results for MW-114S and its duplicate. Detectable concentrations of those analytes were not identified in other samples. The equipment blank identified no detectable analytes greater than RLs, including PFAS. The field blank was determined to contain no detectable analytes. Accordingly, no significant indications of cross-contamination were

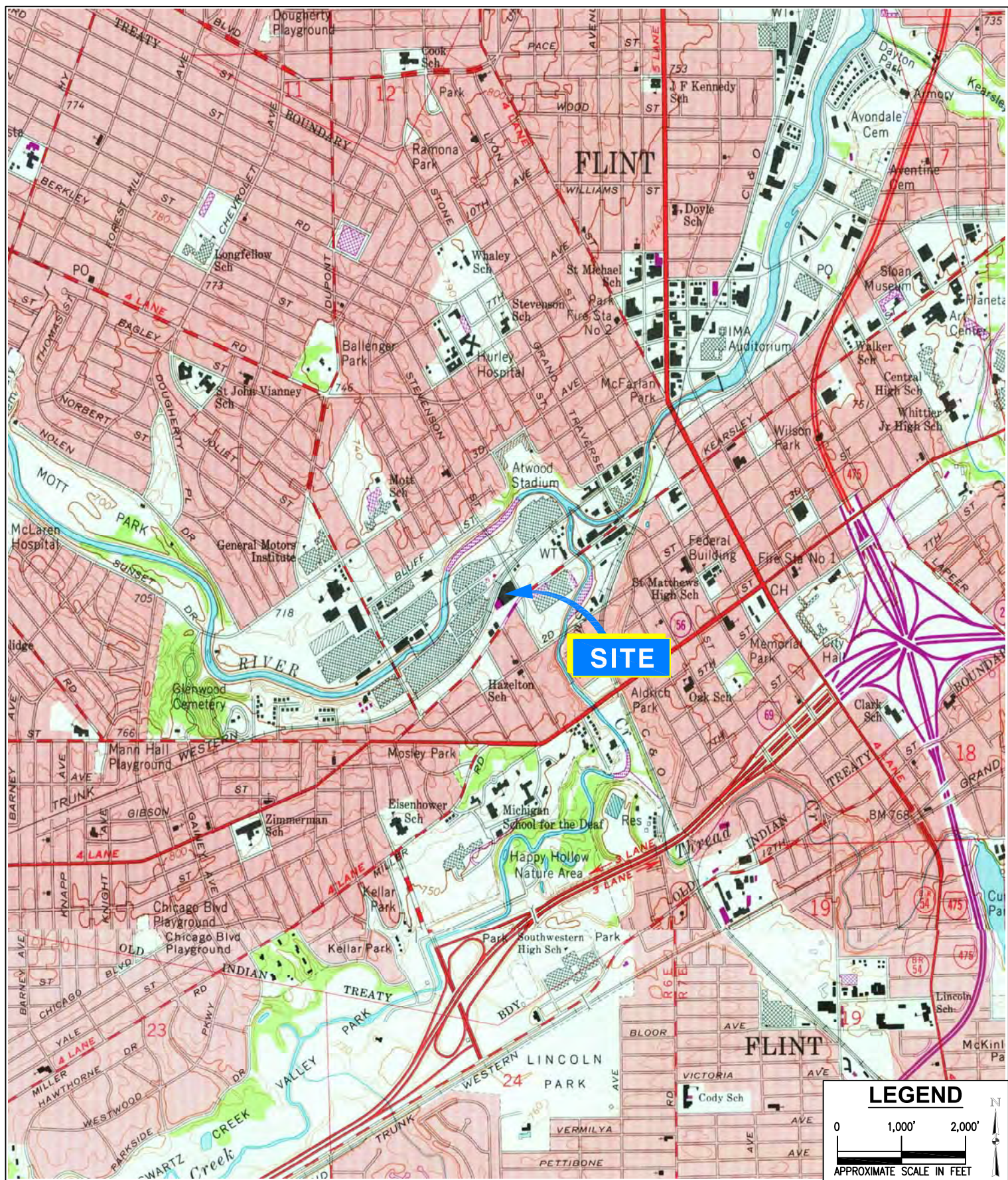


identified, except for PFAS compounds not detected in field samples. Laboratory Control Spike (LCS) and LCS Duplicate analyses indicated the potential for PFAS analytes 8:2FTSA and PFUnDA to exhibit wide variations within Recovery Control Limits; however, because those analytes were detected at the Site only in spiked samples, this condition is not considered to have affected report conclusions. Matrix spikes and their duplicates indicated potential for Chromium VI and VOC trans-1,4-dichloro-2-butene to be identified low and for the PFAS analytes 4:2FTSA, 6:2FTSA high, and for chromium VI and PFAS analytes 8:2FTSA and PFUnDA to be identified with low precision; however, none of these analytes were identified in groundwater samples collected at the Site. No significant data qualifiers were identified in relation to the detected analyte concentrations.

Based on the assessment detailed in the foregoing QA/QC summary, the laboratory data summarized in Table 2 are considered acceptable within the specific qualifications noted herein.

5.0 SCHEDULE

The USEPA-approved revised monitoring plan includes semi-annual sampling of MW-103S, MW-108S, MW-110S, MW-112S, and MW-114S. In addition, five side-gradient monitoring wells (MW-100S, MW-104S, MW-106SR, MW-107S, and MW-117S) will be sampled every other year beginning in the Spring of 2026. Samples will be analyzed for VOCs, dissolved and total metals (arsenic, chromium [total], chromium VI, copper, lead, selenium, and zinc), and PFAS. The next semi-annual monitoring event, which will include the side-gradient wells, will be completed in the Spring of 2026.



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Site Location Map

RACER Flint West #12990

Glenwood Avenue & Stevenson Street
Flint, Michigan

SOURCE: USGS FLINT SOUTH QUADRANGLE
(PROVISIONAL EDITION 1975)

DRAWING DATE:

04/06/2020

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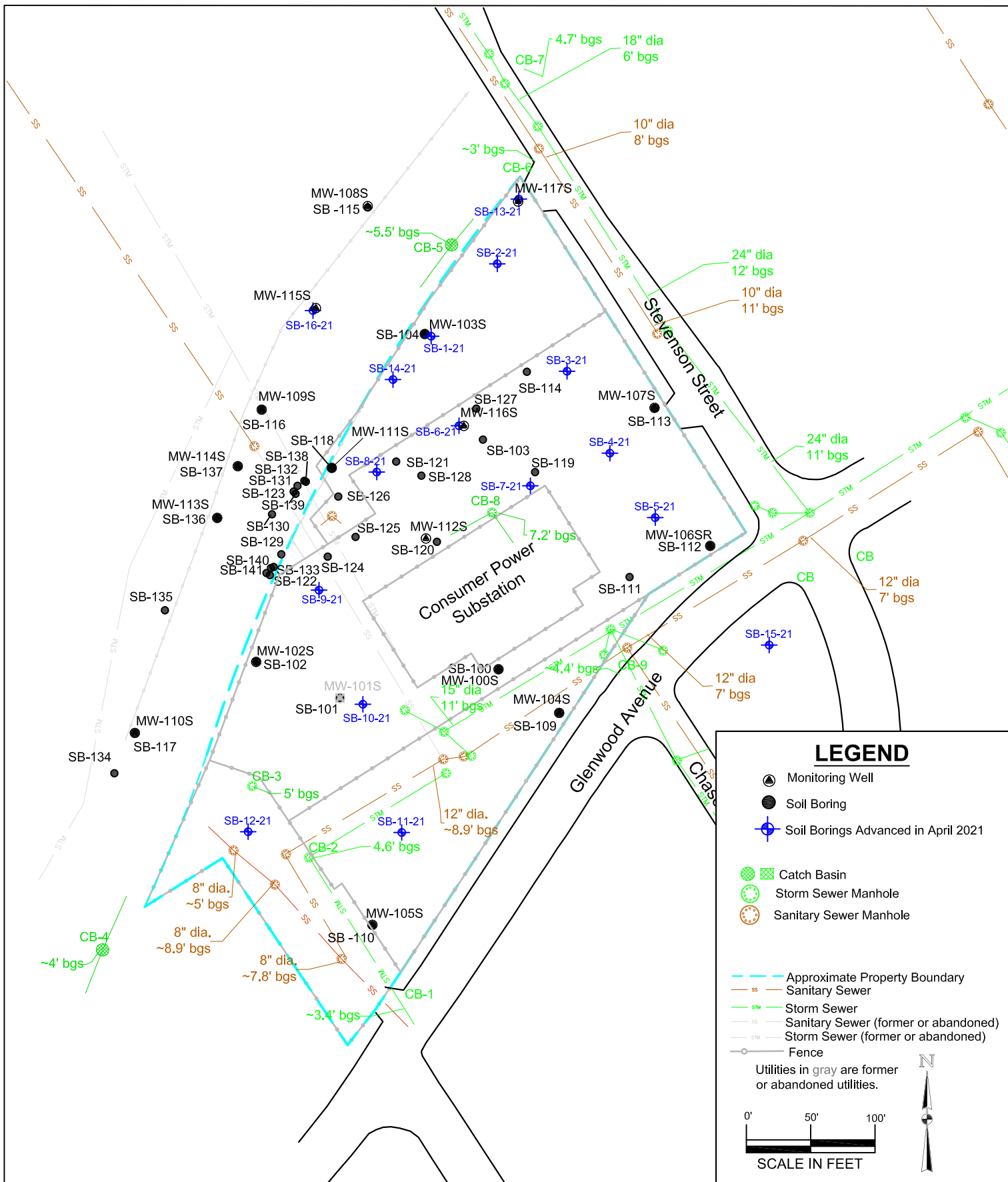
MDS

PROJECT:

11-4317-102

FIGURE:

1



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Site Map

RACER Flint West -12990
Flint West Industrial Land, Flint, Michigan

DATE:

12/22/2025

CHECKED BY:

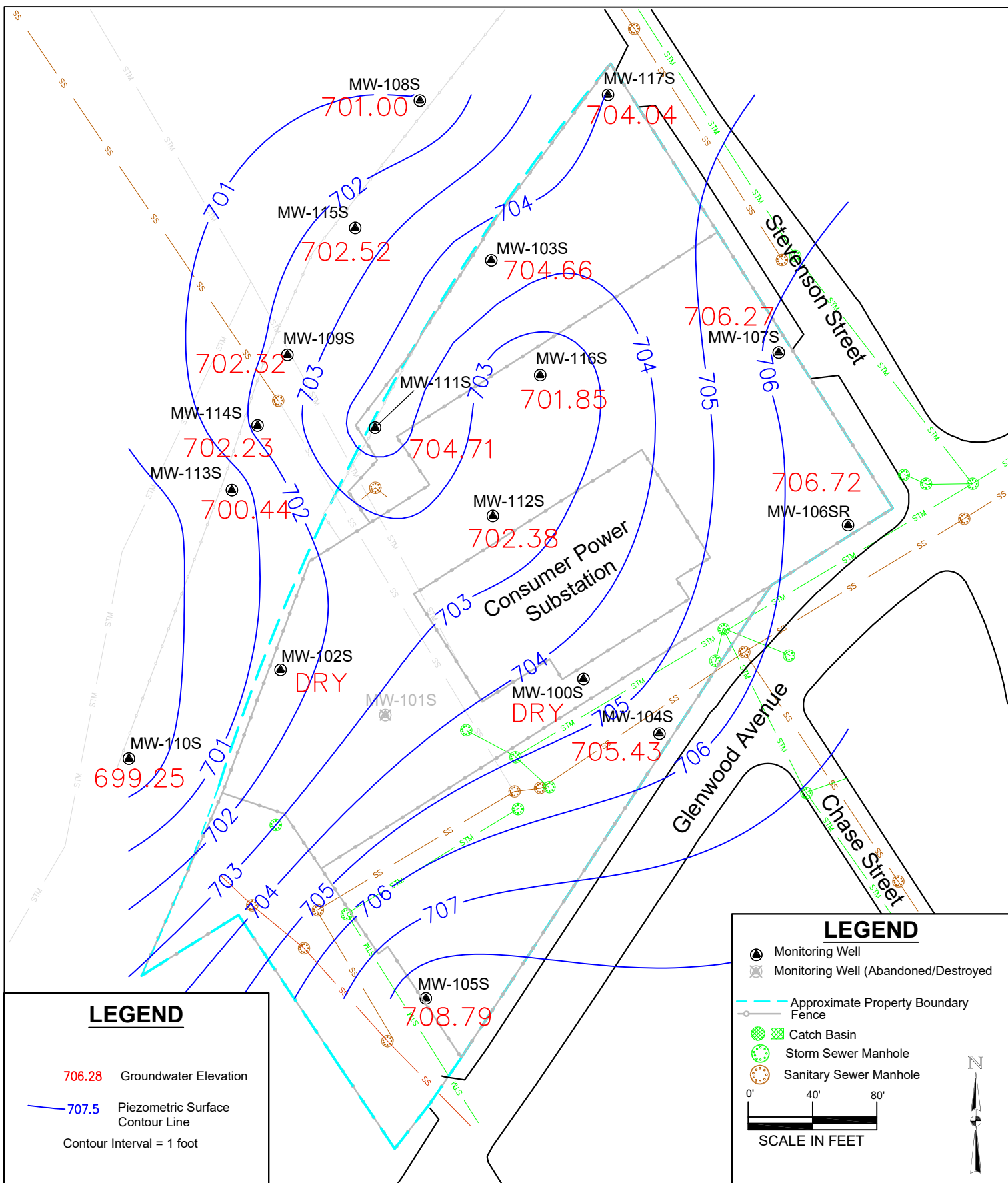
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PROJECT:

11-4317-102

FIGURE:

2

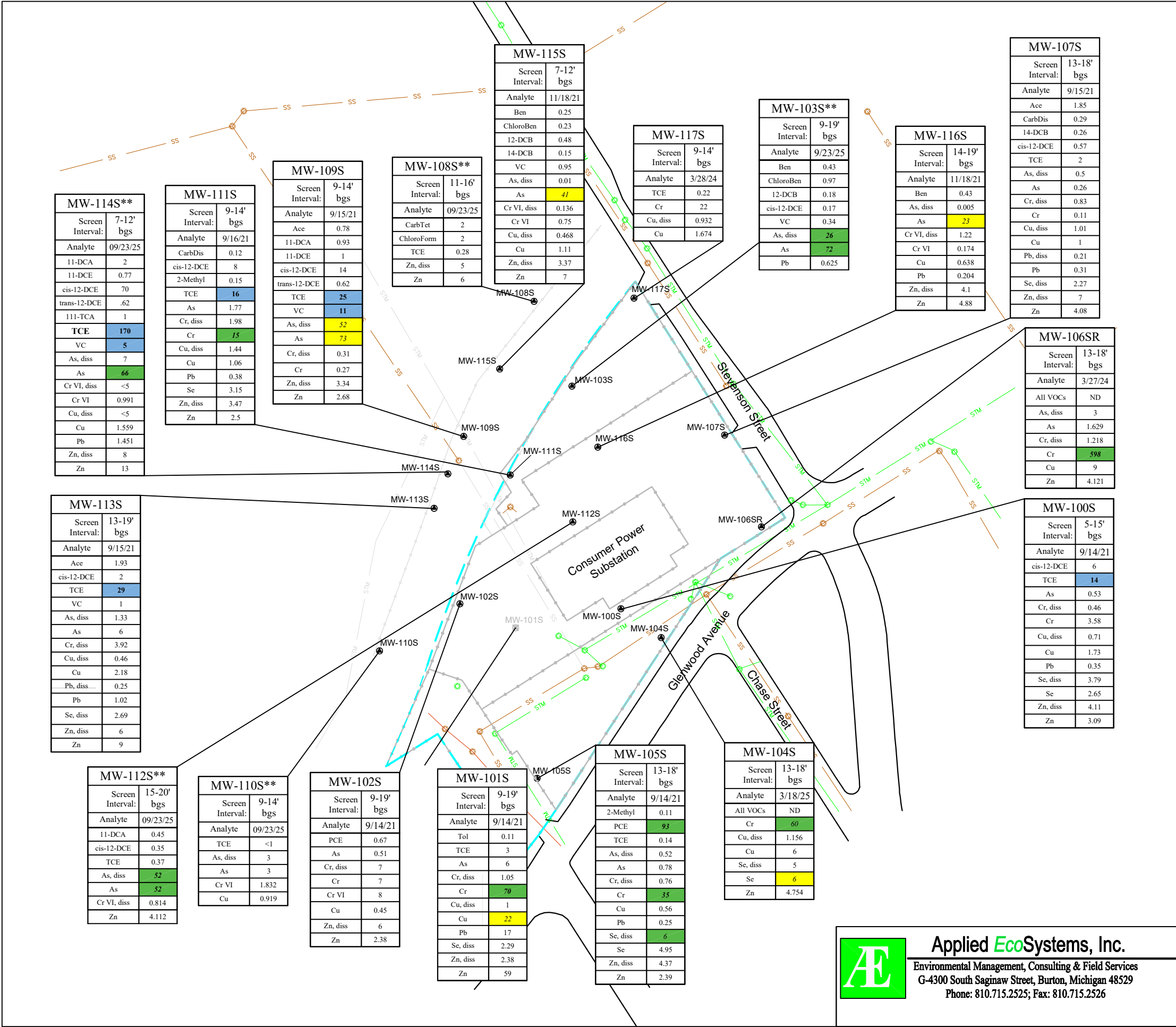


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Groundwater Contour Map (September 23, 2025)

RACER Flint West -12990
Flint West Industrial Land, Flint, Michigan

DATE:	CHECKED BY:
12/22/2025	MDS
PROJECT:	FIGURE:
11-4317-102	3



LEGEND

● Monitoring Well

Results in ug/L

Acronym Legend

Acronym	Analyte Name
Ace	Acetone
MEK	2-Butanone (MEK)
Ben	Benzene
n-Butly	n-Butylbenzene
BromoChlEth	Bromodichloromethane
CarbDis	Carbon disulfide
CarbTet	Carbon tetrachloride
ChloroBen	Chlorobenzene
ChloroForm	Chloroform
ChloroMeth	Chloromethane
11-DCA	1,1-Dichloroethane
11-DCE	1,1-Dichloroethylene
12-DCB	1,2-Dichlorobenzene
13-DCB	1,3-Dichlorobenzene
14-DCB	1,4-Dichlorobenzene
cis-12-DCE	cis-1,2-Dichloroethylene
trans-12-DCE	trans-1,2-Dichloroethylene
Ethyl	Ethyl benzene
2-Hex	2-Hexanone
p-Isopro	p-Isopropyltoluene
2-Methyl	2-Methylnapthalene
MIBK	4-Methyl-2-pentanone (MIBK)
VOC	Volatile Organic Compounds
ND	Not Detected

Acronym Legend

Acronym	Analyte Name
Methyl Chlor	Methylene chloride
Naph	Naphthalene
111-TCA	1,1,1-Trichloroethane
123-TCB	1,2,3-Trichlorobenzene
123-TMB	1,2,3-Trimethylbenzene
124-TCB	1,2,4-Trichlorobenzene
124-TMB	1,2,4-Trimethylbenzene
135-TMB	1,3,5-Trimethylbenzene
PCE	Tetrachloroethylene (PCE)
TetraHyd	Tetrahydrofuran
Tol	Toluene
TCE	Trichloroethylene (TCE)
VC	Vinyl Chloride
Xyl, Total	Xylenes, Total
As, diss	Arsenic, Dissolved
As	Arsenic
Cr, diss	Chromium, Total, Dissolved
Cr	Chromium, Total
Cr VI, diss	Chromium, VI, Dissolved
Cr VI	Chromium, VI
Cu, diss	Copper, Dissolved
Cu	Copper
Pb, diss	Lead, Dissolved
Pb	Lead
Se, diss	Selenium, Dissolved
Se	Selenium
Zn, diss	Zinc, Dissolved
Zn	Zinc

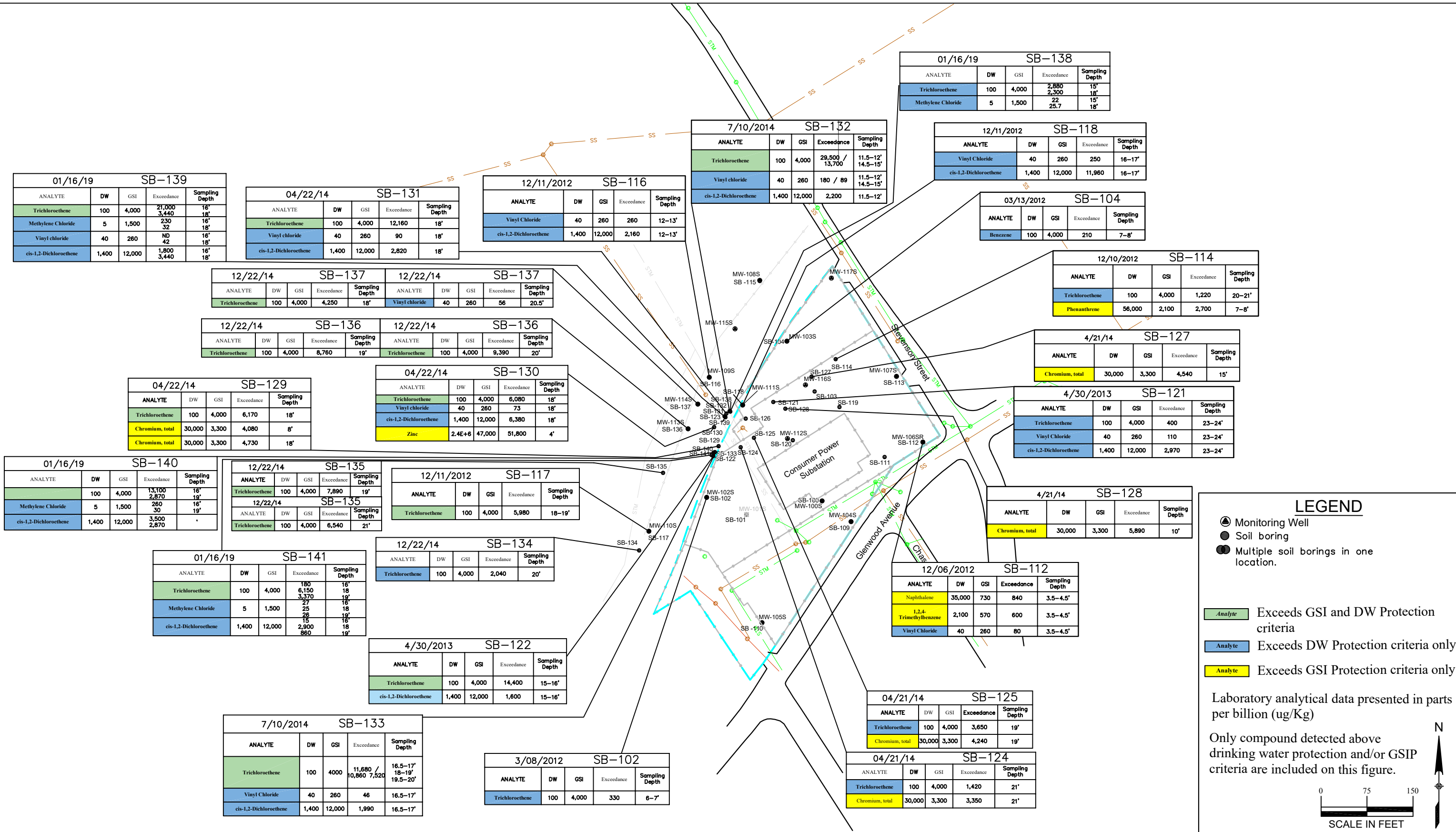
**** - Well was sampled during the most recent sampling event (March 2025).**

Wells that were not sampled during the current sampling event show the analytical results from the last time the wells was sampled.

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Summary of Drinking Water and GSI Exceedances in Groundwater (VOCs) and Metals
RACER Flint West -12990
Flint West Industrial Land, Flint, Michigan

DRAWING DATE:	CHECKED BY:
12/22/2025	MDS
PROJECT:	FIGURE:
11-4317-102	4

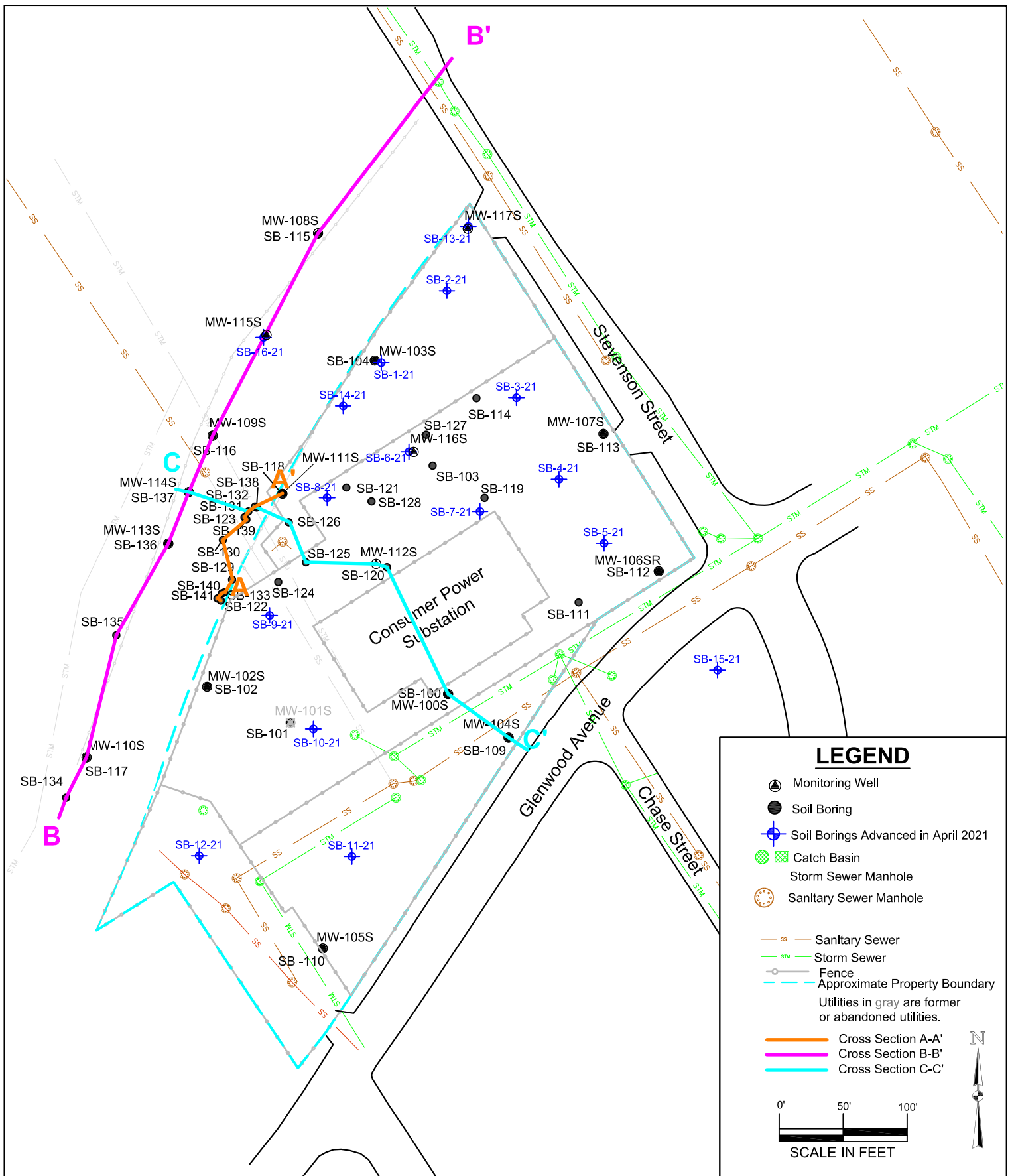


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**Drinking Water Protection and GSIP
Exceedances in Soil (VOCs and Metals)**

**RACER Flint West -12990
Flint West Industrial Land, Flint, Michigan**

12/22/2025	MDS
PROJECT:	FIGURE:
11-4317-102	5



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Cross Section Locations Map

RACER Flint West -12990
Flint West Industrial Land, Flint, Michigan

DATE:

12/22/2025

CHECKED BY:

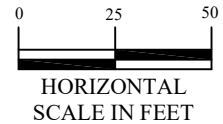
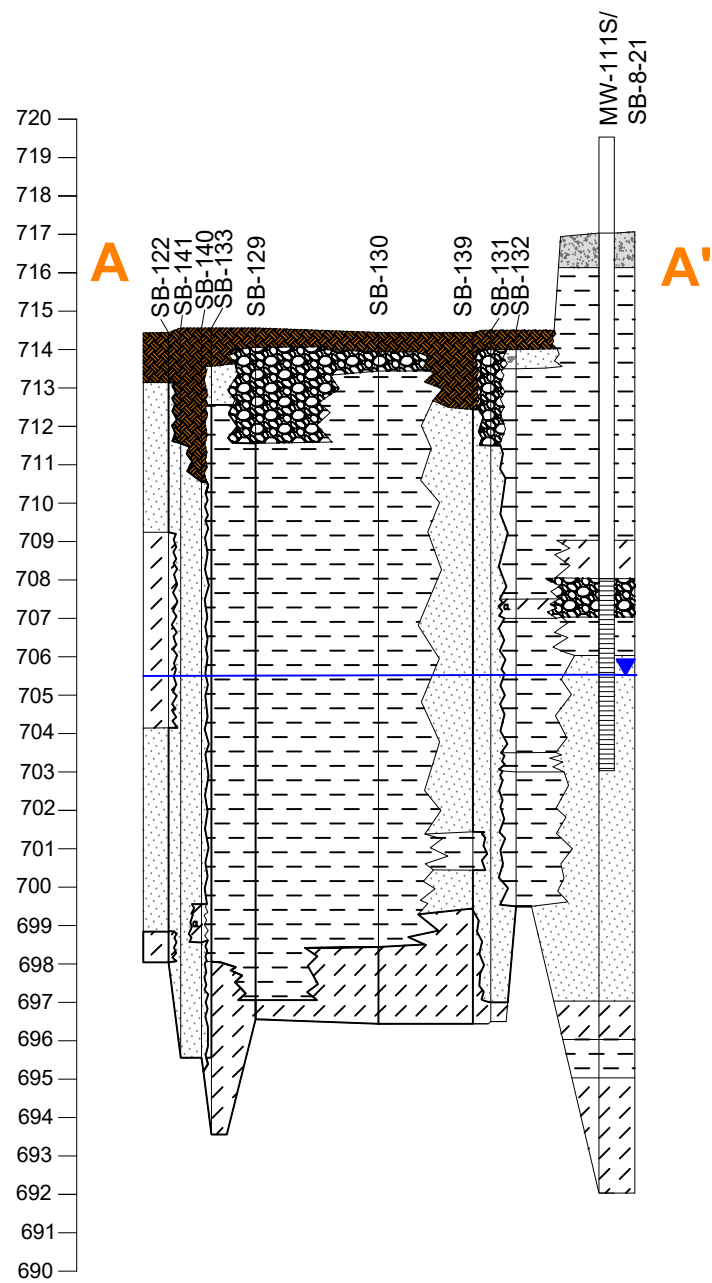
MDS

PROJECT:

11-4317-102

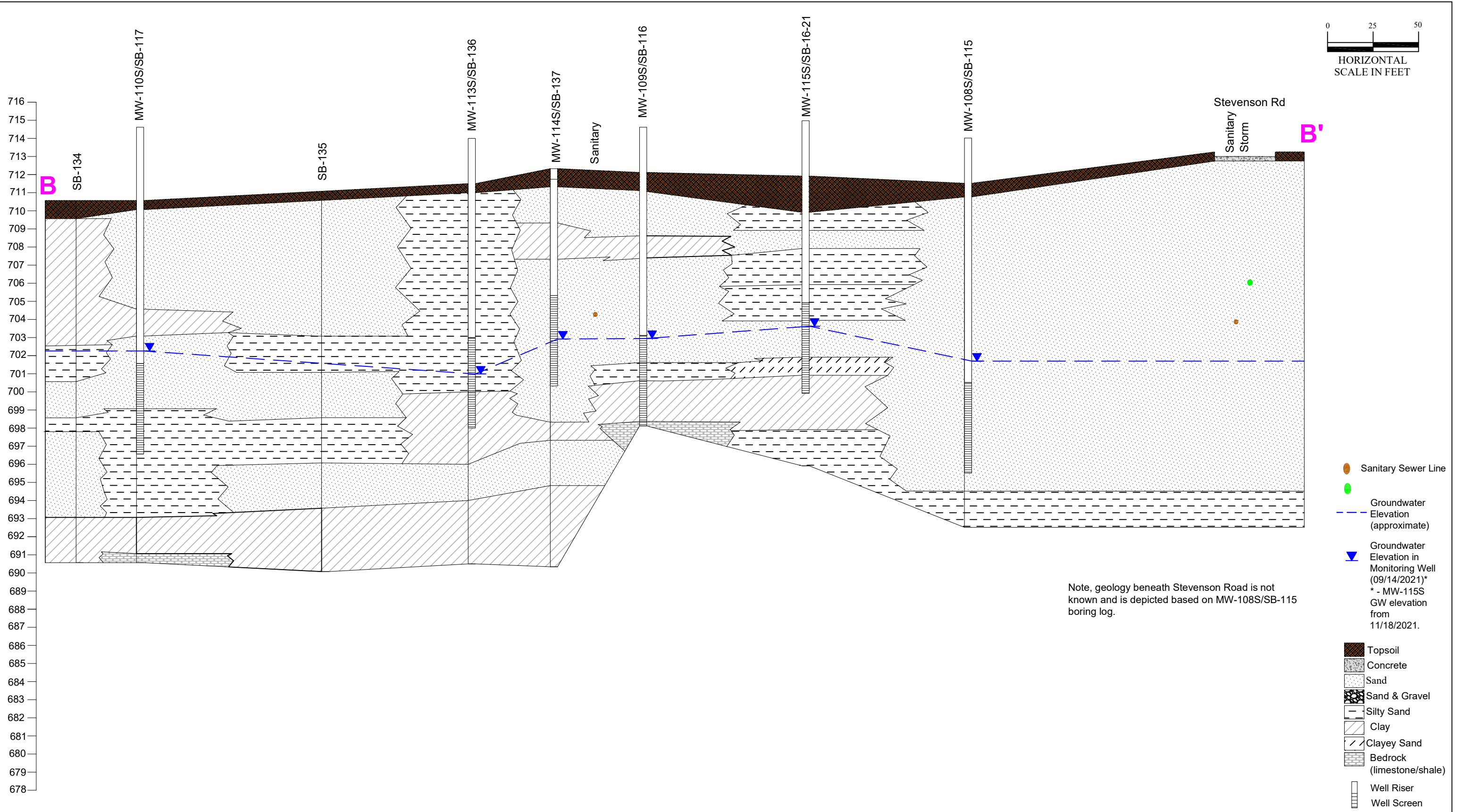
FIGURE:

1A0



- Sanitary Sewer Line
- Groundwater Elevation (approximate)
- Groundwater Elevation in Monitoring Well (09/14/2021)*
* - MW-115S
GW elevation from 11/18/2021.
- Topsoil
- Concrete
- Sand
- Sand & Gravel
- Silty Sand
- Clay
- Clayey Sand
- Bedrock (limestone/shale)
- Well Riser
- Well Screen

	Applied <i>Eco</i> Systems, Inc.	<i>Cross Section A-A'</i>		DRAWING DATE:	CHECKED BY:
	Environmental Management, Consulting & Field Services G-4300 South Saginaw Street, Burton, Michigan 48529 Phone: 810.715.2525; Fax: 810.715.2526	RACER Flint West -12990 Flint West Industrial Land, Flint, Michigan		12/22/2025	MDS
				PROJECT:	FIGURE:
				11-4317-102	1A1



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Cross Section B-B'
RACER Flint West -12990
Flint West Industrial Land, Flint, Michigan

DRAWING DATE:	CHECKED BY:
12/22/2025	MDS
PROJECT:	FIGURE:
11-4317-102	1A2

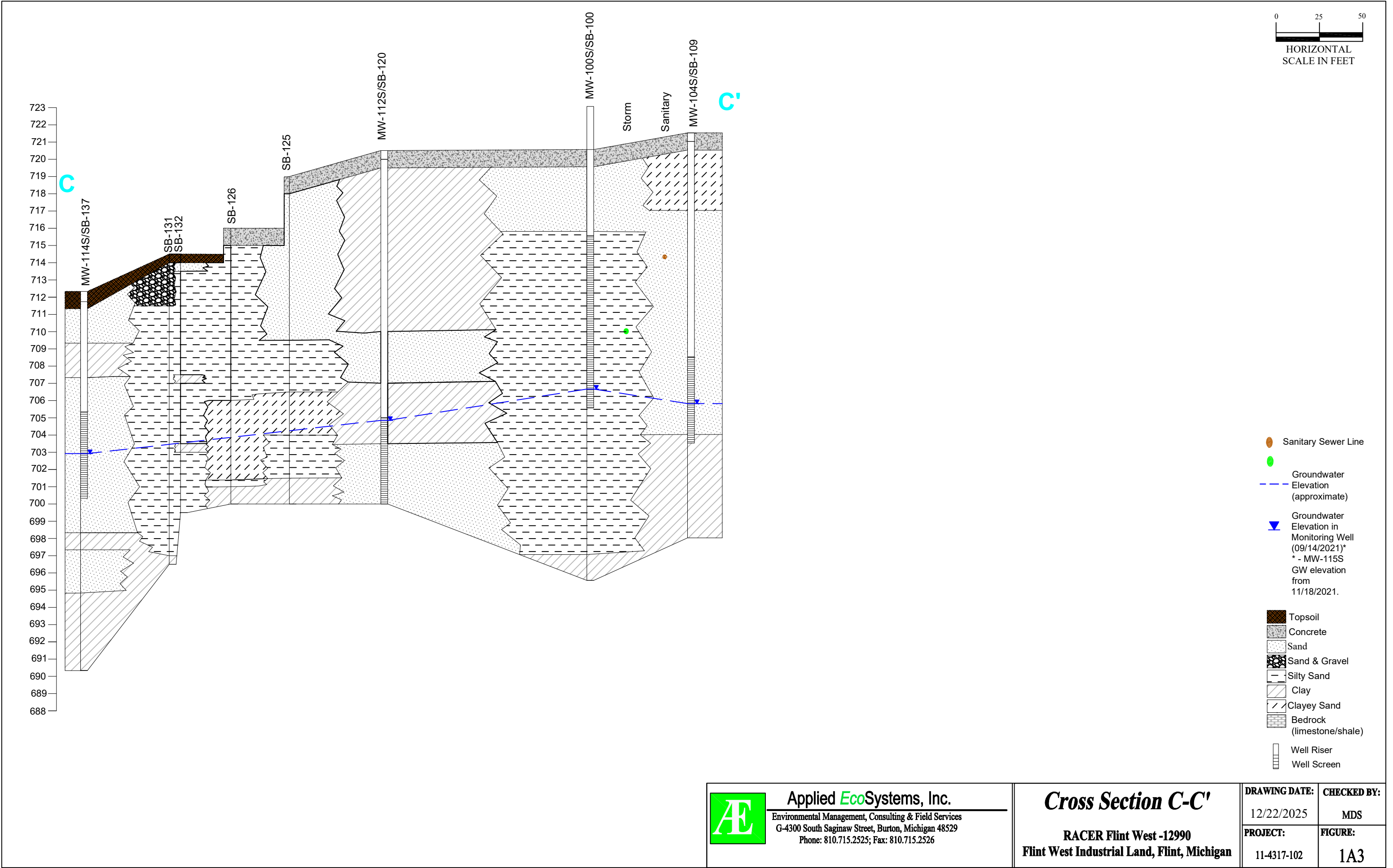


Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Acetone	2-Butanone (MEK)	Benzene	n-Butylbenzene	Bromodichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	2-Hexanone	p-Isopropyltoluene
Chemical Abstract Service Number						67-64-1	78-93-3	71-43-2	104-51-8	75-27-4	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	75-34-3	75-35-4	95-50-1	541-73-1	106-46-7	156-59-2	156-60-5	100-41-4	591-78-6	99-87-6
Drinking Water - Res						730	13,000	5 (A)	80	80 (A,W)	800	5 (A)	100 (A)	80 (A,W)	260	880	7 (A)	600 (A)	6.6	75 (A)	70 (A)	100 (A)	74 (E)	1,000	NA
Drinking Water - Non-Res						2,100	38,000	5 (A)	230	80 (A,W)	2,300	5 (A)	100 (A)	80 (A,W)	1,100	2,500	7 (A)	600 (A)	19	75 (A)	70 (A)	100 (A)	74 (E)	2,900	NA
Groundwater Surface Water Interface						1,700	2,200	200 (X)	ID	ID	ID	38 (X)	25	350	ID	740	130	13	28	17	620	1,500 (X)	18	ID	NA
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																				
MW-100S TOS(bgs): 5 BOS(bgs): 15 GE: 720.56 Finish: stickup Stickup Height: 2.50	723.06	ND	14.97	708.09	07/16/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	12	<1	<1	<50	<5
	723.06	ND	15.26	707.80	02/25/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	0.15	<1	<1	<1	0.32	<1	9	<1	<1	<50	<5
	723.06	ND	16.07	706.99	08/18/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	0.25	<1	<1	<1	<1	<1	3	<1	<1	<50	<5
	723.06	ND	17.48	705.58	03/02/21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	723.06	ND	16.40	706.66	09/14/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	6	<1	<1	<50	<5
	723.06	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.63	705.43	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.42	705.64	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.62	705.44	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.40	705.66	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	16.35	706.71	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	15.94	707.12	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-101S TOS(bgs): 9 BOS(bgs): 19 GE: 719.58 Finish: stickup Stickup Height: 2.50 well destroyed well destroyed well destroyed well destroyed Abandoned 3/18/25	722.08	ND	15.84	706.24	07/16/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.08	ND	16.00	706.08	02/25/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	0.25	<1	<1	<1	<1	<50	<5
	722.08	ND	17.00	705.08	08/18/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.08	ND	18.58	703.50	03/03/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.08	ND	17.59	704.49	09/14/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.08	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	15.96	706.12	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	16.56	705.52	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-102S TOS(bgs): 9 BOS(bgs): 19 GE: 720.28 Finish: stickup Stickup Height: 2.50	722.78	ND	15.58	707.20	07/17/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.78	ND	15.61	707.17	02/25/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	0.11	<1	<1	<1	<1	<50	<5
	722.78	ND	16.13	706.65	08/18/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	0.15	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.78	ND	17.07	705.71	03/02/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.78	ND	16.48	706.30	09/14/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.78	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.81	705.97	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.36	705.42	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.39	705.39	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.23	705.55	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.78	707.00	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.88	706.90	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Acetone	2-Butanone (MEK)	Benzene	n-Butylbenzene	Bromodichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	2-Hexanone	p-Isopropyltoluene
Chemical Abstract Service Number						67-64-1	78-93-3	71-43-2	104-51-8	75-27-4	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	75-34-3	75-35-4	95-50-1	541-73-1	106-46-7	156-59-2	156-60-5	100-41-4	591-78-6	99-87-6
Drinking Water - Res						730	13,000	5 (A)	80	80 (A,W)	800	5 (A)	100 (A)	80 (A,W)	260	880	7 (A)	600 (A)	6.6	75 (A)	70 (A)	100 (A)	74 (E)	1,000	NA
Drinking Water - Non-Res						2,100	38,000	5 (A)	230	80 (A,W)	2,300	5 (A)	100 (A)	80 (A,W)	1,100	2,500	7 (A)	600 (A)	19	75 (A)	70 (A)	100 (A)	74 (E)	2,900	NA
Groundwater Surface Water Interface						1,700	2,200	200 (X)	ID	ID	ID	38 (X)	25	350	ID	740	130	13	28	17	620	1,500 (X)	18	ID	NA
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																				
MW-103S TOS(bgs): 9 BOS(bgs): 19 GE: 717.16 Finish: stickup Stickup Height: 2.50	719.66	ND	13.71	705.95	07/17/19	4.1	<25	0.26	<1	<1	<5	<1	0.47	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	719.66	ND	13.58	706.08	02/28/20	<50	<25	0.26	<1	<1	0.26	<1	0.53	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	719.66	ND	14.22	705.44	08/19/20	<50	<25	0.91	<1	<1	<5	<1	3	<1	0.91	<1	<1	0.13	<1	<1	0.44	<1	<1	<50	<5
	719.66	ND	15.05	704.61	03/03/21	<50	<25	0.71	<1	<1	<5	<1	4	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	719.66	ND	14.31	705.35	09/14/21	<50	<25	<1	<1	<1	0.17	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	719.66	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.66	14.68	14.86	704.80	03/16/22	<50	<25	0.54	<1	<1	0.18	<1	0.64	<1	<5	<1	<1	<1	<1	<1	0.12	<1	<1	<50	<5
	719.66	ND	15.05	704.61	09/13/22	<50	<25	1	<1	<1	<5	<1	2	<1	<5	<1	<1	0.17	<1	0.13	0.16	<1	<1	<50	<5
	719.66	ND	15.00	704.66	03/21/23	<50	<25	0.22	0.2	<1	0.24	<1	3	<1	<5	<1	<1	0.27	<1	<1	<1	<1	0.12	<50	0.11
	719.66	ND	13.22	706.44	09/14/23	<50	<25	<1	<1	<1	<5	<1	0.18	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	719.66	ND	13.69	705.97	03/28/24	<50	<25	0.25	<1	<1	<5	<1	0.33	<1	<5	<1	<1	<1	<1	<1	0.2	<1	<1	<50	<5
	719.66	ND	13.87	705.79	09/17/24	<50	<25	0.92	<1	<1	<5	<1	1	<1	<5	<1	<1	<1	<1	<1	0.56	<1	<1	<50	<5
	719.66	ND	15.01	704.65	03/18/25	<50	<25	0.31	<1	<1	<5	<1	2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	719.66	ND	15.00	704.66	09/23/25	<50	<25	0.43	<1	<1	<5	<1	0.97	<1	<5	<1	<1	0.18	<1	<1	0.17	<1	<1	<50	<5
MW-104S TOS(bgs): 13 BOS(bgs): 18 GE: 721.53 Finish: flushmount TOC Depth: -0.50	721.03	ND	13.68	707.35	07/16/19	<50	<25	<1	<1	<1	<5	<1	<1	0.29	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	ND	13.79	707.24	02/25/20	<50	<25	<1	<1	0.17	<5	<1	<1	0.71	<5	<1	<1	<1	0.37	<1	<1	<1	<1	<50	<5
	721.03	ND	14.22	706.81	08/18/20	<50	<25	<1	<1	0.23	0.11	<1	<1	1	0.17	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	ND	9.12	711.91	03/02/21	<50	<25	<1	<1	<1	<5	<1	<1	1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	ND	15.21	705.82	09/14/21	<50	<25	<1	<1	0.25	<5	<1	<1	1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.47	705.56	03/16/22	<50	<25	<1	<1	0.19	0.19	<1	<1	0.45	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	ND	15.21	705.82	09/13/22	<50	<25	<1	<1	0.28	0.13	<1	<1	0.47	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	ND	16.25	704.78	03/21/23	<50	<25	<1	<1	<1	<5	<1	<1	0.59	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	14.52	706.51	03/27/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	721.03	ND	14.15	706.88	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-105S TOS(bgs): 13 BOS(bgs): 18 GE: 723.64 Finish: flushmount TOC Depth: -0.50	723.14	ND	12.88	710.26	07/16/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.14	ND	12.89	710.25	02/25/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	0.26	<1	<1	<1	<1	<50	<5
	723.14	ND	14.32	708.82	08/18/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.14	ND	14.33	708.81	03/02/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.14	ND	14.34	708.80	09/14/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.14	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.15	708.99	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.17	708.97	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.69	708.45	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.08	709.06	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.30	709.84	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.43	709.71	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.03	709.11	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Acetone	2-Butanone (MEK)	Benzene	n-Butylbenzene	Bromodichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	2-Hexanone	p-Isopropyltoluene
Chemical Abstract Service Number						67-64-1	78-93-3	71-43-2	104-51-8	75-27-4	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	75-34-3	75-35-4	95-50-1	541-73-1	106-46-7	156-59-2	156-60-5	100-41-4	591-78-6	99-87-6
Drinking Water - Res						730	13,000	5 (A)	80	80 (A,W)	800	5 (A)	100 (A)	80 (A,W)	260	880	7 (A)	600 (A)	6.6	75 (A)	70 (A)	100 (A)	74 (E)	1,000	NA
Drinking Water - Non-Res						2,100	38,000	5 (A)	230	80 (A,W)	2,300	5 (A)	100 (A)	80 (A,W)	1,100	2,500	7 (A)	600 (A)	19	75 (A)	70 (A)	100 (A)	74 (E)	2,900	NA
Groundwater Surface Water Interface						1,700	2,200	200 (X)	ID	ID	ID	38 (X)	25	350	ID	740	130	13	28	17	620	1,500 (X)	18	ID	NA
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																				
MW-106SR TOS(bgs): 13 BOS(bgs): 18 GE: 723.86 Finish: flushmount TOC Depth: -0.50	723.36	ND	14.56	708.80	07/16/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.36	ND	14.63	708.73	02/25/20	<50	<25	<1	<1	<1	<5	<1	<1	0.24	<5	<1	<1	<1	0.23	<1	<1	<1	<1	<50	<5
	723.36	ND	14.32	709.04	08/18/20	<50	<25	<1	<1	<1	<5	<1	<1	0.23	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.36	DRY	16.47	706.89	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	DRY	15.87	707.49	09/14/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.36	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.30	707.06	03/16/22	<50	<25	<1	<1	<1	0.24	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.36	ND	15.92	707.44	09/13/22	<50	<25	<1	<1	<1	0.15	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.36	ND	17.09	706.27	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	15.11	708.25	09/14/23	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.36	ND	15.21	708.15	03/27/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	723.36	ND	15.85	707.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.06	707.30	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-107S TOS(bgs): 13 BOS(bgs): 18 GE: 723.37 Finish: flushmount TOC Depth: -0.50	722.87	ND	15.35	707.52	07/16/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.87	ND	15.27	707.60	02/25/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	0.26	<1	0.11	<1	<1	<50	<5
	722.87	ND	14.62	708.25	08/18/20	<50	<25	0.14	<1	<1	<5	<1	<1	<1	0.11	0.29	<1	<1	<1	<1	1	<1	<1	<50	<5
	722.87	ND	16.81	706.06	03/02/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	10	<1	<1	<50	<5
	722.87	ND	16.20	706.67	09/15/21	1.85	<25	<1	<1	<1	0.29	<1	<1	<1	<5	<1	<1	<1	<1	0.26	0.57	<1	<1	<50	<5
	722.87	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.61	706.26	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.40	706.47	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	17.21	705.66	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.87	707.00	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.64	707.23	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.07	706.80	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-108S TOS(bgs): 11 BOS(bgs): 16 GE: 711.52 Finish: stickup Stickup Height: 2.50	714.02	ND	11.22	702.80	07/17/19	<50	<25	<1	<1	<1	<5	2	<1	1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	10.85	703.17	02/27/20	<50	<25	<1	<1	<1	<5	2	<1	0.81	<5	<1	<1	<1	0.13	<1	<1	<1	<1	<50	<5
	714.02	ND	11.97	702.05	08/19/20	<50	<25	<1	<1	<1	0.12	3	<1	1	0.23	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	12.34	701.68	03/03/21	<50	<25	<1	<1	<1	<5	2	<1	1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	12.32	701.70	09/15/21	2.6	<25	<1	<1	<1	<5	2	<1	2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	11.90	702.12	03/16/22	<50	<25	<1	<1	<1	0.2	2	<1	0.8	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	12.97	701.05	09/13/22	<50	<25	<1	<1	<1	<5	2	<1	2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	12.45	701.57	03/21/23	<50	<25	<1	<1	<1	<5	2	<1	2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	10.66	703.36	09/14/23	<50	<25	<1	<1	<1	<5	3	<1	1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	10.71	703.31	03/27/24	<50	<25	<1	<1	<1	<5	2	<1	0.87	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	11.47	702.55	09/17/24	<50	<25	<1	<1	<1	<5	2	<1	0.67	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	11.09	702.93	03/18/25	<50	<25	<1	<1	<1	<5	2	<1	0.76	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	Dupe1 (MW-108S)		--		03/18/25	<50	<25	<1	<1	<1	<5	2	<1	0.76	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	714.02	ND	13.02	701.00	09/23/25	<50	<25	<1	<1	<1	<5	2	<1	2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Acetone	2-Butanone (MEK)	Benzene	n-Butylbenzene	Bromodichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	2-Hexanone	p-Isopropyltoluene
Chemical Abstract Service Number						67-64-1	78-93-3	71-43-2	104-51-8	75-27-4	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	75-34-3	75-35-4	95-50-1	541-73-1	106-46-7	156-59-2	156-60-5	100-41-4	591-78-6	99-87-6
Drinking Water - Res						730	13,000	5 (A)	80	80 (A,W)	800	5 (A)	100 (A)	80 (A,W)	260	880	7 (A)	600 (A)	6.6	75 (A)	70 (A)	100 (A)	74 (E)	1,000	NA
Drinking Water - Non-Res						2,100	38,000	5 (A)	230	80 (A,W)	2,300	5 (A)	100 (A)	80 (A,W)	1,100	2,500	7 (A)	600 (A)	19	75 (A)	70 (A)	100 (A)	74 (E)	2,900	NA
Groundwater Surface Water Interface						1,700	2,200	200 (X)	ID	ID	ID	38 (X)	25	350	ID	740	130	13	28	17	620	1,500 (X)	18	ID	NA
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																				
MW-109S TOS(bgs): 9 BOS(bgs): 14 GE: 712.12 Finish: stickup Stickup Height: 2.50	714.62	ND	11.14	703.48	07/17/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	1	0.82	<1	<1	<1	9	0.42	<1	<50	<5
	714.62	ND	10.89	703.73	02/27/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	0.13	1	1	<1	0.1	<1	17	0.5	<1	<50	<5
	714.62	ND	11.66	702.96	08/19/20	<50	<25	<1	<1	<1	0.1	<1	<1	<1	0.22	0.96	1	<1	<1	<1	14	0.57	<1	<50	<5
	714.62	ND	11.98	702.64	03/03/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.7	1	<1	<1	<1	15	0.48	<1	<50	<5
	714.62	ND	11.67	702.95	09/15/21	0.78	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.93	1	<1	<1	<1	14	0.62	<1	<50	<5
	714.62	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.59	703.03	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	12.25	702.37	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.70	702.92	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.08	703.54	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	8.10	706.52	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-110S TOS(bgs): 9 BOS(bgs): 14 GE: 710.57 Finish: stickup Stickup Height: 2.50	713.07	ND	11.83	701.24	07/17/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	11.45	701.62	02/27/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	0.14	<1	<1	<1	<50	<5	
	713.07	ND	12.18	700.89	08/19/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	0.17	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	12.04	701.03	03/03/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	12.36	700.71	09/15/21	2.02	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	713.07	ND	12.02	701.05	03/16/22	<50	<25	<1	<1	<1	0.2	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	12.76	700.31	09/13/22	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	11.73	701.34	03/21/23	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	11.54	701.53	09/14/23	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	11.17	701.90	03/27/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
MW-111S TOS(bgs): 9 BOS(bgs): 14 GE: 717.03 Finish: stickup Stickup Height: 2.50	713.07	ND	12.88	700.19	09/17/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	11.07	702.00	03/18/25	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	713.07	ND	13.82	699.25	09/23/25	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<50	<5	
	719.53	ND	12.88	706.65	07/17/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	0.82	<1	<1	<50	<5
	719.53	ND	12.65	706.88	02/27/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	0.21	<1	0.35	<1	<1	<50	<5
	719.53	ND	13.54	705.99	08/19/20	<50	<25	<1	<1	<1	0.1	<1	<1	0.11	0.2	<1	<1	<1	<1	<1	1	<1	<1	<50	<5
	719.53	ND	14.55	704.98	03/03/21	<50	<25	<1	<1	<1	<5	<1	<1	0.34	<5	1	0.6	<1	<1	<1	18	<1	<1	<50	<5
	719.53	ND	13.63	705.90	09/16/21	<50	<25	<1	<1	<1	0.12	<1	<1	<1	<5	<1	<1	<1	<1	<1	8	<1	<1	<50	<5
	719.53	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.01	705.52	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.59	704.94	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.07	706.46	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.17	706.36	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.25	705.28	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Acetone	2-Butanone (MEK)	Benzene	n-Butylbenzene	Bromodichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	2-Hexanone	p-Isopropyltoluene
Chemical Abstract Service Number						67-64-1	78-93-3	71-43-2	104-51-8	75-27-4	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	75-34-3	75-35-4	95-50-1	541-73-1	106-46-7	156-59-2	156-60-5	100-41-4	591-78-6	99-87-6
Drinking Water - Res						730	13,000	5 (A)	80	80 (A,W)	800	5 (A)	100 (A)	80 (A,W)	260	880	7 (A)	600 (A)	6.6	75 (A)	70 (A)	100 (A)	74 (E)	1,000	NA
Drinking Water - Non-Res						2,100	38,000	5 (A)	230	80 (A,W)	2,300	5 (A)	100 (A)	80 (A,W)	1,100	2,500	7 (A)	600 (A)	19	75 (A)	70 (A)	100 (A)	74 (E)	2,900	NA
Groundwater Surface Water Interface						1,700	2,200	200 (X)	ID	ID	ID	38 (X)	25	350	ID	740	130	13	28	17	620	1,500 (X)	18	ID	NA
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																				
MW-112S TOS(bgs): 15 BOS(bgs): 20 GE: 720.50 Finish: flushmount TOC Depth: -0.50	720.00	ND	14.43	705.57	07/16/19	4.8	<25	0.19	<1	<1	<5	<1	<1	<1	<5	0.85	1	<1	<1	<1	3	0.29	<1	<50	<5
	Dupe 1 (MW-112S)			--	07/16/19	4.1	<25	0.21	<1	<1	<5	<1	<1	<1	<5	0.78	1	<1	<1	<1	3	0.31	<1	<50	<5
	720.00	ND	14.59	705.41	02/27/20	<50	<25	0.2	<1	<1	<5	<1	<1	<1	<5	0.99	1	0.15	0.19	<1	3	0.28	<1	<50	<5
	Dupe 1 (MW-112S)			--	02/27/20	<50	<25	0.22	<1	<1	<5	<1	<1	<1	<5	1	1	0.11	0.2	<1	3	0.24	<1	<50	<5
	720.00	ND	14.95	705.05	08/18/20	<50	<25	0.17	<1	<1	<5	<1	<1	<1	<5	0.7	1	<1	<1	<1	2	0.19	<1	<50	<5
	Dupe #1 (MW-112S)			--	08/18/20	<50	<25	0.16	<1	<1	<5	<1	<1	<1	<5	0.66	1	<1	<1	<1	2	0.17	<1	<50	<5
	720.00	ND	17.02	702.98	03/02/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	1	0.75	<1	<1	<1	4	<1	<1	<50	<5
	Dupe1 (MW-112S)			--	03/02/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	1	0.82	<1	<1	<1	4	0.24	<1	<50	<5
	720.00	ND	15.15	704.85	09/15/21	4.13	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.51	0.92	<1	<1	<1	2	<1	<1	<50	<5
	Dupe 1			--	09/15/21	<50	<25	0.12	<1	<1	<5	<1	0.14	<1	<5	0.61	1	0.11	<1	<1	3	0.18	<1	<50	<5
	720.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.00	ND	16.35	703.65	03/16/22	<50	<25	<1	<1	<1	0.23	<1	<1	<1	<5	0.41	0.38	0.12	<1	<1	0.88	0.13	<1	<50	<5
	720.00	ND	16.70	703.30	09/13/22	6.5	<25	<1	<1	<1	0.15	<1	<1	<1	<5	0.69	0.39	<1	<1	<1	3	0.17	<1	<50	<5
	720.00	ND	16.80	703.20	03/21/23	5.4	<25	<1	<1	<1	0.23	<1	<1	<1	<5	0.35	<1	<1	<1	<1	0.78	<1	<1	<50	<5
	720.00	ND	14.27	705.73	09/14/23	<50	<25	0.2	<1	<1	<5	<1	<1	<1	<5	0.68	1	<1	<1	<1	3	0.3	<1	<50	<5
	720.00	ND	15.19	705.73	03/27/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.44	0.35	<1	<1	<1	0.94	<1	<1	<50	<5
	720.00	ND	14.61	705.73	09/17/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.55	0.95	0.14	<1	<1	2	<1	<1	<50	<5
	720.00	ND	16.04	705.73	03/18/25	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.37	<1	<1	<1	<1	0.76	<1	<1	<50	<5
	720.00	ND	17.62	705.73	09/23/25	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.45	<1	<1	<1	<1	0.35	<1	<1	<50	<5
MW-113S TOS(bgs): 8.5 BOS(bgs): 13.5 GE: 711.50 Finish: stickup Stickup Height: 2.50	714.00	ND	12.31	701.69	07/17/19	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	1	<1	<1	<50	<5
	714.00	ND	12.02	701.98	02/27/20	<50	<25	<1	<1	<1	<5	<1	<1	<1	0.44	<1	<1	<1	0.17	<1	0.44	<1	<1	<50	<5
	714.00	ND	12.79	701.21	08/19/20	<50	<25	<1	<1	<1	0.12	<1	<1	0.12	0.31	<1	0.21	<1	<1	<1	1	<1	<1	<50	<5
	714.00	ND	12.94	701.06	03/03/21	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	0.34	<1	<1	<50	<5
	714.00	ND	13.01	700.99	09/15/21	1.93	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	2	<1	<1	<50	<5
	714.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.89	701.11	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.60	700.40	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.00	701.00	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.78	701.22	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.21	701.79	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.49	701.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.08	701.92	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Acetone	2-Butanone (MEK)	Benzene	n-Butylbenzene	Bromodichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	2-Hexanone	p-Isopropyltoluene
Chemical Abstract Service Number						67-64-1	78-93-3	71-43-2	104-51-8	75-27-4	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	75-34-3	75-35-4	95-50-1	541-73-1	106-46-7	156-59-2	156-60-5	100-41-4	591-78-6	99-87-6
Drinking Water - Res						730	13,000	5 (A)	80	80 (A,W)	800	5 (A)	100 (A)	80 (A,W)	260	880	7 (A)	600 (A)	6.6	75 (A)	70 (A)	100 (A)	74 (E)	1,000	NA
Drinking Water - Non-Res						2,100	38,000	5 (A)	230	80 (A,W)	2,300	5 (A)	100 (A)	80 (A,W)	1,100	2,500	7 (A)	600 (A)	19	75 (A)	70 (A)	100 (A)	74 (E)	2,900	NA
Groundwater Surface Water Interface						1,700	2,200	200 (X)	ID	ID	ID	38 (X)	25	350	ID	740	130	13	28	17	620	1,500 (X)	18	ID	NA
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)						TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-114S TOS(bgs): 7 BOS(bgs): 12 GE: 712.33 Finish: stickup Stickup Height: -0.59	711.74	ND	8.36	703.38	07/17/19	48	17	<5	<5	<5	<30	<5	<5	<5	<30	2.5	<5	<5	<5	<5	244	1.35	<5	2.05	<30
	Dupe 2 (MW-114S)				07/17/19	51	18	<5	<5	<5	<30	<5	<5	<5	<30	2.55	<5	<5	<5	<5	244	1.45	<5	1.65	<30
	711.74	ND	8.11	703.63	02/27/20	<50	<25	<1	<1	<1	<5	<1	<1	0.22	<5	3	0.84	<1	<1	<1	127	0.78	<1	<50	<5
	Dupe 2 (MW-114S)				02/27/20	<50	<25	<1	<1	<1	<5	<1	<1	0.23	<5	2	0.82	<1	<1	<1	125	0.83	<1	<50	<5
	711.74	ND	8.82	702.92	08/19/20	<500	<250	<10	<10	<10	<50	<10	<10	<10	<50	3	<10	<10	<10	<10	130	1.2	<10	<500	<50
	Dupe #2 (MW-114S)				08/19/20	<500	<250	<10	<10	<10	<50	<10	<10	<10	<50	3.1	<10	<10	<10	<10	120	1	<10	<500	<50
	711.74	ND	9.12	702.62	03/03/21	<500	<250	<10	<10	<10	<50	<10	<10	<10	<50	2.4	<10	<10	<10	<10	100	<10	<10	<500	<50
	Dupe-2 (MW-114S)				03/03/21	<500	<250	<10	<10	<10	<50	<10	<10	<10	<50	2.2	<10	<10	<10	<10	100	<10	<10	<500	<50
	711.74	ND	8.82	702.92	09/15/21	21.3	<250	<10	<10	<10	<50	<10	<10	<10	<50	2.4	<10	<10	<10	<10	150	<10	<10	<500	<50
	Dupe 2				09/15/21	1.94	<25	<1	<1	<1	<5	<1	<1	<1	<5	3	1	<1	<1	<1	169	0.94	<1	<50	<5
	711.74	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	711.74	ND	8.72	703.02	03/16/22	<50	<25	<1	<1	<1	0.19	<1	<1	0.14	<5	2	1	<1	<1	<1	131	0.75	<1	<50	<5
	Dupe1 (MW-114S)				03/16/22	<50	<25	<1	<1	<1	0.2	<1	<1	0.14	<5	2	1	<1	<1	<1	124	0.67	<1	<50	<5
	711.74	ND	9.42	702.32	09/13/22	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	2	2	<1	<1	<1	142	0.95	<1	<50	<5
	Dupe1 (MW-114S)				09/13/22	4.7	<25	<1	<1	<1	<5	<1	<1	<1	<5	2	2	<1	<1	<1	136	0.82	<1	<50	<5
	711.74	ND	8.84	702.90	03/21/23	<250	<130	<5	0.55	<5	<30	<5	<5	<5	<30	1.3	0.9	<5	<5	<5	59	0.55	<5	<250	<30
	Dupe1 (MW-114S)				03/21/23	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	1	1	<1	<1	<1	70	0.57	<1	<50	<5
	711.74	ND	7.98	703.76	09/14/23	<250	<130	<5	<5	<5	<30	<5	<5	<5	<30	1.15	<5	<5	<5	<5	63	<5	<5	<250	<30
	Dupe1 (MW-114S)				09/14/23	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	2	0.78	<1	<1	<1	70	0.64	<1	<50	<5
	711.74	ND	10.89	700.85	03/27/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.77	0.34	<1	<1	<1	36	0.35	<1	<50	<5
	Dup1 (MW-114S)				03/27/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	0.8	0.36	<1	<1	<1	36	0.35	<1	<50	<5
	711.74	ND	8.45	703.29	09/17/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	1	0.56	<1	<1	<1	58	0.64	<1	<50	<5
	Dup1 (MW-114S)				09/17/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	1	0.64	<1	<1	<1	58	0.61	<1	<50	<5
	711.74	ND	8.06	703.68	03/18/25	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	1	0.62	<1	<1	<1	38	0.43	<1	<50	<5
	711.74	ND	9.51	702.23	09/23/25	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	2	0.77	<1	<1	<1	70	0.62	<1	<50	<5
	Dup1 (MW-114S)				09/23/25	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	2	0.85	<1	<1	<1	69	0.64	<1	<50	<5
MW-115S TOS(bgs): 7 BOS(bgs): 12 GE: 711.92 Finish: Stickup Stickup Height: 3.06	714.98	ND	11.35	703.63	11/18/21	<50	<25	0.25	<1	<1	<5	<1	0.23	<1	<5	<1	<1	0.48	<1	0.15	<1	<1	<1	<50	<5
	714.98	ND	11.89	703.09	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	12.43	702.55	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.94	703.04	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.23	703.75	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.10	703.88	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.47	703.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.09	703.89	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a

Groundwater Analytical Results

RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Acetone	2-Butanone (MEK)	Benzene	n-Butylbenzene	Bromodichloromethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	2-Hexanone	p-Isopropyltoluene
Chemical Abstract Service Number						67-64-1	78-93-3	71-43-2	104-51-8	75-27-4	75-15-0	56-23-5	108-90-7	67-66-3	74-87-3	75-34-3	75-35-4	95-50-1	541-73-1	106-46-7	156-59-2	156-60-5	100-41-4	591-78-6	99-87-6
Drinking Water - Res						730	13,000	5 (A)	80	80 (A,W)	800	5 (A)	100 (A)	80 (A,W)	260	880	7 (A)	600 (A)	6.6	75 (A)	70 (A)	100 (A)	74 (E)	1,000	NA
Drinking Water - Non-Res						2,100	38,000	5 (A)	230	80 (A,W)	2,300	5 (A)	100 (A)	80 (A,W)	1,100	2,500	7 (A)	600 (A)	19	75 (A)	70 (A)	100 (A)	74 (E)	2,900	NA
Groundwater Surface Water Interface						1,700	2,200	200 (X)	ID	ID	ID	38 (X)	25	350	ID	740	130	13	28	17	620	1,500 (X)	18	ID	NA
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)						TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-116S TOS(bgs): 14 BOS(bgs): 19 GE: 719.95 Finish: Stickup Stickup Height: 3.02	722.97	ND	19.99	702.98	11/18/21	<50	<25	0.43	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	Dupe1 (MW-116S)			--	11/18/21	<50	<25	0.42	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	722.97	ND	20.87	702.10	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.15	701.82	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.25	701.72	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	20.94	702.03	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.89	703.08	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.88	703.09	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.09	701.88	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-117S TOS(bgs): 9 BOS(bgs): 14 GE: 717.15 Finish: Stickup Stickup Height: 3.09	720.24	ND	14.87	705.37	11/18/21	<50	<25	<1	<1	<1	<5	<1	<1	0.18	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	720.24	ND	15.40	704.84	03/16/22	<50	<25	<1	<1	<1	0.18	<1	<1	0.25	<5	<1	<1	<1	<1	<1	0.21	<1	<1	<50	<5
	720.24	ND	15.62	704.62	09/13/22	<50	<25	<1	<1	<1	<5	<1	<1	0.26	0.12	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	720.24	ND	15.20	705.04	03/21/23	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	720.24	ND	14.59	705.65	09/14/23	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	720.24	ND	14.68	705.56	03/28/24	<50	<25	<1	<1	<1	<5	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<5
	720.24	ND	14.97	705.27	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.24	ND	15.28	704.96	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Results in micrograms per liter (ug/L).

Only compounds detected are included on this summary table. See laboratory report for additional compounds analyzed.

Footnotes are presented behind the analytical summary tables.

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						2-Methylnaphthalene	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1-Trichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	o-Xylene	p,m-Xylene	Xylenes, Total
Chemical Abstract Service Number						91-57-6	108-10-1	75-09-2	91-20-3	71-55-6	87-61-6	526-73-8	120-82-1	95-63-6	127-18-4	109-99-9	108-88-3	79-01-6	75-01-4	95-47-6	NA	1330-20-7
Drinking Water - Res						260	1,800	5 (A)	520	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	95	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Drinking Water - Non-Res						750	5,200	5 (A)	1,500	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	270	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Groundwater Surface Water Interface						19	ID	1,500 (X)	11	89	NA	NA	99 (X)	17	60 (X)	11,000 (X)	270	200 (X)	13 (X)	NA	NA	49
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-100S TOS(bgs): 5 BOS(bgs): 15 GE: 720.56 Finish: stickup Stickup Height: 2.50	723.06	ND	14.97	708.09	07/16/19	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	10	<1	<1	<2	<3
	723.06	ND	15.26	707.80	02/25/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	16	<1	<1	<2	<3
	723.06	ND	16.07	706.99	08/18/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	10	<1	<1	<2	<3
	723.06	ND	17.48	705.58	03/02/21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	723.06	ND	16.40	706.66	09/14/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	14	<1	<1	<2	<3
	723.06	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.63	705.43	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.42	705.64	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.62	705.44	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.40	705.66	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	16.35	706.71	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	15.94	707.12	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-101S TOS(bgs): 9 BOS(bgs): 19 GE: 719.58 Finish: stickup Stickup Height: 2.50 well destroyed well destroyed well destroyed well destroyed Abandoned 3/18/25	722.08	ND	15.84	706.24	07/16/19	<5	<50	<5	<5	<1	<5	<1	<5	<1	0.14	<90	<1	1	<1	<1	<2	<3
	722.08	ND	16.00	706.08	02/25/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	2	<1	<1	<2	<3
	722.08	ND	17.00	705.08	08/18/20	<5	<50	0.12	<5	<1	<5	<1	<5	<1	<1	<90	<1	5	<1	<1	<2	<3
	722.08	ND	18.58	703.50	03/03/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	2	<1	<1	<2	<3
	722.08	ND	17.59	704.49	09/14/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	0.11	3	<1	<1	<2	<3
	722.08	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	15.96	706.12	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	16.56	705.52	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-102S TOS(bgs): 9 BOS(bgs): 19 GE: 720.28 Finish: stickup Stickup Height: 2.50	722.78	ND	15.58	707.20	07/17/19	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	722.78	ND	15.61	707.17	02/25/20	0.1	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.16	<1	<1	<2	<3
	722.78	ND	16.13	706.65	08/18/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.12	<1	<1	<2	<3
	722.78	ND	17.07	705.71	03/02/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	722.78	ND	16.48	706.30	09/14/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.67	<1	<1	<2	<3
	722.78	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.81	705.97	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.36	705.42	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.39	705.39	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.23	705.55	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.78	707.00	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.88	706.90	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						2-Methylnaphthalene	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1-Trichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	o-Xylene	p,m-Xylene	Xylenes, Total
Chemical Abstract Service Number						91-57-6	108-10-1	75-09-2	91-20-3	71-55-6	87-61-6	526-73-8	120-82-1	95-63-6	127-18-4	109-99-9	108-88-3	79-01-6	75-01-4	95-47-6	NA	1330-20-7
Drinking Water - Res						260	1,800	5 (A)	520	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	95	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Drinking Water - Non-Res						750	5,200	5 (A)	1,500	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	270	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Groundwater Surface Water Interface						19	ID	1,500 (X)	11	89	NA	NA	99 (X)	17	60 (X)	11,000 (X)	270	200 (X)	13 (X)	NA	NA	49
Sample Location TOS & BOS = Top & Bottom -of-Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-103S TOS(bgs): 9 BOS(bgs): 19 GE: 717.16 Finish: stickup Stickup Height: 2.50	719.66	ND	13.71	705.95	07/17/19	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	719.66	ND	13.58	706.08	02/28/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	0.81	<1	<2	<3
	719.66	ND	14.22	705.44	08/19/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	0.19	<1	0.99	<1	<2	<3
	719.66	ND	15.05	704.61	03/03/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	0.34	<1	<1	<1	<2	<3
	719.66	ND	14.31	705.35	09/14/21	0.25	<50	<5	0.13	<1	<5	<1	0.11	<1	<1	<90	<1	<1	<1	<1	<2	<3
	719.66	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.66	14.68	14.86	704.80	03/16/22	0.3	<50	<5	<5	<1	0.14	<1	0.17	<1	<1	<90	<1	<1	0.21	<1	<2	<3
	719.66	ND	15.05	704.61	09/13/22	0.24	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	0.16	<1	0.74	<1	<2	<3
	719.66	ND	15.00	704.66	03/21/23	0.45	<50	<5	0.21	<1	0.15	<1	0.15	<1	<1	1.28	0.18	0.1	<1	0.11	0.22	0.33
	719.66	ND	13.22	706.44	09/14/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	719.66	ND	13.69	705.97	03/28/24	<5	<50	<5	<5	<1	<5	0.33	<5	0.29	<1	<90	<1	<1	<1	<1	<2	<3
	719.66	ND	13.87	705.79	09/17/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	1	<1	<2	<3
	719.66	ND	15.01	704.65	03/18/25	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	0.13	<1	<1	<1	<2	<3
	719.66	ND	15.00	704.66	09/23/25	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	0.34	<1	<2	<3
MW-104S TOS(bgs): 13 BOS(bgs): 18 GE: 721.53 Finish: flushmount TOC Depth: -0.50	721.03	ND	13.68	707.35	07/16/19	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	721.03	ND	13.79	707.24	02/25/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	721.03	ND	14.22	706.81	08/18/20	<5	<50	0.11	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	721.03	ND	9.12	711.91	03/02/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	721.03	ND	15.21	705.82	09/14/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.24	<1	<1	<2	<3
	721.03	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.47	705.56	03/16/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.21	<1	<1	<2	<3
	721.03	ND	15.21	705.82	09/13/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	721.03	ND	16.25	704.78	03/21/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	721.03	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	14.52	706.51	03/27/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	721.03	ND	14.15	706.88	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-105S TOS(bgs): 13 BOS(bgs): 18 GE: 723.64 Finish: flushmount TOC Depth: -0.50	723.14	ND	12.88	710.26	07/16/19	<5	<50	<5	<5	<1	<5	<1	<5	<1	43	<90	<1	<1	<1	<1	<2	<3
	723.14	ND	12.89	710.25	02/25/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	78	<90	<1	<1	<1	<1	<2	<3
	723.14	ND	14.32	708.82	08/18/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	55	<90	<1	<1	<1	<1	<2	<3
	723.14	ND	14.33	708.81	03/02/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	101	<90	<1	<1	<1	<1	<2	<3
	723.14	ND	14.34	708.80	09/14/21	0.11	<50	<5	<5	<1	<5	<1	<5	<1	93	<90	<1	0.14	<1	<1	<2	<3
	723.14	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.15	708.99	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.17	708.97	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.69	708.45	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.08	709.06	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.30	709.84	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.43	709.71	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.03	709.11	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						2-Methylnaphthalene	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1-Trichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	o-Xylene	p,m-Xylene	Xylenes, Total
Chemical Abstract Service Number						91-57-6	108-10-1	75-09-2	91-20-3	71-55-6	87-61-6	526-73-8	120-82-1	95-63-6	127-18-4	109-99-9	108-88-3	79-01-6	75-01-4	95-47-6	NA	1330-20-7
Drinking Water - Res						260	1,800	5 (A)	520	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	95	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Drinking Water - Non-Res						750	5,200	5 (A)	1,500	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	270	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Groundwater Surface Water Interface						19	ID	1,500 (X)	11	89	NA	NA	99 (X)	17	60 (X)	11,000 (X)	270	200 (X)	13 (X)	NA	NA	49
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-106SR TOS(bgs): 13 BOS(bgs): 18 GE: 723.86 Finish: flushmount TOC Depth: -0.50	723.36	ND	14.56	708.80	07/16/19	<5	<50	0.18	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	723.36	ND	14.63	708.73	02/25/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	723.36	ND	14.32	709.04	08/18/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	723.36	DRY	16.47	706.89	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	DRY	15.87	707.49	09/14/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.11	<1	<1	<2	<3
	723.36	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.30	707.06	03/16/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	723.36	ND	15.92	707.44	09/13/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	723.36	ND	17.09	706.27	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	15.11	708.25	09/14/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	723.36	ND	15.21	708.15	03/27/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	723.36	ND	15.85	707.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.06	707.30	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-107S TOS(bgs): 13 BOS(bgs): 18 GE: 723.37 Finish: flushmount TOC Depth: -0.50	722.87	ND	15.35	707.52	07/16/19	<5	<50	0.17	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	722.87	ND	15.27	707.60	02/25/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.15	<1	<1	<2	<3
	722.87	ND	14.62	708.25	08/18/20	<5	<50	0.1	<5	<1	<5	<1	<5	<1	<1	<90	<1	2	0.94	<1	<2	<3
	722.87	ND	16.81	706.06	03/02/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	2	3	<1	<2	<3
	722.87	ND	16.20	706.67	09/15/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	2	<1	<1	<2	<3
	722.87	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.61	706.26	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.40	706.47	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	17.21	705.66	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.87	707.00	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.64	707.23	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.07	706.80	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-108S TOS(bgs): 11 BOS(bgs): 16 GE: 711.52 Finish: stickup Stickup Height: 2.50	714.02	ND	11.22	702.80	07/17/19	<5	<50	0.18	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	714.02	ND	10.85	703.17	02/27/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.14	<1	<1	<2	<3
	714.02	ND	11.97	702.05	08/19/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.26	<1	<1	<2	<3
	714.02	ND	12.34	701.68	03/03/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	714.02	ND	12.32	701.70	09/15/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.34	<1	<1	<2	<3
	714.02	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	11.90	702.12	03/16/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.18	<1	<1	<2	<3
	714.02	ND	12.97	701.05	09/13/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	714.02	ND	12.45	701.57	03/21/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	714.02	ND	10.66	703.36	09/14/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.27	<1	<1	<2	<3
	714.02	ND	10.71	703.31	03/27/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	714.02	ND	11.47	702.55	09/17/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	714.02	ND	11.09	702.93	03/18/25	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	Dupe1 (MW-108S)		--		03/18/25	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.16	<1	<1	<2	<3
	714.02	ND	13.02	701.00	09/23/25	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.28	<1	<1	<2	<3

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						2-Methylnaphthalene	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1-Trichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	o-Xylene	p,m-Xylene	Xylenes, Total
Chemical Abstract Service Number						91-57-6	108-10-1	75-09-2	91-20-3	71-55-6	87-61-6	526-73-8	120-82-1	95-63-6	127-18-4	109-99-9	108-88-3	79-01-6	75-01-4	95-47-6	NA	1330-20-7
Drinking Water - Res						260	1,800	5 (A)	520	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	95	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Drinking Water - Non-Res						750	5,200	5 (A)	1,500	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	270	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Groundwater Surface Water Interface						19	ID	1,500 (X)	11	89	NA	NA	99 (X)	17	60 (X)	11,000 (X)	270	200 (X)	13 (X)	NA	NA	49
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-109S TOS(bgs): 9 BOS(bgs): 14 GE: 712.12 Finish: stickup Stickup Height: 2.50	714.62	ND	11.14	703.48	07/17/19	<5	<50	0.19	<5	<1	<5	<1	<5	<1	<1	<90	<1	11	7	<1	<2	<3
	714.62	ND	10.89	703.73	02/27/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	13	18	<1	<2	<3
	714.62	ND	11.66	702.96	08/19/20	<5	<50	0.12	<5	0.15	<5	<1	<5	<1	<1	<90	<1	21	11	<1	<2	<3
	714.62	ND	11.98	702.64	03/03/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	23	8	<1	<2	<3
	714.62	ND	11.67	702.95	09/15/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	25	11	<1	<2	<3
	714.62	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.59	703.03	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	12.25	702.37	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.70	702.92	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.08	703.54	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	8.10	706.52	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.27	703.35	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.05	703.57	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-110S TOS(bgs): 9 BOS(bgs): 14 GE: 710.57 Finish: stickup Stickup Height: 2.50	713.07	ND	11.83	701.24	07/17/19	<5	<50	0.19	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	11.45	701.62	02/27/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	12.18	700.89	08/19/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	12.04	701.03	03/03/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	12.36	700.71	09/15/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	713.07	ND	12.02	701.05	03/16/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	12.76	700.31	09/13/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	11.73	701.34	03/21/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	11.54	701.53	09/14/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.16	<1	<1	<2	<3
	713.07	ND	11.17	701.90	03/27/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	12.88	700.19	09/17/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	713.07	ND	11.07	702.00	03/18/25	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.37	<1	<1	<2	<3
	713.07	ND	13.82	699.25	09/23/25	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
MW-111S TOS(bgs): 9 BOS(bgs): 14 GE: 717.03 Finish: stickup Stickup Height: 2.50	719.53	ND	12.88	706.65	07/17/19	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	10	<1	<1	<2	<3
	719.53	ND	12.65	706.88	02/27/20	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	6	<1	<1	<2	<3
	719.53	ND	13.54	705.99	08/19/20	<5	<50	0.13	<5	<1	<5	<1	<5	<1	<1	<90	<1	8	<1	<1	<2	<3
	719.53	ND	14.55	704.98	03/03/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	53	2	<1	<2	<3
	719.53	ND	13.63	705.90	09/16/21	0.15	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	16	<1	<1	<2	<3
	719.53	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.01	705.52	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.59	704.94	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.07	706.46	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.17	706.36	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.25	705.28	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						2-Methylnaphthalene	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1-Trichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	o-Xylene	p,m-Xylene	Xylenes, Total
Chemical Abstract Service Number						91-57-6	108-10-1	75-09-2	91-20-3	71-55-6	87-61-6	526-73-8	120-82-1	95-63-6	127-18-4	109-99-9	108-88-3	79-01-6	75-01-4	95-47-6	NA	1330-20-7
Drinking Water - Res						260	1,800	5 (A)	520	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	95	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Drinking Water - Non-Res						750	5,200	5 (A)	1,500	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	270	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Groundwater Surface Water Interface						19	ID	1,500 (X)	11	89	NA	NA	99 (X)	17	60 (X)	11,000 (X)	270	200 (X)	13 (X)	NA	NA	49
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)						TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date												
MW-112S TOS(bgs): 15 BOS(bgs): 20 GE: 720.50 Finish: flushmount TOC Depth: -0.50	720.00	ND	14.43	705.57	07/16/19																	
	Dupe 1 (MW-112S)			--	07/16/19																	
	720.00	ND	14.59	705.41	02/27/20																	
	Dupe 1 (MW-112S)			--	02/27/20																	
	720.00	ND	14.95	705.05	08/18/20																	
	Dupe #1 (MW-112S)			--	08/18/20																	
	720.00	ND	17.02	702.98	03/02/21																	
	Dupe1 (MW-112S)			--	03/02/21																	
	720.00	ND	15.15	704.85	09/15/21																	
	Dupe 1			--	09/15/21																	
	720.00	NG	NG	--	11/18/21																	
	720.00	ND	16.35	703.65	03/16/22																	
	720.00	ND	16.70	703.30	09/13/22																	
	720.00	ND	16.80	703.20	03/21/23																	
	720.00	ND	14.27	705.73	09/14/23																	
	720.00	ND	15.19	705.73	03/27/24																	
	720.00	ND	14.61	705.73	09/17/24																	
	720.00	ND	16.04	705.73	03/18/25																	
	720.00	ND	17.62	705.73	09/23/25																	
MW-113S TOS(bgs): 8.5 BOS(bgs): 13.5 GE: 711.50 Finish: stickup Stickup Height: 2.50	714.00	ND	12.31	701.69	07/17/19																	
	714.00	ND	12.02	701.98	02/27/20																	
	714.00	ND	12.79	701.21	08/19/20																	
	714.00	ND	12.94	701.06	03/03/21																	
	714.00	ND	13.01	700.99	09/15/21																	
	714.00	NG	NG	--	11/18/21																	
	714.00	ND	12.89	701.11	03/16/22																	
	714.00	ND	13.60	700.40	09/13/22																	
	714.00	ND	13.00	701.00	03/21/23																	
	714.00	ND	12.78	701.22	09/14/23																	
	714.00	ND	12.21	701.79	03/27/24																	
	714.00	ND	12.49	701.51	09/17/24																	
	714.00	ND	12.08	701.92	03/18/25																	

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						2-Methylnaphthalene	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1-Trichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	o-Xylene	p,m-Xylene	Xylenes, Total
Chemical Abstract Service Number						91-57-6	108-10-1	75-09-2	91-20-3	71-55-6	87-61-6	526-73-8	120-82-1	95-63-6	127-18-4	109-99-9	108-88-3	79-01-6	75-01-4	95-47-6	NA	1330-20-7
Drinking Water - Res						260	1,800	5 (A)	520	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	95	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Drinking Water - Non-Res						750	5,200	5 (A)	1,500	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	270	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Groundwater Surface Water Interface						19	ID	1,500 (X)	11	89	NA	NA	99 (X)	17	60 (X)	11,000 (X)	270	200 (X)	13 (X)	NA	NA	49
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)						TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date												
MW-114S TOS(bgs): 7 BOS(bgs): 12 GE: 712.33 Finish: stickup Stickup Height: -0.59	711.74	ND	8.36	703.38	07/17/19	<30	<250	2.5	<30	1.7	<30	<5	<30	<5	<5	9.3	<5	179	8	<5	<10	<3
	Dupe 2 (MW-114S)				07/17/19	<30	<250	2.5	<30	1.5	<30	<5	<30	<5	<5	9.8	<5	169	8	<5	<10	<3
	711.74	ND	8.11	703.63	02/27/20	<5	<50	<5	<5	2	<5	<1	<5	<1	0.2	<90	<1	335	5	<1	<2	<3
	Dupe 2 (MW-114S)				02/27/20	<5	<50	<5	<5	2	<5	<1	<5	<1	0.18	<90	<1	350	3	<1	<2	<3
	711.74	ND	8.82	702.92	08/19/20	<50	<500	10.2	<50	1.9	<50	<10	<50	<10	<10	7.6	<10	310	10	<10	<20	<3
	Dupe #2 (MW-114S)				08/19/20	<50	<500	9.9	<50	1.9	<50	<10	<50	<10	<10	7.2	<10	290	10	<10	<20	<3
	711.74	ND	9.12	702.62	03/03/21	<50	<500	<50	<50	<10	<50	<10	<50	<10	<10	<900	<10	270	5.3	<10	<20	<30
	Dupe-2 (MW-114S)				03/03/21	<50	<500	<50	<50	<10	<50	<10	<50	<10	<10	<900	<10	280	6.2	<10	<20	<30
	711.74	ND	8.82	702.92	09/15/21	<50	<500	<50	<50	<10	<50	<10	<50	<10	<10	<900	<10	200	9.3	<10	<20	<30
	Dupe 2				09/15/21	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	226	11	<1	<2	<3
	711.74	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	711.74	ND	8.72	703.02	03/16/22	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	172	7	<1	<2	<3
	Dupe1 (MW-114S)				03/16/22	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	162	6	<1	<2	<3
	711.74	ND	9.42	702.32	09/13/22	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	252	14	<1	<2	<3
	Dupe1 (MW-114S)				09/13/22	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	219	13	<1	<2	<3
	711.74	ND	8.84	702.90	03/21/23	1.6	<250	<30	0.65	1.2	0.5	<5	<30	<5	<5	15.5	<5	173	3.95	<5	<10	<15
	Dupe1 (MW-114S)				03/21/23	<5	<50	<5	<5	0.93	<5	<1	<5	<1	<1	<90	<1	199	6	<1	<2	<3
	711.74	ND	7.98	703.76	09/14/23	<30	<250	<30	<30	<5	<30	<5	<30	<5	<5	<450	<5	166	3.5	<5	<10	<3
	Dupe1 (MW-114S)				09/14/23	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	202	5	<1	<2	<3
	711.74	ND	10.89	700.85	03/27/24	<5	<50	<5	<5	0.58	<5	<1	<5	<1	<1	<90	<1	129	2	<1	<2	<3
	Dup1 (MW-114S)				03/27/24	<5	<50	<5	<5	0.59	<5	<1	<5	<1	<1	<90	<1	132	2	<1	<2	<3
	711.74	ND	8.45	703.29	09/17/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	216	4	<1	<2	<3
	Dup1 (MW-114S)				09/17/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	213	4	<1	<2	<3
	711.74	ND	8.06	703.68	03/18/25	<5	<50	<5	<5	0.72	<5	<1	<5	<1	<1	<90	<1	161	2	<1	<2	<3
	711.74	ND	9.51	702.23	09/23/25	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	170	5	<1	<2	<3
	Dup1 (MW-114S)				09/23/25	<5	<50	<5	<5	1	<5	<1	<5	<1	<1	<90	<1	160	5	<1	<2	<3
MW-115S TOS(bgs): 7 BOS(bgs): 12 GE: 711.92 Finish: Stickup Stickup Height: 3.06	714.98	ND	11.35	703.63	11/18/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	0.95	<1	<2	<3
	714.98	ND	11.89	703.09	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	12.43	702.55	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.94	703.04	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.23	703.75	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.10	703.88	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.47	703.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.09	703.89	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a

Groundwater Analytical Results

RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						2-Methylnaphthalene	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1-Trichloroethane	1,2,3-Trichlorobenzene	1,2,3-Trimethylbenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	o-Xylene	p,m-Xylene	Xylenes, Total
Chemical Abstract Service Number						91-57-6	108-10-1	75-09-2	91-20-3	71-55-6	87-61-6	526-73-8	120-82-1	95-63-6	127-18-4	109-99-9	108-88-3	79-01-6	75-01-4	95-47-6	NA	1330-20-7
Drinking Water - Res						260	1,800	5 (A)	520	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	95	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Drinking Water - Non-Res						750	5,200	5 (A)	1,500	200 (A)	NA	NA	70 (A)	63 (E)	5 (A)	270	790 (E)	5 (A)	2 (A)	NA	NA	280 (E)
Groundwater Surface Water Interface						19	ID	1,500 (X)	11	89	NA	NA	99 (X)	17	60 (X)	11,000 (X)	270	200 (X)	13 (X)	NA	NA	49
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)						TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date												
MW-116S TOS(bgs): 14 BOS(bgs): 19 GE: 719.95 Finish: Stickup Stickup Height: 3.02	722.97	ND	19.99	702.98	11/18/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	Dupe1 (MW-116S)			--	11/18/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	<1	<1	<1	<2	<3
	722.97	ND	20.87	702.10	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.15	701.82	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.25	701.72	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	20.94	702.03	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.89	703.08	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.88	703.09	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.09	701.88	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-117S TOS(bgs): 9 BOS(bgs): 14 GE: 717.15 Finish: Stickup Stickup Height: 3.09	720.24	ND	14.87	705.37	11/18/21	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	1	<1	<1	<2	<3
	720.24	ND	15.40	704.84	03/16/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	1	<1	<1	<2	<3
	720.24	ND	15.62	704.62	09/13/22	<5	<50	<5	<5	<1	<5	<1	<5	<1	0.21	<90	<1	1	<1	<1	<2	<3
	720.24	ND	15.20	705.04	03/21/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	0.14	<90	<1	<1	<1	<1	<2	<3
	720.24	ND	14.59	705.65	09/14/23	<5	<50	<5	<5	<1	<5	<1	<5	<1	0.19	<90	<1	0.29	<1	<1	<2	<3
	720.24	ND	14.68	705.56	03/28/24	<5	<50	<5	<5	<1	<5	<1	<5	<1	<1	<90	<1	0.22	<1	<1	<2	<3
	720.24	ND	14.97	705.27	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.24	ND	15.28	704.96	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Results in micrograms per liter (ug/L).

Only compounds detected are included on this summary table. See laboratory report for additional compounds analyzed.

Footnotes are presented behind the analytical summary tables.

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Arsenic, Dissolved	Arsenic (B)	Chromium, Total, Dissolved	Chromium, Total	Chromium, VI, Dissolved	Chromium, VI	Copper, Dissolved	Copper (B)	Lead, Dissolved	Lead (B)	Selenium, Dissolved	Selenium (B)	Zinc, Dissolved	Zinc (B)
Chemical Abstract Service Number						7440-38-2	7440-38-2	7440-47-3	7440-47-3	18540-29-9	18540-29-9	7440-50-8	7440-50-8	7439-92-1	7439-92-1	7782-49-2	7782-49-2	7440-66-6	7440-66-6
Drinking Water - Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	2,400	2,400
Drinking Water - Non-Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	5,000 (E)	5,000 (E)
Groundwater Surface Water Interface						10	10	160	160	11	11	20	20	44	44	5	5	260	260
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date														
MW-100S TOS(bgs): 5 BOS(bgs): 15 GE: 720.56 Finish: stickup Stickup Height: 2.50	723.06	ND	14.97	708.09	07/16/19	0.298	0.572	0.345	0.56	<0.01	<0.01	0.829	0.816	<0.003	<0.003	<0.005	<0.005	7	2.75
	723.06	ND	15.26	707.80	02/25/20	<2	<2	0.275	0.42	<5	<10	0.405	<5	<3	0.249	<5	<5	6	1.56
	723.06	ND	16.07	706.99	08/18/20	0.57	<2	0.548	0.938	<10	<10	0.489	0.709	0.274	0.234	<5	<5	3.794	2.732
	723.06	ND	17.48	705.58	03/02/21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	723.06	ND	16.40	706.66	09/14/21	<2	0.53	0.46	3.58	<10	<10	0.71	1.73	<3	0.35	3.79	2.65	4.11	3.09
	723.06	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.63	705.43	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.42	705.64	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.62	705.44	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.40	705.66	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	16.35	706.71	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	15.94	707.12	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-101S TOS(bgs): 9 BOS(bgs): 19 GE: 719.58 Finish: stickup Stickup Height: 2.50 well destroyed well destroyed well destroyed well destroyed Abandoned 3/18/25	722.08	ND	15.84	706.24	07/16/19	0.475	0.521	3.944	2.54	<0.01	<0.01	2.404	3.124	1.434	0.361	<0.005	<0.005	9	7
	722.08	ND	16.00	706.08	02/25/20	<2	<2	0.891	2.753	<5	<10	<0.005	0.698	<3	0.283	<5	<5	4.654	2.074
	722.08	ND	17.00	705.08	08/18/20	<2	1.019	1.225	2.151	<10	<10	<5	0.596	<3	0.409	<5	<5	7	2.35
	722.08	ND	18.58	703.50	03/03/21	<2	9	4.09	351	<10	<2	0.579	34	0.4	17	<5	<5	3.28	75
	722.08	ND	17.59	704.49	09/14/21	<2	6	1.05	70	<10	<250	1	22	<3	13	2.29	<5	2.38	59
	722.08	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	15.96	706.12	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	16.56	705.52	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-102S TOS(bgs): 9 BOS(bgs): 19 GE: 720.28 Finish: stickup Stickup Height: 2.50	722.78	ND	15.58	707.20	07/17/19	0.577	<0.002	5	6	<0.01	<0.01	0.579	0.742	<0.003	<0.003	<0.005	<0.005	8	2.47
	722.78	ND	15.61	707.17	02/25/20	<2	<2	7	6	8	<10	<0.005	0.516	<3	<3	<5	<5	5	1.632
	722.78	ND	16.13	706.65	08/18/20	0.362	0.414	2.804	1170	<10	<10	1.301	55	<3	<3	<5	<5	6	1.075
	722.78	ND	17.07	705.71	03/02/21	<2	0.318	2	15	<10	<10	<5	1.2	<3	0.412	<5	<5	3.63	3.09
	722.78	ND	16.48	706.30	09/14/21	<2	0.51	7	7	<10	8	<5	0.45	<3	<3	<5	<5	6	2.38
	722.78	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.81	705.97	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.36	705.42	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.39	705.39	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.23	705.55	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.78	707.00	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.88	706.90	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Arsenic, Dissolved	Arsenic (B)	Chromium, Total, Dissolved	Chromium, Total	Chromium, VI, Dissolved	Chromium, VI	Copper, Dissolved	Copper (B)	Lead, Dissolved	Lead (B)	Selenium, Dissolved	Selenium (B)	Zinc, Dissolved	Zinc (B)
Chemical Abstract Service Number						7440-38-2	7440-38-2	7440-47-3	7440-47-3	18540-29-9	18540-29-9	7440-50-8	7440-50-8	7439-92-1	7439-92-1	7782-49-2	7782-49-2	7440-66-6	7440-66-6
Drinking Water - Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	2,400	2,400
Drinking Water - Non-Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	5,000 (E)	5,000 (E)
Groundwater Surface Water Interface						10	10	160	160	11	11	20	20	44	44	5	5	260	260
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date														
MW-103S TOS(bgs): 9 BOS(bgs): 19 GE: 717.16 Finish: stickup Stickup Height: 2.50	719.66	ND	13.71	705.95	07/17/19	7	39	0.246	0.382	<0.01	<0.02	<0.005	0.775	<0.003	<0.003	<0.005	<0.005	4.05	1.04
	719.66	ND	13.58	706.08	02/28/20	4	46	0.204	0.388	<10	<20	<0.005	0.528	0.208	<3	<5	<5	2.299	2.05
	719.66	ND	14.22	705.44	08/19/20	13	64	0.174	0.221	<20	<250	<5	<5	<3	<3	<5	<5	2.013	1.046
	719.66	ND	15.05	704.61	03/03/21	18	37	0.212	0.229	<10	<2	<5	<5	<3	<3	<5	<5	2.62	2.28
	719.66	ND	14.31	705.35	09/14/21	10	34	<5	0.36	<10	<250	<5	0.84	<3	0.21	<5	3.31	5	7
	719.66	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.66	14.68	14.86	704.80	03/16/22	8	39	<10	<10	0.238	0.258	<5	<5	<3	<3	<5	<5	1.75	1.72
	719.66	ND	15.05	704.61	09/13/22	20	57	<10	<250	0.2	0.969	<5	<5	<3	<3	<5	<5	0.823	<5
	719.66	ND	15.00	704.66	03/21/23	8	14	<10	<0.25	0.204	0.406	<0.005	0.469	<3	<3	<5	<5	1.17	1.68
	719.66	ND	13.22	706.44	09/14/23	13	40	<50	<50	0.181	0.342	<5	<5	<3	<3	<5	<5	0.904	<5
	719.66	ND	13.69	705.97	03/28/24	0.032	0.045	<5	<5	<20	<250	<5	<5	<3	<3	<5	<5	<5	<5
	719.66	ND	13.87	705.79	09/17/24	16	55	4	<250	<5	<5	<5	<5	<3	<3	<5	<5	<5	<5
	719.66	ND	15.01	704.65	03/18/25	7	18	<20	<20	<5	0.899	<5	<5	<3	<3	<5	<5	<5	<5
	719.66	ND	15.00	704.66	09/23/25	26	72	<20	<250	<5	<5	<5	<5	0.625	<3	<5	<5	<5	<5
MW-104S TOS(bgs): 13 BOS(bgs): 18 GE: 721.53 Finish: flushmount TOC Depth: -0.50	721.03	ND	13.68	707.35	07/16/19	0.496	0.358	0.302	34	<0.01	<0.01	1.698	3.404	<0.003	<0.003	<0.005	<0.005	7	4.85
	721.03	ND	13.79	707.24	02/25/20	<2	<2	0.562	16	<5	<10	3.473	9	<3	<3	<5	<5	9	14
	721.03	ND	14.22	706.81	08/18/20	<2	0.339	0.474	61	<10	<10	0.707	2.148	<3	<3	<5	<5	9	1.538
	721.03	ND	9.12	711.91	03/02/21	<2	0.493	3.14	1210	<10	<10	0.766	30	<3	<3	<5	<5	3.3	2.44
	721.03	ND	15.21	705.82	09/14/21	<2	<2	0.19	100	<10	<10	0.75	2.89	<3	<3	2.79	2.1	5	3.17
	721.03	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.47	705.56	03/16/22	0.423	0.872	<10	<10	0.725	106	0.441	1.738	<3	<3	3.52	3.7	1.968	1.933
	721.03	ND	15.21	705.82	09/13/22	1.779	4	<10	<50	10	17,100	1.252	129	<3	0.297	3.904	6	<5	7
	721.03	ND	16.25	704.78	03/21/23	1.4	1.38	<10	<10	0.502	70	1.46	3.59	<3	<3	<5	2.45	1.87	2.37
	721.03	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	14.52	706.51	03/27/24	<2	<2	<5	60	<10	<10	1.156	6	<3	<3	5	6	<5	4.754
	721.03	ND	14.15	706.88	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-105S TOS(bgs): 13 BOS(bgs): 18 GE: 723.64 Finish: flushmount TOC Depth: -0.50	723.14	ND	12.88	710.26	07/16/19	0.399	1.03	0.802	83	<0.01	<0.01	2.039	4.683	0.673	0.303	2.39	<0.005	7	6
	723.14	ND	12.89	710.25	02/25/20	<2	0.316	0.463	280	<5	<10	0.396	6	<3	<3	9	9	1.504	1.948
	723.14	ND	14.32	708.82	08/18/20	<2	0.558	1.072	24	<10	<10	0.563	0.971	<3	<3	9	10	3.668	6
	723.14	ND	14.33	708.81	03/02/21	<2	0.423	0.779	30	<10	<10	0.651	1.28	<3	<3	<5	<5	3.21	1.81
	723.14	ND	14.34	708.80	09/14/21	0.52	0.78	0.76	35	<10	<10	<5	0.56	<3	0.25	6	4.95	4.37	2.39
	723.14	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.15	708.99	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.17	708.97	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.69	708.45	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.08	709.06	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.30	709.84	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.43	709.71	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.03	709.11	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
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EGLE Generic Residential Cleanup Criteria						Arsenic, Dissolved	Arsenic (B)	Chromium, Total, Dissolved	Chromium, Total	Chromium, VI, Dissolved	Chromium, VI	Copper, Dissolved	Copper (B)	Lead, Dissolved	Lead (B)	Selenium, Dissolved	Selenium (B)	Zinc, Dissolved	Zinc (B)
Chemical Abstract Service Number						7440-38-2	7440-38-2	7440-47-3	7440-47-3	18540-29-9	18540-29-9	7440-50-8	7440-50-8	7439-92-1	7439-92-1	7782-49-2	7782-49-2	7440-66-6	7440-66-6
Drinking Water - Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	2,400	2,400
Drinking Water - Non-Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	5,000 (E)	5,000 (E)
Groundwater Surface Water Interface						10	10	160	160	11	11	20	20	44	44	5	5	260	260
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date														
MW-106SR TOS(bgs): 13 BOS(bgs): 18 GE: 723.86 Finish: flushmount TOC Depth: -0.50	723.36	ND	14.56	708.80	07/16/19	<0.002	0.275	0.328	4.544	<0.01	<0.01	0.898	1.603	<0.003	0.216	<0.005	<0.005	7	2.62
	723.36	ND	14.63	708.73	02/25/20	<2	1.173	0.719	764	<5	<10	0.576	14	<3	0.886	<5	<5	1.216	7
	723.36	ND	14.32	709.04	08/18/20	0.934	0.314	1.389	22	<10	<10	0.814	1.003	<3	<3	<5	<5	3.46	1.828
	723.36	DRY	16.47	706.89	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	DRY	15.87	707.49	09/14/21	<2	2	2.19	5800	<10	<10	519	54	0.31	0.97	3.53	4.53	3.11	7
	723.36	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.30	707.06	03/16/22	0.616	1.593	<10	<10	0.875	2020	0.781	33	<3	1.062	3.6	3.78	10	31
	723.36	ND	15.92	707.44	09/13/22	1.625	2	<10	<50	1.056	278	1.603	7	<3	0.271	4.346	7	2.639	6
	723.36	ND	17.09	706.27	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	15.11	708.25	09/14/23	2	3	<10	<10	0.575	155	0.735	2.188	<3	0.251	3.89	4.114	1.279	<5
	723.36	ND	15.21	708.15	03/27/24	3	1.629	1.218	598	<10	<10	<5	9	<3	<3	<5	<5	<5	4.121
	723.36	ND	15.85	707.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.06	707.30	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-107S TOS(bgs): 13 BOS(bgs): 18 GE: 723.37 Finish: flushmount TOC Depth: -0.50	722.87	ND	15.35	707.52	07/16/19	0.485	<0.002	0.286	0.301	<0.01	<0.01	1.576	1.663	<0.003	<0.003	<0.005	<0.005	27	22
	722.87	ND	15.27	707.60	02/25/20	<2	0.465	<5	0.185	<5	4	0.86	0.996	<3	0.283	<5	<5	9	6
	722.87	ND	14.62	708.25	08/18/20	<2	0.258	0.14	<0.005	<10	<10	0.478	0.417	<3	<3	<5	<5	3.679	1.729
	722.87	ND	16.81	706.06	03/02/21	0.441	0.578	0.181	<5	<10	<10	0.517	0.59	<3	<3	<5	<5	10	8
	722.87	ND	16.20	706.67	09/15/21	0.5	0.26	0.83	0.11	<10	<10	1.01	1	0.21	0.31	2.27	<5	7	4.08
	722.87	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.61	706.26	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.40	706.47	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	17.21	705.66	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.87	707.00	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.64	707.23	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.07	706.80	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-108S TOS(bgs): 11 BOS(bgs): 16 GE: 711.52 Finish: stickup Stickup Height: 2.50	714.02	ND	11.22	702.80	07/17/19	0.483	0.328	0.326	0.575	<0.01	<0.01	0.545	0.975	<0.003	0.37	<0.005	<0.005	1.13	5
	714.02	ND	10.85	703.17	02/27/20	0.257	<2	0.295	0.431	<5	<25	1.357	0.564	<3	<3	<5	<5	7	2.742
	714.02	ND	11.97	702.05	08/19/20	<0.002	<0.002	0.299	0.207	<10	<10	0.418	0.448	<3	<3	<5	<5	6	4.07
	714.02	ND	12.34	701.68	03/03/21	<0.002	0.257	0.132	1.03	<10	<10	0.665	0.963	<3	<3	<5	<5	5	3.88
	714.02	ND	12.32	701.70	09/15/21	<2	<2	0.35	0.16	<10	<10	1.28	1.34	0.24	0.23	<5	<5	12	6
	714.02	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	11.90	702.12	03/16/22	<2	1.122	<10	<10	0.298	0.364	0.505	0.628	<3	<3	3.13	3.16	2.015	2.611
	714.02	ND	12.97	701.05	09/13/22	0.565	0.332	<10	<10	0.428	1.308	0.853	0.747	<3	<3	2.48	3.116	2.316	2.116
	714.02	ND	12.45	701.57	03/21/23	0.381	0.465	<10	<10	0.27	0.559	0.856	2.42	<3	0.508	4.27	6	2.38	6
	714.02	ND	10.66	703.36	09/14/23	1.347	2	<10	<10	1.099	0.414	<5	<5	<3	<3	6	6	0.789	1.573
	714.02	ND	10.71	703.31	03/27/24	<2	<2	<5	<5	<10	<10	<5	<5	<3	<3	7	7	<5	<5
	714.02	ND	11.47	702.55	09/17/24	<2	<2	<10	<10	<5	<5	<5	<5	<3	1.063	<5	<5	11	13
	714.02	ND	11.09	702.93	03/18/25	<2	<2	<10	<10	<2	3.686	<5	1.149	<3	<3	<5	<5	5	11
	Dupe1 (MW-108S)		--		03/18/25	<2	<2	<10	<10	<2	0.811	<5	0.935	<3	<3	<5	<5	5	14
	714.02	ND	13.02	701.00	09/23/25	<2	<2	<10	<10	<5	<5	<5	<5	<0.003	<0.003	<5	<5	5	6

Table 1a

Groundwater Analytical Results

RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Arsenic, Dissolved	Arsenic (B)	Chromium, Total, Dissolved	Chromium, Total	Chromium, VI, Dissolved	Chromium, VI	Copper, Dissolved	Copper (B)	Lead, Dissolved	Lead (B)	Selenium, Dissolved	Selenium (B)	Zinc, Dissolved	Zinc (B)
Chemical Abstract Service Number						7440-38-2	7440-38-2	7440-47-3	7440-47-3	18540-29-9	18540-29-9	7440-50-8	7440-50-8	7439-92-1	7439-92-1	7782-49-2	7782-49-2	7440-66-6	7440-66-6
Drinking Water - Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	2,400	2,400
Drinking Water - Non-Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	5,000 (E)	5,000 (E)
Groundwater Surface Water Interface						10	10	160	160	11	11	20	20	44	44	5	5	260	260
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date														
MW-109S TOS(bgs): 9 BOS(bgs): 14 GE: 712.12 Finish: stickup Stickup Height: 2.50	714.62	ND	11.14	703.48	07/17/19	10	73	0.265	2.927	<0.01	<0.02	<0.005	0.774	<0.003	<0.003	<0.005	<0.005	1.92	4.43
	714.62	ND	10.89	703.73	02/27/20	9	69	0.138	1.767	<5	<500	<5	<5	<3	<3	<5	<5	3.151	2.004
	714.62	ND	11.66	702.96	08/19/20	16	113	0.17	0.282	<10	<0.25	<5	<5	<3	0.245	<5	<5	2.365	1.703
	714.62	ND	11.98	702.64	03/03/21	10	86	0.269	1.27	<10	<5	<5	1.5	<3	1.28	<5	<5	2.92	5
	714.62	ND	11.67	702.95	09/15/21	52	73	0.31	0.27	<10	<50	<5	<5	<5	<5	<5	<5	3.34	2.68
	714.62	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.59	703.03	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	12.25	702.37	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.70	702.92	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.08	703.54	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	8.10	706.52	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.27	703.35	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.05	703.57	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-110S TOS(bgs): 9 BOS(bgs): 14 GE: 710.57 Finish: stickup Stickup Height: 2.50	713.07	ND	11.83	701.24	07/17/19	0.295	1.72	0.406	1.283	<0.01	<0.02	0.497	0.543	<0.003	<0.003	<0.005	<0.005	5	2.37
	713.07	ND	11.45	701.62	02/27/20	0.518	2	0.312	0.862	<5	<500	<5	0.835	<3	0.242	<5	<5	3.037	1.879
	713.07	ND	12.18	700.89	08/19/20	0.616	1.261	0.393	0.458	<10	<50	<5	<5	0.904	<0.003	<5	<5	3.312	1.381
	713.07	ND	12.04	701.03	03/03/21	1.03	2	0.194	0.261	<10	<10	1.56	4.08	<3	0.375	<5	<5	22	25
	713.07	ND	12.36	700.71	09/15/21	1.06	1.85	0.26	13	<10	<50	0.59	1.86	<3	0.39	<5	<5	8	4.69
	713.07	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	713.07	ND	12.02	701.05	03/16/22	1.91	9	<10	<10	0.216	2.794	<0.005	1.805	<3	0.99	<5	<5	6	8
	713.07	ND	12.76	700.31	09/13/22	0.968	2	<10	<10	1.952	1.516	0.626	0.914	<3	<3	<5	<5	1.812	1.038
	713.07	ND	11.73	701.34	03/21/23	1.18	2	<10	<10	0.39	1.33	1.81	4.11	<3	0.743	<5	<5	26	28
	713.07	ND	11.54	701.53	09/14/23	3	6	<10	<10	0.107	1.803	0.51	1.899	<3	0.729	<5	<5	0.939	2.266
	713.07	ND	11.17	701.90	03/27/24	2	3	<5	<5	<20	<250	<5	1.039	<3	<3	<5	<5	<5	<5
	713.07	ND	12.88	700.19	09/17/24	<2	<2	<10	<250	<5	<5	<5	<5	<3	<3	<5	<5	<5	<5
	713.07	ND	11.07	702.00	03/18/25	3	3	<10	<10	<5	3.09	<5	2.26	0.768	<3	<5	<5	<5	<5
	713.07	ND	13.82	699.25	09/23/25	3	3	<10	<10	<5	1.832	<5	0.919	<3	<3	<5	<5	<5	<5
MW-111S TOS(bgs): 9 BOS(bgs): 14 GE: 717.03 Finish: stickup Stickup Height: 2.50	719.53	ND	12.88	706.65	07/17/19	0.535	0.942	5	6	<0.01	<0.01	0.752	0.938	<0.003	0.214	<0.005	<0.005	5	3.3
	719.53	ND	12.65	706.88	02/27/20	<2	0.998	6	6	<5	<500	0.501	0.694	<3	0.339	<5	<5	6	1.594
	719.53	ND	13.54	705.99	08/19/20	0.589	0.676	5	7	<10	<10	<5	0.392	<3	<3	<5	<5	3.689	1.424
	719.53	ND	14.55	704.98	03/03/21	0.636	0.727	2.01	6	<10	<10	0.682	1.01	<3	0.223	<5	<5	4.98	1.35
	719.53	ND	13.63	705.90	09/16/21	<2	1.77	1.98	15	<10	<10	1.44	1.06	<3	0.38	<5	3.15	3.47	2.5
	719.53	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.01	705.52	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.59	704.94	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.07	706.46	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.17	706.36	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.25	705.28	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Arsenic, Dissolved	Arsenic (B)	Chromium, Total, Dissolved	Chromium, Total	Chromium, VI, Dissolved	Chromium, VI	Copper, Dissolved	Copper (B)	Lead, Dissolved	Lead (B)	Selenium, Dissolved	Selenium (B)	Zinc, Dissolved	Zinc (B)
Chemical Abstract Service Number						7440-38-2	7440-38-2	7440-47-3	7440-47-3	18540-29-9	18540-29-9	7440-50-8	7440-50-8	7439-92-1	7439-92-1	7782-49-2	7782-49-2	7440-66-6	7440-66-6
Drinking Water - Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	2,400	2,400
Drinking Water - Non-Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	5,000 (E)	5,000 (E)
Groundwater Surface Water Interface						10	10	160	160	11	11	20	20	44	44	5	5	260	260
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date														
MW-112S TOS(bgs): 15 BOS(bgs): 20 GE: 720.50 Finish: flushmount TOC Depth: -0.50	720.00	ND	14.43	705.57	07/16/19	15	68	0.512	0.495	<0.01	<0.02	1.826	0.458	0.263	0.274	<0.005	<0.005	20	2
	Dupe 1 (MW-112S)			--	07/16/19	15	63	0.343	0.365	<0.01	<0.02	<0.005	1.106	<0.003	<0.003	<0.005	<0.005	3.34	2.32
	720.00	ND	14.59	705.41	02/27/20	13	41	0.214	0.349	4	<500	<5	<5	<3	<3	<5	<5	2.665	1.588
	Dupe 1 (MW-112S)			--	02/27/20	13	43	0.39	0.356	<5	<500	0.391	<5	0.584	<3	<5	<5	6	1.221
	720.00	ND	14.95	705.05	08/18/20	18	68	0.389	0.851	<10	<250	<5	<5	<3	<3	<5	<5	2.558	1.471
	Dupe #1 (MW-112S)			--	08/18/20	19	70	0.281	0.279	<10	<250	<5	<5	<3	<3	<5	<5	2.599	1.117
	720.00	ND	17.02	702.98	03/02/21	33	79	0.242	0.392	<10	<5	<5	<5	<3	<3	<5	<5	2.13	1.61
	Dupe1 (MW-112S)			--	03/02/21	30	77	0.358	0.487	<10	<50	<5	<5	<3	<3	<5	<5	2.44	1.88
	720.00	ND	15.15	704.85	09/15/21	40	71	0.34	0.42	<10	<50	<5	0.49	<3	0.2	<5	<5	6	3.97
	Dupe 1			--	09/15/21	29	73	0.12	0.33	<10	<50	<5	0.49	<3	<3	<5	<5	4	3.03
	720.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.00	ND	16.35	703.65	03/16/22	32	89	<10	<10	0.38	0.368	<0.005	<0.005	<3	<3	<5	<5	1.144	1.89
	720.00	ND	16.70	703.30	09/13/22	45	97	<10	<10	0.728	8	<5	<5	<3	<3	<5	<5	<5	<5
	720.00	ND	16.80	703.20	03/21/23	15	40	<10	<10	0.401	0.42	<5	<5	<3	<3	<5	<5	1.36	1.82
	720.00	ND	14.27	705.73	09/14/23	34	86	<10	<10	0.208	0.707	<5	<5	<3	0.204	<5	<5	<5	14
	720.00	ND	15.19	705.73	03/27/24	23	64	<5	<5	<10	<50	<5	6	<3	<3	<5	<5	<5	3.513
	720.00	ND	14.61	705.73	09/17/24	27	71	<10	<250	<5	<5	<5	<5	<3	<3	<5	<5	<5	<5
	720.00	ND	16.04	705.73	03/18/25	15	39	<20	<10	<5	1.064	<5	<5	<3	<3	<5	<5	<5	<5
	720.00	ND	17.62	705.73	09/23/25	52	52	<10	<250	0.814	<5	<5	<5	<3	<3	<5	<5	<5	4.112
MW-113S TOS(bgs): 8.5 BOS(bgs): 13.5 GE: 711.50 Finish: stickup Stickup Height: 2.50	714.00	ND	12.31	701.69	07/17/19	1.38	5	1.132	1.634	<0.01	<0.02	1.465	1.144	<0.003	0.195	<0.005	<0.005	6	6
	714.00	ND	12.02	701.98	02/27/20	1.511	3	0.518	6	<5	<250	0.492	0.973	<3	0.4	<5	<5	8	6
	714.00	ND	12.79	701.21	08/19/20	1.145	4	0.283	1.506	<10	<50	<5	<5	<3	<3	<5	<5	2.057	1.634
	714.00	ND	12.94	701.06	03/03/21	2	4	0.39	2.35	<10	<10	0.504	1.02	<3	0.449	3.59	4.45	5	3.34
	714.00	ND	13.01	700.99	09/15/21	1.33	6	0.49	3.92	<10	<50	0.46	2.18	0.25	1.02	2.69	<5	6	9
	714.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.89	701.11	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.60	700.40	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.00	701.00	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.78	701.22	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.21	701.79	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.49	701.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.08	701.92	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a
Groundwater Analytical Results
RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Arsenic, Dissolved	Arsenic (B)	Chromium, Total, Dissolved	Chromium, Total	Chromium, VI, Dissolved	Chromium, VI	Copper, Dissolved	Copper (B)	Lead, Dissolved	Lead (B)	Selenium, Dissolved	Selenium (B)	Zinc, Dissolved	Zinc (B)
Chemical Abstract Service Number						7440-38-2	7440-38-2	7440-47-3	7440-47-3	18540-29-9	18540-29-9	7440-50-8	7440-50-8	7439-92-1	7439-92-1	7782-49-2	7782-49-2	7440-66-6	7440-66-6
Drinking Water - Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	2,400	2,400
Drinking Water - Non-Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	5,000 (E)	5,000 (E)
Groundwater Surface Water Interface						10	10	160	160	11	11	20	20	44	44	5	5	260	260
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)																			
TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-114S TOS(bgs): 7 BOS(bgs): 12 GE: 712.33 Finish: stickup Stickup Height: -0.59	711.74	ND	8.36	703.38	07/17/19	16	101	0.171	0.371	<0.01	<0.02	0.879	1.317	<0.003	0.385	<0.005	<0.005	13	12
	Dupe 2 (MW-114S)			--	07/17/19	18	95	0.329	0.369	<0.01	<0.02	0.707	1.541	<0.003	0.615	<0.005	<0.005	4.37	10
	711.74	ND	8.11	703.63	02/27/20	25	62	13	0.97	<5	<500	0.751	6	<3	4	<5	<5	27	44
	Dupe 2 (MW-114S)			--	02/27/20	24	69	<5	1.084	<5	<500	0.611	6	<3	4	<5	<5	29	43
	711.74	ND	8.82	702.92	08/19/20	20	119	0.235	0.457	<10	<50	1.604	1.803	0.369	1.289	<5	<5	8	15
	Dupe #2 (MW-114S)			--	08/19/20	21	114	0.138	0.428	<10	<50	53	1.587	<3	1.194	<5	<5	7	16
	711.74	ND	9.12	702.62	03/03/21	18	55	0.267	0.681	<10	<20	0.461	2.64	<3	1.51	<5	<5	6	10
	Dupe-2 (MW-114S)			--	03/03/21	20	53	0.236	0.361	<10	<20	<5	1.55	0.278	0.947	<5	<5	5	9
	711.74	ND	8.82	702.92	09/15/21	56	166	0.22	1	<10	<50	<5	1.5	<3	0.75	<5	<5	4.33	7
	Dupe 2			--	09/15/21	61	168	0.21	0.78	<10	<50	<5	1.6	<3	1.17	<5	<5	4.8	6
	711.74	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	711.74	ND	8.72	703.02	03/16/22	13	52	<10	<10	0.215	0.57	<5	3.007	<3	2.466	<5	<5	12	37
	Dupe1 (MW-114S)			--	03/16/22	11	49	<10	<10	0.286	0.609	<5	3.227	<3	2.637	<5	<5	13	23
	711.74	ND	9.42	702.32	09/13/22	45	127	<10	<10	0.437	1.219	0.459	8	<3	6	<5	<5	3.777	32
	Dupe1 (MW-114S)			--	09/13/22	48	176	<10	<50	0.254	3.597	0.529	22	<3	17	<5	<5	3.372	100
	711.74	ND	8.84	702.90	03/21/23	18	34	<10	<10	0.182	0.514	0.379	1.56	<3	0.213	<5	<5	4.82	8
	Dupe1 (MW-114S)			--	03/21/23	15	27	<10	<10	0.139	0.496	2.29	1	<3	0.38	<5	<5	12	8
	711.74	ND	7.98	703.76	09/14/23	8	58	<10	<10	0.173	0.646	0.576	2.507	<3	1.477	<5	<5	14	30
	Dupe1 (MW-114S)			--	09/14/23	9	57	<10	<10	<5	0.624	0.767	2.374	<4	1.459	<5	<5	15	27
	711.74	ND	10.89	700.85	03/27/24	10	16	<5	<5	<10	<10	<5	1.073	0.74	<3	<5	<5	15	16
	Dup1 (MW-114S)			--	03/27/24	11	16	<5	<5	<10	<10	<5	1.186	<3	<3	<5	<5	12	15
	711.74	ND	8.45	703.29	09/17/24	20	35	<10	<50	<5	<5	<5	1.179	<3	0.558	<5	<5	12	19
	Dup1 (MW-114S)			--	09/17/24	20	36	<10	<50	<5	<5	4.631	1.051	<3	0.525	<5	<5	15	20
	711.74	ND	8.06	703.68	03/18/25	17	244	<10	<10	1.162	20	0.852	76	<3	54	<5	<5	8	139
	711.74	ND	9.51	702.23	09/23/25	7	66	<10	<20	<5	0.991	<5	1.559	<3	1.451	<5	<5	8	13
	Dup1 (MW-114S)			--	09/23/25	7	68	<10	<50	<5	9	<5	1.133	<3	<3	<5	<5	7	13
MW-115S TOS(bgs): 7 BOS(bgs): 12 GE: 711.92 Finish: Stickup Stickup Height: 3.06	714.98	ND	11.35	703.63	11/18/21	0.01	41	<10	<50	0.136	0.75	0.468	1.11	<3	<3	<5	<5	3.37	7
	714.98	ND	11.89	703.09	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	12.43	702.55	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.94	703.04	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.23	703.75	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.10	703.88	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.47	703.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.09	703.89	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1a

Groundwater Analytical Results

RACER 12990 Flint West, Glenwood Avenue and Stevenson Street, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						Arsenic, Dissolved	Arsenic (B)	Chromium, Total, Dissolved	Chromium, Total	Chromium, VI, Dissolved	Chromium, VI	Copper, Dissolved	Copper (B)	Lead, Dissolved	Lead (B)	Selenium, Dissolved	Selenium (B)	Zinc, Dissolved	Zinc (B)
Chemical Abstract Service Number						7440-38-2	7440-38-2	7440-47-3	7440-47-3	18540-29-9	18540-29-9	7440-50-8	7440-50-8	7439-92-1	7439-92-1	7782-49-2	7782-49-2	7440-66-6	7440-66-6
Drinking Water - Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	2,400	2,400
Drinking Water - Non-Res						10 (A)	10 (A)	100 (A)	100 (A)	100 (A)	100 (A)	1,000 (E)	1,000 (E)	4 (L)	4 (L)	50 (A)	50 (A)	5,000 (E)	5,000 (E)
Groundwater Surface Water Interface						10	10	160	160	11	11	20	20	44	44	5	5	260	260
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date														
MW-116S TOS(bgs): 14 BOS(bgs): 19 GE: 719.95 Finish: Stickup Stickup Height: 3.02	722.97	ND	19.99	702.98	11/18/21	0.005	23	<10	<50	1.22	0.174	<5	0.638	<3	0.204	<5	<5	4.1	4.88
	Dupe1 (MW-116S)			--	11/18/21	0.005	22	<10	<25	0.154	0.336	<5	0.653	<300	<3	<5	<5	9	9
	722.97	ND	20.87	702.10	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.15	701.82	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.25	701.72	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	20.94	702.03	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.89	703.08	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.88	703.09	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.09	701.88	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-117S TOS(bgs): 9 BOS(bgs): 14 GE: 717.15 Finish: Stickup Stickup Height: 3.09	720.24	ND	14.87	705.37	11/18/21	0.00059	0.314	<10	<10	0.266	0.299	1.2	1.26	<3	<3	<5	<5	6	10
	720.24	ND	15.40	704.84	03/16/22	1.131	0.597	<10	<10	0.417	12	1.321	2.285	<3	<3	<5	<5	1.719	2.169
	720.24	ND	15.62	704.62	09/13/22	0.716	2	<10	<10	0.285	45	3.762	3.6	<3	0.407	<5	<5	2.006	1.893
	720.24	ND	15.20	705.04	03/21/23	0.941	1.06	<10	<10	1.27	49	1.13	2.16	<3	<3	<5	<5	1.24	1.65
	720.24	ND	14.59	705.65	09/14/23	1.618	2	<10	<10	0.45	1610	0.752	67	<3	0.753	<5	<5	<5	2.789
	720.24	ND	14.68	705.56	03/28/24	<2	<2	<5	22	<10	<10	0.932	1.674	<3	<3	<5	<5	<5	<5
	720.24	ND	14.97	705.27	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.24	ND	15.28	704.96	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Results in micrograms per liter (ug/L).

Only compounds detected are included on this summary table. See laboratory report for additional compounds analyzed.

Footnotes are presented behind the analytical summary tables.

TABLE 1b

Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)

RACER 12990 Flint West

Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-100S TOS(bgs): 5 BOS(bgs): 15 GE: 720.56 Finish: stickup Stickup Height: 2.50	723.06	ND	14.97	708.09	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	15.26	707.80	02/25/20	<20	<9.8	<9.8	<9.8	2.7	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
	723.06	ND	16.07	706.99	08/18/20	<9.8	<3.9	<2.0	<2.0	1.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	723.06	ND	17.48	705.58	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	16.40	706.66	09/14/21	<9.8	1.1	<2.0	<2.0	1.6	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0
	723.06	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.63	705.43	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.42	705.64	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.62	705.44	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.40	705.66	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	16.35	706.71	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	15.94	707.12	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-101S TOS(bgs): 9 BOS(bgs): 19 GE: 719.58 Finish: stickup Stickup Height: 2.50 well destroyed well destroyed well destroyed well destroyed Abandoned 3/18/25	722.08	ND	15.84	706.24	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	16.00	706.08	02/25/20	<21	<10	<10	1.7	2.3	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	722.08	ND	17.00	705.08	08/18/20	<9.7	1.9	<1.9	<1.9	1.9	<1.9	<1.9	<1.9	3.2	1.9	1.6	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	722.08	ND	18.58	703.50	03/03/21	<10	<4.1	<2.1	<2.1	1.9	<2.1	<2.1	<2.1	2.5	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	722.08	ND	17.59	704.49	09/14/21	<9.7	2.6	<1.9	2.1	<1.9	<1.9	<1.9	<3.9	5.5	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9
	722.08	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	15.96	706.12	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	16.56	705.52	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b

Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)

RACER 12990 Flint West

Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-102S TOS(bgs): 9 BOS(bgs): 19 GE: 720.28 Finish: stickup Stickup Height: 2.50	722.78	ND	15.58	707.20	07/17/19	<19	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	722.78	ND	15.61	707.17	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.13	706.65	08/18/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.07	705.71	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.48	706.30	09/14/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.81	705.97	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.36	705.42	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.39	705.39	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.23	705.55	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.78	707.00	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.88	706.90	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-103S TOS(bgs): 9 BOS(bgs): 19 GE: 717.16 Finish: stickup Stickup Height: 2.50	719.66	ND	13.71	705.95	07/17/19	<19	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
	719.66	ND	13.58	706.08	02/28/20	<19	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	2.7	3.0	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
	719.66	ND	14.22	705.44	08/19/20	<10	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.2	2.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	719.66	ND	15.05	704.61	03/03/21	<28	<4.3	<2.2	<2.2	1.6	<2.2	<2.2	<2.2	<2.2	5.9	3.4	2.6	<2.2	<2.2	<2.2	<2.2	<2.2
	719.66	ND	14.31	705.35	09/16/21	<16	<3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	2.7	5.0	3.1	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0
	719.66	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.66	14.68	14.86	704.80	03/16/22	<39	<3.9	<2.0	<2.0	1.6	<2.0	<2.0	<2.0	2.6	2.1	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	719.66	ND	15.05	704.61	09/13/22	<190	<3.8	<1.9	<5.7	<1.9	<1.9	<1.9	<1.9	2.5	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	719.66	ND	15.00	704.66	03/21/23	<19	<3.8	<1.9	<1.9	1.7	2.0	<1.9	<1.9	<1.9	2.6	2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	719.66	ND	13.22	706.44	09/14/23	<26	<3.9	<2.0	<2.0	<2.0	1.9	<2.0	<2.0	3.7	2.9	2.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	719.66	ND	13.69	705.97	03/28/24	<33	<3.8	<1.9	<2.7	<1.9	<1.9	<1.9	<1.9	2.7	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	719.66	ND	13.87	705.79	09/17/24	<22	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	719.66	ND	15.01	704.65	03/18/25	<11	<4.2	<2.1	<2.1	0.9	<2.1	<2.1	<2.1	1.0	2.1	2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	719.66	ND	15.00	704.66	09/23/25	<10	<4.1	<2.1	<2.1	0.7	<2.1	<2.1	<2.1	1.5	1.6	1.6	<2.1	<2.1	<2.1	1.1	<2.1	<2.1

TABLE 1b

Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)

RACER 12990 Flint West

Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-104S TOS(bgs): 13 BOS(bgs): 18 GE: 721.53 Finish: flushmount TOC Depth: -0.50	721.03	ND	13.68	707.35	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	13.79	707.24	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	14.22	706.81	08/18/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	9.12	711.91	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.21	705.82	09/14/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.47	705.56	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.21	705.82	09/13/22	<9.5	<3.8	<1.9	<1.9	1.6	<1.9	<1.9	<1.9	<1.9	1.7	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	721.03	ND	16.25	704.78	03/21/23	<9.8	0.9	<2.0	0.6	2.0	<2.0	1.0	<3.9	<2.0	2.2	1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	721.03	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	14.52	706.51	03/27/24	3.3	<3.9	<2.0	<2.0	2.5	<2.0	<2.0	<2.0	1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	721.03	ND	14.15	706.88	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-105S TOS(bgs): 13 BOS(bgs): 18 GE: 723.64 Finish: flushmount TOC Depth: -0.50	723.14	ND	12.88	710.26	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	12.89	710.25	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.32	708.82	08/18/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.33	708.81	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.34	708.80	09/14/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.15	708.99	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.17	708.97	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.69	708.45	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.08	709.06	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.30	709.84	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.43	709.71	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.03	709.11	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-106SR TOS(bgs): 13 BOS(bgs): 18 GE: 723.86 Finish: flushmount TOC Depth: -0.50	723.36	ND	14.56	708.80	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	14.63	708.73	02/25/20	8.1	<10	<10	3.5	4.5	2.8	<10	<10	8.7	<10	<10	<10	<10	<10	<10	<10	<10
	723.36	ND	14.32	709.04	08/18/20	<10	3.1	<2.0	3.7	3.2	3.0	<2.0	<2.0	11	3.1	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	723.36	DRY	16.47	706.89	03/02/21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	723.36	DRY	15.87	707.49	09/14/21	<9.6	3.3	<1.9	3.8	3.6	2.1	<1.9	<3.8	17	2.1	1.6	<1.9	<1.9	<3.8	2.5	<1.9	<1.9
	723.36	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.30	707.06	03/16/22	<9.7	1.2	<1.9	2.0	3.6	2.2	<1.9	<1.9	15	1.6	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	723.36	ND	15.92	707.44	09/13/22	<9.5	1.8	<1.9	2.5	4.3	2.1	<1.9	<1.9	13	1.9	1.6	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	723.36	ND	17.09	706.27	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	15.11	708.25	09/14/23	<10	1.5	<2.0	<2.0	2.9	1.8	<2.0	<2.0	6.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	723.36	ND	15.21	708.15	03/27/24	7.5	2.5	<2.0	2.4	4.3	1.0	<2.0	<2.0	5.3	1.3	<2.0	<2.0	<2.0	<2.0	0.9	<2.0	<2.0
	723.36	ND	15.85	707.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.06	707.30	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-107S TOS(bgs): 13 BOS(bgs): 18 GE: 723.37 Finish: flushmount TOC Depth: -0.50	722.87	ND	15.35	707.52	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.27	707.60	02/25/20	<19	<9.6	<9.6	<9.6	1.9	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
	722.87	ND	14.62	708.25	08/18/20	<10	<4.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	722.87	ND	16.81	706.06	03/02/21	<10	<4.2	<2.1	<2.1	1.5	<2.1	<2.1	<2.1	1.9	2.9	2.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	722.87	ND	16.20	706.67	09/15/21	19.0	<3.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9
	722.87	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.61	706.26	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.40	706.47	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	17.21	705.66	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.87	707.00	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.64	707.23	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.39	707.48	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.07	706.80	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-108S TOS(bgs): 11 BOS(bgs): 16 GE: 711.52 Finish: stickup Stickup Height: 2.50	714.02	ND	11.22	702.80	07/17/19	<19	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	714.02	ND	10.85	703.17	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	11.97	702.05	08/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	12.34	701.68	03/03/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	12.32	701.70	09/15/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	11.90	702.12	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	12.97	701.05	09/13/22	<9.1	<3.6	<1.8	<1.8	1.5	<1.8	<1.8	<1.8	<1.8	2.3	1.5	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
	714.02	ND	12.45	701.57	03/21/23	<9.8	<3.9	<2.0	<2.0	1.1	1.0	<2.0	<3.9	<2.0	1.6	1.6	<2.0	0.8	<2.0	<2.0	<2.0	<2.0
	714.02	ND	10.66	703.36	09/14/23	<22	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.7	2.8	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	714.02	ND	10.71	703.31	03/27/24	<10.0	<4.0	<2.0	<2.0	1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	714.02	ND	11.28	702.74	09/17/24	<10	<4.1	<2.1	<2.1	1.8	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	714.02	ND	11.09	702.93	03/18/25	<10	<4.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	Dup-1 (MW-108S)			--	03/18/25	<10	<4.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	2.0	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	714.02	ND	13.02	701.00	09/23/25	<10	<4.1	<2.1	<2.1	1.2	<2.1	<2.1	<2.1	1.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
MW-109S TOS(bgs): 9 BOS(bgs): 14 GE: 712.12 Finish: stickup Stickup Height: 2.50	714.62	ND	11.14	703.48	07/17/19	<19	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	714.62	ND	10.89	703.73	02/27/20	5.5	<9.9	<9.9	1.4	<9.9	<9.9	<9.9	<9.9	2.3	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
	714.62	ND	11.66	702.96	08/19/20	<10	3.6	<2.0	3.2	2.7	1.5	<2.0	<2.0	3.1	2.5	1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	714.62	ND	11.98	702.64	03/03/21	<9.7	14.0	<1.9	7.6	2.2	2.0	<1.9	<1.9	3.6	1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	714.62	ND	11.67	702.95	09/15/21	<9.8	2.1	<2.0	<2.0	1.6	<2.0	<2.0	<3.9	1.9	1.7	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0
	714.62	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.59	703.03	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	12.25	702.37	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.70	702.92	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.08	703.54	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	8.10	706.52	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.27	703.35	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.05	703.57	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-110S TOS(bgs): 9 BOS(bgs): 14 GE: 710.57 Finish: stickup Stickup Height: 2.50	713.07	ND	11.83	701.24	07/17/19	20.0	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
	713.07	ND	11.45	701.62	02/27/20	<19	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
	713.07	ND	12.18	700.89	08/19/20	<10.0	1.1	<2.0	<2.0	1.9	<2.0	<2.0	<2.0	2.8	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	713.07	ND	12.04	701.03	03/03/21	<10.0	<4.0	<2.0	<2.0	3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	713.07	ND	12.36	700.71	09/15/21	<10	1.5	<2.1	<2.1	1.7	<2.1	<2.1	<4.2	2.7	<2.1	<2.1	<2.1	<2.1	<4.2	<2.1	<2.1	<2.1
	713.07	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	713.07	ND	12.02	701.05	03/16/22	<9.8	<3.9	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	713.07	ND	12.76	700.31	09/13/22	<9.6	<3.8	<1.9	<1.9	1.7	<1.9	<1.9	<1.9	2.5	2.5	1.6	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	713.07	ND	11.73	701.34	03/21/23	<10	<4.1	<2.0	0.6	2.4	<2.0	1.0	<4.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	713.07	ND	11.54	701.53	09/14/23	21	1.1	<1.9	<1.9	5.4	<1.9	<1.9	<1.9	<1.9	2.4	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	713.07	ND	11.17	701.90	03/27/24	<9.6	<3.8	<1.9	<1.9	2.0	<1.9	<1.9	<1.9	0.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	713.07	ND	12.88	700.19	09/17/24	<11	<4.3	<2.2	1.8	2.1	<2.2	<2.2	<2.2	2.7	2.5	1.7	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
	713.07	ND	11.07	702.00	03/18/25	<10	<4.1	<2.1	<2.1	1.9	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	713.07	ND	13.82	699.25	09/23/25	<10	<4.0	<2.0	<2.0	1.1	<2.0	<2.0	<2.0	2.7	2.3	1.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-111S TOS(bgs): 9 BOS(bgs): 14 GE: 717.03 Finish: stickup Stickup Height: 2.50	719.53	ND	12.88	706.65	07/17/19	<19	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
	719.53	ND	12.65	706.88	02/27/20	<20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	719.53	ND	13.54	705.99	08/19/20	<10	2.4	<2.1	1.6	1.5	<2.1	<2.1	<2.1	3.0	1.9	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	719.53	ND	14.55	704.98	03/03/21	<10	4.1	<2.1	2.3	1.7	<2.1	<2.1	<2.1	2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	719.53	ND	13.63	705.90	09/16/21	<9.8	2.9	<2.0	<2.2	<2.0	<2.0	<2.0	<3.9	2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0
	719.53	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.01	705.52	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.59	704.94	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.07	706.46	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.17	706.36	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.25	705.28	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-112S TOS(bgs): 15 BOS(bgs): 20 GE: 720.50 Finish: flushmount TOC Depth: -0.50	720.00	ND	14.43	705.57	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.00	ND	14.59	705.41	02/27/20	<19	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
	Dupe 1 (MW-112S)			--	02/27/20	<20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	720.00	ND	14.95	705.05	08/18/20	<9.9	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	Dupe #1 (MW-112S)			--	08/18/20	<10	<4.1	<2.1	<2.1	1.8	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	720.00	ND	17.02	702.98	03/02/21	<21	<4.1	<2.1	<2.1	1.7	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	Dupe1 (MW-112S)			--	03/03/21	<20	<3.9	<2.0	<2.0	1.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	720.00	ND	15.15	704.85	09/15/21	<10	<4.1	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0
	Dupe1 (MW-112S)			--	09/15/21	<10	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0
	720.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.00	ND	16.35	703.65	03/16/22	<31	<4.1	<2.1	<2.1	1.5	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	720.00	ND	16.70	703.30	09/13/22	<28	<3.7	<1.8	<1.8	1.4	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
	720.00	ND	16.80	703.20	03/21/23	<9.6	<3.8	<1.9	<1.9	2.0	1.3	<1.9	<3.8	2.3	1.3	1.3	<1.9	1.0	<1.9	<1.9	<1.9	<1.9
	720.00	ND	14.27	705.73	09/14/23	<31	<3.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	720.00	ND	15.19	704.81	03/27/24	<27	<4.1	<2.0	<2.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	720.00	ND	14.61	705.39	09/17/24	<31	<4.1	<2.1	<2.1	1.8	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	720.00	ND	16.04	703.96	03/18/25	<10	<4.1	<2.1	<2.1	1.5	<2.1	<2.1	<2.1	1.2	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	720.00	ND	17.62	702.38	09/23/25	<10	<4.1	<2.0	<2.0	1.9	0.8	<2.0	<2.0	1.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-113S TOS(bgs): 8.5 BOS(bgs): 13.5 GE: 711.50 Finish: stickup Stickup Height: 2.50	714.00	ND	12.31	701.69	07/17/19	<19	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
	714.00	ND	12.02	701.98	02/27/20	<19	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
	714.00	ND	12.79	701.21	08/19/20	<9.7	1.0	<1.9	<1.9	1.8	<1.9	<1.9	<1.9	<1.9	3.1	2.6	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	714.00	ND	12.94	701.06	03/02/21	<10	<4.0	<2.0	<2.0	1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	714.00	ND	13.01	700.99	09/15/21	<10	<4.1	<2.1	<2.1	1.6	<2.1	<2.1	<4.1	1.7	1.8	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1
	714.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.89	701.11	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.60	700.40	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.00	701.00	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.78	701.22	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.21	701.79	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.49	701.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.08	701.92	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-114S TOS(bgs): 7 BOS(bgs): 12 GE: 712.33 Finish: stickup Stickup Height: -0.59	711.74	ND	8.36	703.38	07/17/19	<19	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
	711.74	ND	8.11	703.63	02/27/20	<20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	Dupe 2 (MW-114S)			--	02/27/20	<19	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	711.74	ND	8.82	702.92	08/19/20	<9.7	1.1	<1.9	<1.9	1.8	<1.9	<1.9	<1.9	1.8	2.3	1.6	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	Dupe #2 (MW-114S)			--	08/19/20	<10	1.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	3.1	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	711.74	ND	9.12	702.62	03/03/21	<10	<4.1	<2.0	1.6	1.8	<2.0	<2.0	<2.0	<2.0	1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	Dupe-2 (MW-114S)			--	03/03/21	<10	1.6	<2.1	1.7	1.8	<2.1	<2.1	<2.1	1.9	1.8	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	711.74	ND	8.82	702.92	09/15/21	<10	<4.0	<2.0	<2.2	<2.0	<2.0	<2.0	<4.0	1.7	2.5	1.8	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0
	Dupe-2 (MW-114S)			--	09/15/21	<10	<4.1	<2.0	<2.4	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0
	711.74	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	711.74	ND	8.72	703.02	03/16/22	<9.8	<3.9	<2.0	1.7	1.5	<2.0	<2.0	<2.0	2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	Dupe1 (MW-114S)			--	03/16/22	<10	<4.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	711.74	ND	9.42	702.32	09/13/22	<9.2	<3.7	<1.8	<1.8	1.7	<1.8	<1.8	<1.8	2.2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
	Dupe1 (MW-114S)			--	09/13/22	<9.5	<3.8	<1.9	<1.9	1.5	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
	711.74	ND	8.84	702.90	03/21/23	<10	3.4	<2.0	2.0	2.2	1.3	<2.0	<4.0	2.3	1.5	1.5	<2.0	1.0	<2.0	<2.0	<2.0	<2.0
	Dupe1 (MW-114S)			--	03/21/23	<9.8	3.5	<2.0	2.0	2.0	1.6	<2.0	<3.9	2.4	1.3	1.3	<2.0	1.0	<2.0	<2.0	<2.0	<2.0
	711.74	ND	7.98	703.76	09/14/23	<9.9	2.6	<2.0	<2.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	Dupe1 (MW-114S)			--	09/14/23	<9.9	1.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	711.74	ND	10.89	700.85	03/27/24	4.2	1.8	<2.0	1.5	1.6	<2.0	<2.0	<2.0	1.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	Dupe1 (MW-114S)			--	03/27/24	4.4	1.4	<2.0	1.4	1.6	<2.0	<2.0	<2.0	1.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	711.74	ND	8.45	703.29	09/17/24	<10	<4.0	<2.0	2.2	1.8	<2.0	<2.0	<2.0	2.1	1.5	1.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	711.74	ND	8.06	703.68	03/18/25	5.6	1.8	<2.0	<2.0	1.6	<2.0	<2.0	<2.0	1.3	1.3	1.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	711.74	ND	9.51	702.23	09/23/25	<10	1.9	<2.1	1.7	1.9	1.0	<2.1	<2.1	1.7	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	Dupe1 (MW-114S)			--	09/23/25	<11	2.0	<2.1	1.8	1.5	1.2	<2.1	<2.1	1.6	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
MW-115S TOS(bgs): 7 BOS(bgs): 12 GE: 711.92 Finish: Stickup Stickup Height: 3.06	714.98	ND	11.35	703.63	11/18/21	<41	<4.1	<2.0	<2.0	2.3	<2.0	<2.0	<4.1	2.3	2.9	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0
	714.98	ND	11.89	703.09	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	12.43	702.55	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.94	703.04	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.23	703.75	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.10	703.88	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.47	703.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	714.98	ND	11.09	703.89	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						PFBA	PFPeA	4:2 FTSA	PFHxA	PFBS	PFHpA	PFPeS	6:2 FTSA	PFOA	PFHxS	PFHxS-LN	PFHxS-BR	PFNA	8:2 FTSA	PFHpS	PFDA	N-MeFOSAA
Chemical Abstract Service Number						375-22-4	2706-90-3	757124-72-4	307-24-4	375-73-5	375-85-9	2706-91-4	27619-97-2	335-67-1	355-46-4	355-46-4-LN	355-46-4-BR	375-95-1	39108-34-4	375-92-8	335-76-2	2355-31-9
Drinking Water - Res*						NC	NC	NC	400,000	420	NC	NC	NC	4	10	NC	NC	10	NC	NC	NC	NC
Groundwater Surface Water Interface						NC	NC	NC	NC	NC	NC	NC	NC	12,000	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date																	
MW-116S TOS(bgs): 14 BOS(bgs): 19 GE: 719.95 Finish: Stickup Stickup Height: 3.02	722.97	ND	19.99	702.98	11/18/21	<57	<3.8	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	2.0	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9
	Dupe1 (MW-116S)			--	11/18/21	<40	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	1.8	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0
	722.97	ND	20.87	702.10	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.15	701.82	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.25	701.72	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	20.94	702.03	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.89	703.08	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.88	703.09	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.09	701.88	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-117S TOS(bgs): 9 BOS(bgs): 14 GE: 717.15 Finish: Stickup Stickup Height: 3.09	720.24	ND	14.87	705.37	11/18/21	<9.7	<3.9	<1.9	1.9	1.4	<1.9	<1.9	<3.9	2.8	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9
	720.24	ND	15.40	704.84	03/16/22	<10	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	720.24	ND	15.62	704.62	09/13/22	<10	<4.0	<2.0	<2.0	1.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	720.24	ND	15.20	705.04	03/21/23	3.0	1.0	<2.0	1.3	1.3	1.4	<2.0	<2.0	3.2	1.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	720.24	ND	14.59	705.65	09/14/23	<10.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	720.24	ND	14.68	705.56	03/28/24	5.8	<4.0	<2.0	1.3	1.6	<2.0	<2.0	<2.0	1.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	720.24	ND	14.97	705.27	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.24	ND	15.28	704.96	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Results in micrograms per liter (ng/L).

*- USEPA established drinking water Maximum Contaminant Levels (MCLs) in April 2024 for five PFAS compounds, including PFOA and PFOS. MCLs for drining water are used for comparison.

Only PFAS compound detected above laboratory detection limits are summarized on this table. See laboratory report for other compounds.

Footnotes are presented behind the analytical summary tables.

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-100S TOS(bgs): 5 BOS(bgs): 15 GE: 720.56 Finish: stickup Stickup Height: 2.50	723.06	ND	14.97	708.09	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	15.26	707.80	02/25/20	<9.8	20	7	12	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	NA	NA	NA	NA
	723.06	ND	16.07	706.99	08/18/20	<3.9	18	9	9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<2.0
	723.06	ND	17.48	705.58	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	16.40	706.66	09/14/21	<3.9	9	6	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<9.8
	723.06	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.63	705.43	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.42	705.64	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.62	705.44	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	17.40	705.66	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	16.35	706.71	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	ND	15.94	707.12	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.06	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-101S TOS(bgs): 9 BOS(bgs): 19 GE: 719.58 Finish: stickup Stickup Height: 2.50 well destroyed well destroyed well destroyed well destroyed Abandoned 3/18/25	722.08	ND	15.84	706.24	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	16.00	706.08	02/25/20	<10	21	8	12	<10	<10	<10	<10	<10	<10	<10	NA	NA	NA	NA
	722.08	ND	17.00	705.08	08/18/20	<3.9	30	12	18	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<1.9
	722.08	ND	18.58	703.50	03/03/21	<4.1	25	10	15	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<2.1
	722.08	ND	17.59	704.49	09/14/21	<3.9	37	23	13	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<9.7
	722.08	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	15.96	706.12	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	ND	16.56	705.52	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.08	NG	NG	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-102S TOS(bgs): 9 BOS(bgs): 19 GE: 720.28 Finish: stickup Stickup Height: 2.50	722.78	ND	15.58	707.20	07/17/19	<9.7	11	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	NA	NA	NA	NA
	722.78	ND	15.61	707.17	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.13	706.65	08/18/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.07	705.71	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.48	706.30	09/14/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	16.81	705.97	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.36	705.42	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.39	705.39	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	17.23	705.55	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.78	707.00	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	ND	15.88	706.90	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.78	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-103S TOS(bgs): 9 BOS(bgs): 19 GE: 717.16 Finish: stickup Stickup Height: 2.50	719.66	ND	13.71	705.95	07/17/19	<9.4	93	44	48	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	NA	NA	NA	NA
	719.66	ND	13.58	706.08	02/28/20	<9.5	84	47	35	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	NA	NA	NA	NA
	719.66	ND	14.22	705.44	08/19/20	<4.0	120	81	40	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	719.66	ND	15.05	704.61	03/03/21	<5.4	91	65	26	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<4.3	<2.2	<2.2	<2.2	<2.2
	719.66	ND	14.31	705.35	09/16/21	<3.9	46	24	20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<9.8
	719.66	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.66	14.68	14.86	704.80	03/16/22	<3.9	74	47	25	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<3.9
	719.66	ND	15.05	704.61	09/13/22	5.1	73	49	20	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<9.6
	719.66	ND	15.00	704.66	03/21/23	<3.8	10	6	4	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<1.9
	719.66	ND	13.22	706.44	09/14/23	<3.9	58	34	22	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<9.9
	719.66	ND	13.69	705.97	03/28/24	<3.8	63	42	20	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<10
	719.66	ND	13.87	705.79	09/17/24	<4.0	92	59	31	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.8	<2.0	<2.0	<2.0	<10
	719.66	ND	15.01	704.65	03/18/25	<4.2	21	12	8	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<3.8	<2.1	<2.1	<2.1	<10
	719.66	ND	15.00	704.66	09/23/25	<4.1	56	35	18	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<10

TABLE 1b

Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)

RACER 12990 Flint West

Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-104S TOS(bgs): 13 BOS(bgs): 18 GE: 721.53 Finish: flushmount TOC Depth: -0.50	721.03	ND	13.68	707.35	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	13.79	707.24	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	14.22	706.81	08/18/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	9.12	711.91	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.21	705.82	09/14/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.47	705.56	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	15.21	705.82	09/13/22	<3.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<9.5
	721.03	ND	16.25	704.78	03/21/23	<3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<2.0
	721.03	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	ND	14.52	706.51	03/27/24	<3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	721.03	ND	14.15	706.88	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	721.03	DRY	DRY	--	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-105S TOS(bgs): 13 BOS(bgs): 18 GE: 723.64 Finish: flushmount TOC Depth: -0.50	723.14	ND	12.88	710.26	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	12.89	710.25	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.32	708.82	08/18/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.33	708.81	03/02/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.34	708.80	09/14/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.15	708.99	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.17	708.97	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.69	708.45	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.08	709.06	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.30	709.84	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	13.43	709.71	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.14	ND	14.03	709.11	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-106SR TOS(bgs): 13 BOS(bgs): 18 GE: 723.86 Finish: flushmount TOC Depth: -0.50	723.36	ND	14.56	708.80	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	14.63	708.73	02/25/20	<10	7.3	<10	6	<10	<10	<10	<10	<10	<10	<10	NA	NA	NA	NA
	723.36	ND	14.32	709.04	08/18/20	<4.0	7.3	<2.0	6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	723.36	DRY	16.47	706.89	03/02/21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	723.36	DRY	15.87	707.49	09/14/21	<3.8	18	3	15	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<9.6
	723.36	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.30	707.06	03/16/22	<3.9	11	3	8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<3.9
	723.36	ND	15.92	707.44	09/13/22	<3.8	16	4	11	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<9.5
	723.36	ND	17.09	706.27	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	15.11	708.25	09/14/23	<4.0	10	3	8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	723.36	ND	15.21	708.15	03/27/24	<4.0	7	2	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	723.36	ND	15.85	707.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	723.36	ND	16.06	707.30	03/18/25	NS	NS	NS	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10.0
MW-107S TOS(bgs): 13 BOS(bgs): 18 GE: 723.37 Finish: flushmount TOC Depth: -0.50	722.87	ND	15.35	707.52	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.27	707.60	02/25/20	<9.6	14	7	6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6				
	722.87	ND	14.62	708.25	08/18/20	<4.1	24	15	7	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<2.1
	722.87	ND	16.81	706.06	03/02/21	<4.2	16	10	5	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.2	<2.1	<2.1	<2.1	<2.1
	722.87	ND	16.20	706.67	09/15/21	<3.9	7	4	3	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<9.7
	722.87	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.61	706.26	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.40	706.47	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	17.21	705.66	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.87	707.00	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.64	707.23	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	15.39	707.48	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.87	ND	16.07	706.80	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-108S TOS(bgs): 11 BOS(bgs): 16 GE: 711.52 Finish: stickup Stickup Height: 2.50	714.02	ND	11.22	702.80	07/17/19	<9.7	11	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	NA	NA	NA	NA
	714.02	ND	10.85	703.17	02/25/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	11.97	702.05	08/19/20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	12.34	701.68	03/03/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	12.32	701.70	09/15/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	11.90	702.12	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.02	ND	12.97	701.05	09/13/22	<3.6	9	3	6	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<3.6	<1.8	<1.8	<1.8	<9.1
	714.02	ND	12.45	701.57	03/21/23	<3.9	6	2	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<2.0
	714.02	ND	10.66	703.36	09/14/23	<4.0	58	36	21	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	714.02	ND	10.71	703.31	03/27/24	<4.0	3	<2.0	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	714.02	ND	11.28	702.74	09/17/24	<4.1	4	<2.1	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	714.02	ND	11.09	702.93	03/18/25	<4.1	4	<2.0	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	Dup-1 (MW-108S)			--	03/18/25	<4.1	4	<2.1	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	714.02	ND	13.02	701.00	09/23/25	<4.1	5	1	4	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<10
MW-109S TOS(bgs): 9 BOS(bgs): 14 GE: 712.12 Finish: stickup Stickup Height: 2.50	714.62	ND	11.14	703.48	07/17/19	<9.7	28	12	16	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	NA	NA	NA	NA
	714.62	ND	10.89	703.73	02/27/20	<9.9	31	11	19	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9				
	714.62	ND	11.66	702.96	08/19/20	<4.0	29	15	13	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	714.62	ND	11.98	702.64	03/03/21	<3.9	21	9	12	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<1.9
	714.62	ND	11.67	702.95	09/15/21	<3.9	23	12	11	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<9.8
	714.62	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.59	703.03	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	12.25	702.37	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.70	702.92	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.08	703.54	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	8.10	706.52	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.27	703.35	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.62	ND	11.05	703.57	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-110S TOS(bgs): 9 BOS(bgs): 14 GE: 710.57 Finish: stickup Stickup Height: 2.50	713.07	ND	11.83	701.24	07/17/19	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	NA	NA	NA	NA
	713.07	ND	11.45	701.62	02/27/20	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5				
	713.07	ND	12.18	700.89	08/19/20	<4.0	6	<2.0	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	713.07	ND	12.04	701.03	03/03/21	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	713.07	ND	12.36	700.71	09/15/21	<4.2	6	<2.1	5	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.2	<2.1	<2.1	<2.1	<10
	713.07	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	713.07	ND	12.02	701.05	03/16/22	<3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<3.9
	713.07	ND	12.76	700.31	09/13/22	<3.8	6	<1.9	5	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<9.6
	713.07	ND	11.73	701.34	03/21/23	<4.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<2.0
	713.07	ND	11.54	701.53	09/14/23	<3.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<1.9
	713.07	ND	11.17	701.90	03/27/24	<3.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<1.9
	713.07	ND	12.88	700.19	09/17/24	<4.3	6	1	4	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<4.3	<2.2	<2.2	<2.2	<11
	713.07	ND	11.07	702.00	03/18/25	<4.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
	713.07	ND	13.82	699.25	09/23/25	<4.0	4	<2.0	3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
MW-111S TOS(bgs): 9 BOS(bgs): 14 GE: 717.03 Finish: stickup Stickup Height: 2.50	719.53	ND	12.88	706.65	07/17/19	<9.6	36	16	21	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	NA	NA	NA	NA
	719.53	ND	12.65	706.88	02/27/20	<10	32	14	16	<10	<10	<10	<10	<10	<10	<10	NA	NA	NA	NA
	719.53	ND	13.54	705.99	08/19/20	<4.1	33	17	15	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<2.1
	719.53	ND	14.55	704.98	03/03/21	<4.1	25	13	11	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<2.1
	719.53	ND	13.63	705.90	09/16/21	<3.9	11	6	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<9.8
	719.53	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.01	705.52	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.59	704.94	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	DRY	DRY	--	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.07	706.46	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	13.17	706.36	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	719.53	ND	14.25	705.28	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-112S TOS(bgs): 15 BOS(bgs): 20 GE: 720.50 Finish: flushmount TOC Depth: -0.50	720.00	ND	14.43	705.57	07/17/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.00	ND	14.59	705.41	02/27/20	<9.4	22	9	11	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	NA	NA	NA	NA
	Dupe 1 (MW-112S)			--	02/27/20	<10	19	8	9	<10	<10	<10	<10	<10	<10	<10	NA	NA	NA	NA
	720.00	ND	14.95	705.05	08/18/20	<4.0	11	5	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	Dupe #1 (MW-112S)			--	08/18/20	<4.1	13	6	6	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<2.1
	720.00	ND	17.02	702.98	03/02/21	<4.1	9	4	5	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<2.1
	Dupe1 (MW-112S)			--	03/03/21	<3.9	10	4	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<2.0
	720.00	ND	15.15	704.85	09/15/21	<4.1	7	4	3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<10
	Dupe1 (MW-112S)			--	09/15/21	<4.0	8	4	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	720.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.00	ND	16.35	703.65	03/16/22	<4.1	10	5	6	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<4.1
	720.00	ND	16.70	703.30	09/13/22	<3.7	6	3	3	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<3.7	<1.8	<1.8	<1.8	<9.2
	720.00	ND	16.80	703.20	03/21/23	<3.8	13	6	7	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<1.9
	720.00	ND	14.27	705.73	09/14/23	<3.9	10	5	5	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<9.7
	720.00	ND	15.19	704.81	03/27/24	<4.1	7	4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	720.00	ND	14.61	705.39	09/17/24	<4.1	11	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	720.00	ND	16.04	703.96	03/18/25	<4.1	10	5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	720.00	ND	17.62	702.38	09/23/25	<4.1	6	3	3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<10
MW-113S TOS(bgs): 8.5 BOS(bgs): 13.5 GE: 711.50 Finish: stickup Stickup Height: 2.50	714.00	ND	12.31	701.69	07/17/19	<9.5	20	<9.5	16	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	NA	NA	NA	NA
	714.00	ND	12.02	701.98	02/27/20	<9.5	6	<9.5	4	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5				
	714.00	ND	12.79	701.21	08/19/20	<3.9	26	6	19	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<1.9
	714.00	ND	12.94	701.06	03/02/21	<4.0	12	5	7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	714.00	ND	13.01	700.99	09/15/21	<4.1	23	10	13	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<10
	714.00	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.89	701.11	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.60	700.40	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	13.00	701.00	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.78	701.22	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.21	701.79	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.49	701.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.00	ND	12.08	701.92	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b
Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)
RACER 12990 Flint West
Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl- PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-114S TOS(bgs): 7 BOS(bgs): 12 GE: 712.33 Finish: stickup Stickup Height: -0.59	711.74	ND	8.36	703.38	07/17/19	<9.5	31	17	15	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	NA	NA	NA	NA
	711.74	ND	8.11	703.63	02/27/20	<10	31	15	14	<10	<10	<10	<10	<10	<10	<10	NA	NA	NA	NA
	Dupe 2 (MW-114S)			--	02/27/20	<9.7	35	17	17	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	NA	NA	NA	NA
	711.74	ND	8.82	702.92	08/19/20	<3.9	29	18	12	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<1.9
	Dupe #2 (MW-114S)			--	08/19/20	<4.1	36	21	14	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<2.0
	711.74	ND	9.12	702.62	03/03/21	<4.1	22	12	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<2.0
	Dupe-2 (MW-114S)			--	03/03/21	<4.1	25	14	10	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<2.1
	711.74	ND	8.82	702.92	09/15/21	<4.0	21	12	9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	Dupe-2 (MW-114S)			--	09/15/21	<4.1	18	11	7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<10
	711.74	NG	NG	--	11/18/21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	711.74	ND	8.72	703.02	03/16/22	<3.9	16	7	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<3.9
	Dupe1 (MW-114S)			--	03/16/22	<4.1	13	5	8	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.1	<2.1	<2.1	<2.1	<4.1
	711.74	ND	9.42	702.32	09/13/22	<3.7	30	18	12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<3.7	<1.8	<1.8	<1.8	<9.2
	Dupe1 (MW-114S)			--	09/13/22	<3.8	23	14	9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<9.5
	711.74	ND	8.84	702.90	03/21/23	<4.0	17	9	8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	Dupe1 (MW-114S)			--	03/21/23	<3.9	15	8	8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<2.0
	711.74	ND	7.98	703.76	09/14/23	<3.9	14	7	7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.9	<2.0	<2.0	<2.0	<2.0
	Dupe1 (MW-114S)			--	09/14/23	<4.0	14	8	7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	711.74	ND	10.89	700.85	03/27/24	<3.9	13	5	7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	Dupe1 (MW-114S)			--	03/27/24	<4.0	15	7	7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
MW-115S TOS(bgs): 7 BOS(bgs): 12 GE: 711.92 Finish: Stickup Stickup Height: 3.06	714.98	ND	11.35	703.63	11/18/21	2.6	27	18	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<10
	714.98	ND	11.89	703.09	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	12.43	702.55	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.94	703.04	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.23	703.75	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.10	703.88	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.47	703.51	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	714.98	ND	11.09	703.89	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 1b

Groundwater Analytical Results- Per- and Polyfluoroalkyl Substances (PFAS)

RACER 12990 Flint West

Stevenson Street and Glenwood Avenue, Flint, Michigan

EGLE Generic Residential Cleanup Criteria						EtFOSAA	PFOS	PFOS-LN	PFOS-BR	PFUnDA	PFNS	PFDoDA	PFDS	PFTrDA	FOSA	PFTeDA	11Cl-PF3OUdS	9Cl-PF3ONS	ADONA	HFPO-DA
Chemical Abstract Service Number						2991-50-6	1763-23-1	1763-23-1-LN	1763-23-1-BR	2058-94-8	68259-12-1	307-55-1	335-77-3	72629-94-8	754-91-6	376-06-7	763051-92-9	756426-58-1	919005-14-4	13252-13-6
Drinking Water - Res*						NC	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10
Groundwater Surface Water Interface						NC	12	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Sample Location TOS & BOS = Top & Bottom -of- Screen (ft bgs) Ground Elevation (GE) (ft)	TOC (feet)	DT NAPL (feet)	DTW (feet)	GW Elev (feet)	Sample Date															
MW-116S TOS(bgs): 14 BOS(bgs): 19 GE: 719.95 Finish: Stickup Stickup Height: 3.02	722.97	ND	19.99	702.98	11/18/21	<3.8	22	15	7	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.8	<1.9	<1.9	<1.9	<9.5
	Dupe1 (MW-116S)			--	11/18/21	<4.0	23	14	8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	722.97	ND	20.87	702.10	03/16/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.15	701.82	09/13/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.25	701.72	03/21/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	20.94	702.03	09/14/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.89	703.08	03/27/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	19.88	703.09	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	722.97	ND	21.09	701.88	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-117S TOS(bgs): 9 BOS(bgs): 14 GE: 717.15 Finish: Stickup Stickup Height: 3.09	720.24	ND	14.87	705.37	11/18/21	<3.9	3	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<3.9	<1.9	<1.9	<1.9	<9.7
	720.24	ND	15.40	704.84	03/16/22	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<4.0
	720.24	ND	15.62	704.62	09/13/22	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10
	720.24	ND	15.20	705.04	03/21/23	<4.1	2	<2.0	1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.1	<2.0	<2.0	<2.0	<2.0
	720.24	ND	14.59	705.65	09/14/23	<4.0	3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10.0
	720.24	ND	14.68	705.56	03/28/24	<4.0	3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<10.0
	720.24	ND	14.97	705.27	09/17/24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	720.24	ND	15.28	704.96	03/18/25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Results in micrograms per liter (ng/L).

*- USEPA established drinking water Maximum Contaminant Levels (MCLs) in April 2024 for five PFAS compounds, including PFOA and PFOS. MCLs for drining water are used for comparison.

Only PFAS compound detected above laboratory detection limits are summarized on this table. See laboratory report for other compounds.

Footnotes are presented behind the analytical summary tables.



Analytical Laboratory Report

Report ID: S79185.01(01)
Generated on 09/29/2025

Report to
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Report Summary
Lab Sample ID(s): S79185.01-S79185.05
Project: 11-4317-102
Collected Date(s): 09/23/2025
Submitted Date/Time: 09/23/2025 14:00
Sampled by: Hannah Neumann
P.O. #: PO

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
ASTMD7979-19M	ASTM Method D7979 - 19 Modified (Isotopic Dilution)
E200.8	EPA Method 200.8 Revision 5.4
N/A	Not Applicable
SM3500-Cr B	Standard Method 3500 Cr B 2020
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW5030C/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6



Analytical Laboratory Report

Sample Summary (5 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S79185.01	TB-1-20250923	Liquid	09/23/25 09:38
S79185.02	FB-1-20250923	Liquid	09/23/25 09:52
S79185.03	EB-1-20250923	Liquid	09/23/25 10:33
S79185.04	MW-112S-20250923	Liquid	09/23/25 11:41
S79185.05	MW-110S-20250923	Liquid	09/23/25 12:45



Analytical Laboratory Report

Lab Sample ID: S79185.01
Sample Tag: TB-1-20250923
Collected Date/Time: 09/23/2025 09:38
Matrix: Liquid
COC Reference: 188052

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	5.2	IR
3	40mL Glass	HCL	Yes	5.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	10.85/6.48/9	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 15:44, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	12	10	2.1	ng/L	2.06	375-22-4	1
PFPeA*	6.2	4.1	1.2	ng/L	2.06	2706-90-3	1
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.06	757124-72-4	
PFHxA*	4.6	2.1	1.2	ng/L	2.06	307-24-4	1
PFBS*	2.2	2.1	0.62	ng/L	2.06	375-73-5	1
PFHpA*	Not detected	2.1	0.82	ng/L	2.06	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.06	2706-91-4	
6:2 FTSA*	9.2	2.1	1.0	ng/L	2.06	27619-97-2	1
PFOA*	Not detected	2.1	0.82	ng/L	2.06	335-67-1	
PFHxS*	Not detected	2.1	1.0	ng/L	2.06	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.06	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.06	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.06	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.06	39108-34-4	
PFHpS*	Not detected	2.1	0.82	ng/L	2.06	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.06	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.06	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.06	2991-50-6	
PFOS*	Not detected	2.1	0.82	ng/L	2.06	1763-23-1	
PFOS-LN*	Not detected	2.1	0.82	ng/L	2.06	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.82	ng/L	2.06	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.06	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.06	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.06	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.06	335-77-3	
PFTTrDA*	Not detected	2.1	0.82	ng/L	2.06	72629-94-8	
FOSA*	Not detected	2.1	0.82	ng/L	2.06	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.06	376-06-7	
11CI-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.06	763051-92-9	
9CI-PF3ONS*	Not detected	2.1	1.0	ng/L	2.06	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.06	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.06	13252-13-6	

1-suspected laboratory cross-contamination



Analytical Laboratory Report

Lab Sample ID: S79185.01 (continued)

Sample Tag: TB-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:04, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	60-29-7	
Acetone	Not detected	50	8.9	ug/L	1	67-64-1	
Methyl iodide	Not detected	1	0.25	ug/L	1	74-88-4	
Carbon disulfide	Not detected	5	0.57	ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2	0.48	ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	75-71-8	
Chloromethane	Not detected	5	0.78	ug/L	1	74-87-3	
Vinyl chloride	Not detected	1	0.22	ug/L	1	75-01-4	
Bromomethane	Not detected	5	0.24	ug/L	1	74-83-9	
Chloroethane	Not detected	5	0.37	ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1	0.28	ug/L	1	75-35-4	
Methylene chloride	Not detected	5	0.24	ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1	0.17	ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1	0.14	ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1	0.15	ug/L	1	156-59-2	
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	109-99-9	
Chloroform	Not detected	1	0.13	ug/L	1	67-66-3	
Bromochloromethane	Not detected	1	0.17	ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1	0.21	ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	108-10-1	
2-Hexanone	Not detected	50	0.61	ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	56-23-5	
Benzene	Not detected	1	0.14	ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	107-06-2	
Trichloroethene	Not detected	1	0.14	ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1	0.29	ug/L	1	75-27-4	
Dibromomethane	Not detected	5	0.16	ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-01-5	
Toluene	Not detected	1	0.13	ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1	0.19	ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5	0.22	ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	106-93-4	
Chlorobenzene	Not detected	1	0.13	ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	630-20-6	
Ethylbenzene	Not detected	1	0.15	ug/L	1	100-41-4	
p,m-Xylene	Not detected	2	0.33	ug/L	1		
o-Xylene	Not detected	1	0.19	ug/L	1	95-47-6	
Styrene	Not detected	1	0.16	ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5	0.17	ug/L	1	98-82-8	
Bromoform	Not detected	1	0.17	ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1	0.22	ug/L	1	103-65-1	



Analytical Laboratory Report

Lab Sample ID: S79185.01 (continued)

Sample Tag: TB-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:04, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Bromobenzene	Not detected	1	0.19	ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1	0.49	ug/L	1	104-51-8	
Hexachloroethane	Not detected	5	0.29	ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	87-61-6	
Naphthalene	Not detected	5	0.48	ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S79185.02
Sample Tag: FB-1-20250923
Collected Date/Time: 09/23/2025 09:52
Matrix: Liquid
COC Reference: 188052

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	5.2	IR
3	40mL Glass	HCL	Yes	5.2	IR
1	125mL Plastic	HNO3	Yes	5.2	IR
1	125mL Plastic	None	Yes	5.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.59/6.48/10	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f

Inorganics

Method: SM3500-Cr B, Run Date: 09/24/25 13:00, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.01	0.004	mg/L	1	18540-29-9	cF

Method: SM3500-Cr B, Run Date: 09/24/25 12:00, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.01	0.004	mg/L	1	18540-29-9	F

Metals

Method: E200.8, Run Date: 09/29/25 11:31, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	0.001712	0.005	0.000750	mg/L	5	7440-47-3	b
Copper	Not detected	0.005	0.000800	mg/L	5	7440-50-8	
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	Not detected	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 11:32, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	Not detected	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	Not detected	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab
c-Filtered in lab F-Analysis run outside of holding time
b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79185.02 (continued)

Sample Tag: FB-1-20250923

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 16:04, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8	2.0	ng/L	1.96	375-22-4	
PFPeA*	Not detected	3.9	1.2	ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.96	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	1.96	307-24-4	
PFBS*	Not detected	2.0	0.59	ng/L	1.96	375-73-5	
PFHpA*	Not detected	2.0	0.78	ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.98	ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0	0.78	ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0	0.98	ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0	0.78	ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.96	2991-50-6	
PFOS*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.96	68259-12-1	
PFDODA*	Not detected	2.0	0.59	ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.96	335-77-3	
PFTTrDA*	Not detected	2.0	0.78	ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.96	376-06-7	
11CI-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.96	763051-92-9	
9CI-PF3ONS*	Not detected	2.0	0.98	ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.96	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:28, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	60-29-7	
Acetone	Not detected	50	8.9	ug/L	1	67-64-1	
Methyl iodide	Not detected	1	0.25	ug/L	1	74-88-4	
Carbon disulfide	Not detected	5	0.57	ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2	0.48	ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	75-71-8	
Chloromethane	Not detected	5	0.78	ug/L	1	74-87-3	
Vinyl chloride	Not detected	1	0.22	ug/L	1	75-01-4	
Bromomethane	Not detected	5	0.24	ug/L	1	74-83-9	
Chloroethane	Not detected	5	0.37	ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1	0.28	ug/L	1	75-35-4	



Analytical Laboratory Report

Lab Sample ID: S79185.02 (continued)

Sample Tag: FB-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:28, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Methylene chloride	Not detected	5	0.24	ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1	0.17	ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1	0.14	ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1	0.15	ug/L	1	156-59-2	
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	109-99-9	
Chloroform	Not detected	1	0.13	ug/L	1	67-66-3	
Bromochloromethane	Not detected	1	0.17	ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1	0.21	ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	108-10-1	
2-Hexanone	Not detected	50	0.61	ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	56-23-5	
Benzene	Not detected	1	0.14	ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	107-06-2	
Trichloroethene	Not detected	1	0.14	ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1	0.29	ug/L	1	75-27-4	
Dibromomethane	Not detected	5	0.16	ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-01-5	
Toluene	Not detected	1	0.13	ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1	0.19	ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5	0.22	ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	106-93-4	
Chlorobenzene	Not detected	1	0.13	ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	630-20-6	
Ethylbenzene	Not detected	1	0.15	ug/L	1	100-41-4	
p,m-Xylene	Not detected	2	0.33	ug/L	1		
o-Xylene	Not detected	1	0.19	ug/L	1	95-47-6	
Styrene	Not detected	1	0.16	ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5	0.17	ug/L	1	98-82-8	
Bromoform	Not detected	1	0.17	ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1	0.22	ug/L	1	103-65-1	
Bromobenzene	Not detected	1	0.19	ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1	0.49	ug/L	1	104-51-8	
Hexachloroethane	Not detected	5	0.29	ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	120-82-1	



Analytical Laboratory Report

Lab Sample ID: S79185.02 (continued)
Sample Tag: FB-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:28, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	87-61-6	
Naphthalene	Not detected	5	0.48	ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S79185.03

Sample Tag: EB-1-20250923

Collected Date/Time: 09/23/2025 10:33

Matrix: Liquid

COC Reference: 188052

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.2	IR
3	40mL Glass	HCL	Yes	5.2	IR
1	125mL Plastic	HNO3	Yes	5.2	IR
1	15mL Centrifuge Tube	None	Yes	5.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	13.24/6.48/14	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/23/25 16:15, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.01	0.004	mg/L	1	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/23/25 15:50, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.01	0.004	mg/L	1	18540-29-9	

Metals

Method: E200.8, Run Date: 09/29/25 11:35, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	Not detected	0.005	0.000750	mg/L	5	7440-47-3	
Copper	Not detected	0.005	0.000800	mg/L	5	7440-50-8	
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	Not detected	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 11:36, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	Not detected	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	Not detected	0.005	0.00325	mg/L	5	7440-66-6	f

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 16:24, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.07	375-22-4	

f-Filtered and preserved in lab

c-Filtered in lab



Analytical Laboratory Report

Lab Sample ID: S79185.03 (continued)

Sample Tag: EB-1-20250923

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 16:24, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFPeA*	Not detected	4.1	1.2	ng/L	2.07	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.07	757124-72-4	
PFHxA*	Not detected	2.1	1.2	ng/L	2.07	307-24-4	
PFBS*	Not detected	2.1	0.62	ng/L	2.07	375-73-5	
PFHpA*	Not detected	2.1	0.83	ng/L	2.07	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.07	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.07	27619-97-2	
PFOA*	Not detected	2.1	0.83	ng/L	2.07	335-67-1	
PFHxS*	Not detected	2.1	1.0	ng/L	2.07	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.07	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.07	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.07	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.07	39108-34-4	
PFHpS*	Not detected	2.1	0.83	ng/L	2.07	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.07	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.07	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.07	2991-50-6	
PFOS*	Not detected	2.1	0.83	ng/L	2.07	1763-23-1	
PFOS-LN*	Not detected	2.1	0.83	ng/L	2.07	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.83	ng/L	2.07	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.83	ng/L	2.07	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.07	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.07	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.07	335-77-3	
PFTTrDA*	Not detected	2.1	0.83	ng/L	2.07	72629-94-8	
FOSA*	Not detected	2.1	0.83	ng/L	2.07	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.07	376-06-7	
11CI-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.07	763051-92-9	
9CI-PF3ONS*	Not detected	2.1	1.0	ng/L	2.07	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.07	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.07	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:52, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	60-29-7	
Acetone	Not detected	50	8.9	ug/L	1	67-64-1	
Methyl iodide	Not detected	1	0.25	ug/L	1	74-88-4	
Carbon disulfide	Not detected	5	0.57	ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2	0.48	ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	75-71-8	
Chloromethane	Not detected	5	0.78	ug/L	1	74-87-3	
Vinyl chloride	Not detected	1	0.22	ug/L	1	75-01-4	
Bromomethane	Not detected	5	0.24	ug/L	1	74-83-9	
Chloroethane	Not detected	5	0.37	ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1	0.28	ug/L	1	75-35-4	
Methylene chloride	Not detected	5	0.24	ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1	0.17	ug/L	1	156-60-5	



Analytical Laboratory Report

Lab Sample ID: S79185.03 (continued)

Sample Tag: EB-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:52, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1-Dichloroethane	Not detected	1	0.14	ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1	0.15	ug/L	1	156-59-2	
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	109-99-9	
Chloroform	Not detected	1	0.13	ug/L	1	67-66-3	
Bromochloromethane	Not detected	1	0.17	ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1	0.21	ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	108-10-1	
2-Hexanone	Not detected	50	0.61	ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	56-23-5	
Benzene	Not detected	1	0.14	ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	107-06-2	
Trichloroethene	Not detected	1	0.14	ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1	0.29	ug/L	1	75-27-4	
Dibromomethane	Not detected	5	0.16	ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-01-5	
Toluene	Not detected	1	0.13	ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1	0.19	ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5	0.22	ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	106-93-4	
Chlorobenzene	Not detected	1	0.13	ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	630-20-6	
Ethylbenzene	Not detected	1	0.15	ug/L	1	100-41-4	
p,m-Xylene	Not detected	2	0.33	ug/L	1		
o-Xylene	Not detected	1	0.19	ug/L	1	95-47-6	
Styrene	Not detected	1	0.16	ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5	0.17	ug/L	1	98-82-8	
Bromoform	Not detected	1	0.17	ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1	0.22	ug/L	1	103-65-1	
Bromobenzene	Not detected	1	0.19	ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1	0.49	ug/L	1	104-51-8	
Hexachloroethane	Not detected	5	0.29	ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	87-61-6	
Naphthalene	Not detected	5	0.48	ug/L	1	91-20-3	



Analytical Laboratory Report

Lab Sample ID: S79185.03 (continued)
Sample Tag: EB-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 14:52, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S79185.04
Sample Tag: MW-112S-20250923
Collected Date/Time: 09/23/2025 11:41
Matrix: Liquid
COC Reference: 188052

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.2	IR
3	40mL Glass	HCL	Yes	5.2	IR
1	125mL Plastic	HNO3	Yes	5.2	IR
1	15mL Centrifuge Tube	None	Yes	5.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.90/6.48/11	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/23/25 16:20, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.01	0.004	mg/L	1	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/23/25 16:00, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.25	0.1	mg/L	25	18540-29-9	

Metals

Method: E200.8, Run Date: 09/29/25 11:39, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.052	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	Not detected	0.005	0.000750	mg/L	5	7440-47-3	
Copper	Not detected	0.005	0.000800	mg/L	5	7440-50-8	
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	0.004112	0.005	0.00325	mg/L	5	7440-66-6	b

Method: E200.8, Run Date: 09/29/25 11:42, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.052	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	0.000814	0.005	0.000750	mg/L	5	7440-47-3	fb
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	Not detected	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab
c-Filtered in lab
b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79185.04 (continued)

Sample Tag: MW-112S-20250923

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/25/25 12:18, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.03	375-22-4	
PFPeA*	Not detected	4.1	1.2	ng/L	2.03	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.03	757124-72-4	I
PFHxA*	Not detected	2.0	1.2	ng/L	2.03	307-24-4	
PFBS*	1.9	2.0	0.61	ng/L	2.03	375-73-5	J
PFHpA*	0.83	2.0	0.81	ng/L	2.03	375-85-9	J
PFPeS*	Not detected	2.0	1.8	ng/L	2.03	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.03	27619-97-2	
PFOA*	1.3	2.0	0.81	ng/L	2.03	335-67-1	J
PFHxS*	Not detected	2.0	1.0	ng/L	2.03	355-46-4	
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2.03	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.03	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.03	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.03	39108-34-4	
PFHpS*	Not detected	2.0	0.81	ng/L	2.03	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.03	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.03	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.03	2991-50-6	
PFOS*	5.8	2.0	0.81	ng/L	2.03	1763-23-1	
PFOS-LN*	2.5	2.0	0.81	ng/L	2.03	1763-23-1-LN	
PFOS-BR*	3.1	2.0	0.81	ng/L	2.03	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.81	ng/L	2.03	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.03	68259-12-1	
PFDODA*	Not detected	2.0	0.61	ng/L	2.03	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.03	335-77-3	
PFTTrDA*	Not detected	2.0	0.81	ng/L	2.03	72629-94-8	
FOSA*	Not detected	2.0	0.81	ng/L	2.03	754-91-6	
PFTeDA*	Not detected	4.1	0.61	ng/L	2.03	376-06-7	
11CI-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.03	763051-92-9	
9CI-PF3ONS*	Not detected	2.0	1.0	ng/L	2.03	756426-58-1	
ADONA*	Not detected	2.0	0.61	ng/L	2.03	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.03	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 15:15, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	60-29-7	
Acetone	Not detected	50	8.9	ug/L	1	67-64-1	
Methyl iodide	Not detected	1	0.25	ug/L	1	74-88-4	
Carbon disulfide	Not detected	5	0.57	ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2	0.48	ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	75-71-8	
Chloromethane	Not detected	5	0.78	ug/L	1	74-87-3	
Vinyl chloride	0.72	1	0.22	ug/L	1	75-01-4	J
Bromomethane	Not detected	5	0.24	ug/L	1	74-83-9	
Chloroethane	Not detected	5	0.37	ug/L	1	75-00-3	

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79185.04 (continued)

Sample Tag: MW-112S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 15:15, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1	0.28	ug/L	1	75-35-4	
Methylene chloride	Not detected	5	0.24	ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1	0.17	ug/L	1	156-60-5	
1,1-Dichloroethane	0.45	1	0.14	ug/L	1	75-34-3	J
cis-1,2-Dichloroethene	0.35	1	0.15	ug/L	1	156-59-2	J
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	109-99-9	
Chloroform	Not detected	1	0.13	ug/L	1	67-66-3	
Bromochloromethane	Not detected	1	0.17	ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1	0.21	ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	108-10-1	
2-Hexanone	Not detected	50	0.61	ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	56-23-5	
Benzene	Not detected	1	0.14	ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	107-06-2	
Trichloroethene	0.37	1	0.14	ug/L	1	79-01-6	J
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1	0.29	ug/L	1	75-27-4	
Dibromomethane	Not detected	5	0.16	ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-01-5	
Toluene	Not detected	1	0.13	ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1	0.19	ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5	0.22	ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	106-93-4	
Chlorobenzene	Not detected	1	0.13	ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	630-20-6	
Ethylbenzene	Not detected	1	0.15	ug/L	1	100-41-4	
p,m-Xylene	Not detected	2	0.33	ug/L	1		
o-Xylene	Not detected	1	0.19	ug/L	1	95-47-6	
Styrene	Not detected	1	0.16	ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5	0.17	ug/L	1	98-82-8	
Bromoform	Not detected	1	0.17	ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1	0.22	ug/L	1	103-65-1	
Bromobenzene	Not detected	1	0.19	ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1	0.49	ug/L	1	104-51-8	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79185.04 (continued)

Sample Tag: MW-112S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 15:15, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Hexachloroethane	Not detected	5	0.29	ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	87-61-6	
Naphthalene	Not detected	5	0.48	ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S79185.05
Sample Tag: MW-110S-20250923
Collected Date/Time: 09/23/2025 12:45
Matrix: Liquid
COC Reference: 188052

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.2	IR
3	40mL Glass	HCL	Yes	5.2	IR
1	125mL Plastic	HNO3	Yes	5.2	IR
1	15mL Centrifuge Tube	None	Yes	5.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.97/6.48/11	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/23/25 16:30, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.01	0.004	mg/L	1	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/23/25 16:05, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.01	0.004	mg/L	1	18540-29-9	

Metals

Method: E200.8, Run Date: 09/29/25 11:43, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.003	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	0.001832	0.005	0.000750	mg/L	5	7440-47-3	b
Copper	0.000919	0.005	0.000800	mg/L	5	7440-50-8	b
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	Not detected	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 11:45, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.003	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	Not detected	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab
c-Filtered in lab
b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79185.05 (continued)

Sample Tag: MW-110S-20250923

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 17:04, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2	307-24-4	
PFBS*	1.1	2.0	0.60	ng/L	2	375-73-5	J
PFHpA*	Not detected	2.0	0.80	ng/L	2	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2	27619-97-2	
PFOA*	2.7	2.0	0.80	ng/L	2	335-67-1	
PFHxS*	2.3	2.0	1.0	ng/L	2	355-46-4	
PFHxS-LN*	1.7	2.0	1.0	ng/L	2	355-46-4-LN	J
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2	2991-50-6	
PFOS*	4.0	2.0	0.80	ng/L	2	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2	1763-23-1-LN	
PFOS-BR*	3.1	2.0	0.80	ng/L	2	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2	376-06-7	
11CI-PF3OUdS*	Not detected	2.0	1.0	ng/L	2	763051-92-9	
9CI-PF3ONS*	Not detected	2.0	1.0	ng/L	2	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 15:39, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	60-29-7	
Acetone	Not detected	50	8.9	ug/L	1	67-64-1	
Methyl iodide	Not detected	1	0.25	ug/L	1	74-88-4	
Carbon disulfide	Not detected	5	0.57	ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2	0.48	ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	75-71-8	
Chloromethane	Not detected	5	0.78	ug/L	1	74-87-3	
Vinyl chloride	Not detected	1	0.22	ug/L	1	75-01-4	
Bromomethane	Not detected	5	0.24	ug/L	1	74-83-9	
Chloroethane	Not detected	5	0.37	ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	75-69-4	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79185.05 (continued)

Sample Tag: MW-110S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 15:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,1-Dichloroethene	Not detected	1	0.28	ug/L	1	75-35-4	
Methylene chloride	Not detected	5	0.24	ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1	0.17	ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1	0.14	ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1	0.15	ug/L	1	156-59-2	
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	109-99-9	
Chloroform	Not detected	1	0.13	ug/L	1	67-66-3	
Bromochloromethane	Not detected	1	0.17	ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1	0.21	ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	108-10-1	
2-Hexanone	Not detected	50	0.61	ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	56-23-5	
Benzene	Not detected	1	0.14	ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	107-06-2	
Trichloroethene	Not detected	1	0.14	ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1	0.29	ug/L	1	75-27-4	
Dibromomethane	Not detected	5	0.16	ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-01-5	
Toluene	Not detected	1	0.13	ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1	0.19	ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5	0.22	ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	106-93-4	
Chlorobenzene	Not detected	1	0.13	ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	630-20-6	
Ethylbenzene	Not detected	1	0.15	ug/L	1	100-41-4	
p,m-Xylene	Not detected	2	0.33	ug/L	1		
o-Xylene	Not detected	1	0.19	ug/L	1	95-47-6	
Styrene	Not detected	1	0.16	ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5	0.17	ug/L	1	98-82-8	
Bromoform	Not detected	1	0.17	ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1	0.22	ug/L	1	103-65-1	
Bromobenzene	Not detected	1	0.19	ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1	0.49	ug/L	1	104-51-8	
Hexachloroethane	Not detected	5	0.29	ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	96-12-8	



Analytical Laboratory Report

Lab Sample ID: S79185.05 (continued)
Sample Tag: MW-110S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 15:39, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	87-61-6	
Naphthalene	Not detected	5	0.48	ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	91-57-6	

Merit Laboratories Login Checklist

Lab Set ID:S79185

Client:APPLIED (Applied Ecosystems)

Project: 11-4317-102

Submitted:09/23/2025 14:00 Login User: MMC

Attention: Hannah Neumann

Address: Applied Ecosystems
G4300 S. Saginaw Street
Burton, MI 48529

Phone: O:810-715-2525

FAX:

Email: hneumann@appliedecosystems.com

Selection	Description	Note
Sample Receiving		
01. ☒ Yes ☐ No ☐ N/A	Samples are received at 4C +/- 2C Thermometer #	IR 5.2
02. ☒ Yes ☐ No ☐ N/A	Received on ice/ cooling process begun	
03. ☐ Yes ☒ No ☐ N/A	Samples shipped	
04. ☐ Yes ☒ No ☐ N/A	Samples left in 24 hr. drop box	
05. ☐ Yes ☐ No ☒ N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody		
06. ☐ Yes ☒ No ☐ N/A	COC adequately filled out	Analyses not listed
07. ☒ Yes ☐ No ☐ N/A	COC signed and relinquished to the lab	
08. ☒ Yes ☐ No ☐ N/A	Sample tag on bottles match COC	
09. ☐ Yes ☒ No ☐ N/A	Subcontracting needed? Subcontacted to:	
Preservation		
10. ☒ Yes ☐ No ☐ N/A	Do sample have correct chemical preservation	
11. ☒ Yes ☐ No ☐ N/A	Completed pH checks on preserved samples? (no VOAs)	
12. ☒ Yes ☐ No ☐ N/A	Did any samples need to be preserved in the lab?	Dissolved Metals
Bottle Conditions		
13. ☒ Yes ☐ No ☐ N/A	All bottles intact	
14. ☒ Yes ☐ No ☐ N/A	Appropriate analytical bottles are used	
15. ☒ Yes ☐ No ☐ N/A	Merit bottles used	
16. ☒ Yes ☐ No ☐ N/A	Sufficient sample volume received	
17. ☒ Yes ☐ No ☐ N/A	Samples require laboratory filtration	Dissolved Metals
18. ☐ Yes ☒ No ☐ N/A	Samples submitted within holding time	Sample .02 non-preserved bottle received on 9/24. Hex Cr past hold time
19. ☐ Yes ☒ No ☐ N/A	Do water VOC, TOX, DO or Alkalinity bottles contain	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories Bottle Preservation Check

Lab Set ID: S79185 Submitted: 09/23/2025 14:00

Client: APPLIED (Applied Ecosystems)

Project: 11-4317-102

Attention: Hannah Neumann
Address: Applied Ecosystems
G4300 S. Saginaw Street
Burton, MI 48529

Initial Preservation Check: 09/23/2025 14:53 MMC

Preservation Recheck (E200.8): N/A

Phone: O:810-715-2525 FAX:
Email: hneumann@appliedecosystems.com

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S79185.02	125mL Plastic HNO3	<2			
S79185.03	125mL Plastic HNO3	<2			
S79185.04	125mL Plastic HNO3	<2			
S79185.05	125mL Plastic HNO3	<2			

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME		Hannah Neumann	
COMPANY		Applied Eco Systems	
ADDRESS		6-4300 South Saginaw Street	
CITY		STATE	ZIP CODE
Burton		MI	48529
PHONE NO.	CELL NO.	P.O. NO.	
810-715-2535	810-250-3068		
E-MAIL ADDRESS		QUOTE NO.	
hneumann@appliedecosystems.com			

CONTACT NAME		☐ SAME	
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.		E-MAIL ADDRESS	

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME 11-4317-102	SAMPLER(S) - PLEASE PRINT/SIGN NAME Hannah Neumann/Hannah Neumann
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER	
DELIVERABLES REQUIRED ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER	

Certifications

☐ OHIO VAP ☐ Drinking Water

☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York

☐ Other _____

Special Instructions

MATRIX	W=WATER	GW=GROUNDWATER	WW=WASTEWATER	S=SOIL	L=LIQUID	SD=SOLID
CODE:	SL=SLUDGE	DW=DRINKING WATER	O=OIL	WP=WIPE	A=AIR	WS=WASTE

[illegible]

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>	☐ Sampler	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>		9/23/25	12:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>		9/23/25	14:00
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>		9/23/25	14:00

RELINQUISHED BY:				DATE	TIME
SIGNATURE/ORGANIZATION					
RECEIVED BY:				DATE	TIME
SIGNATURE/ORGANIZATION					
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	☒ ICE (SOLID) ☐ ICE (MELTED)	TEMP. ON ARRIVAL	S.2
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		☐ BLUE ICE ☐ NONE	

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



Analytical Laboratory Report

Report ID: S79206.01(01)
Generated on 09/29/2025

Report to
Attention: Hannah Neumann
Applied Ecosystems
G4300 S. Saginaw Street
Burton, MI 48529

Phone: O:810-715-2525 C:810-250-3068 FAX:
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John Lavery (johnlavery@meritlabs.com)
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Report Summary
Lab Sample ID(s): S79206.01-S79206.06
Project: 11-4317-102
Collected Date(s): 09/23/2025
Submitted Date/Time: 09/24/2025 09:20
Sampled by: Hannah Neumann
P.O. #: PO

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- Sample Summary (Page 6)


Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
ASTMD7979-19M	ASTM Method D7979 - 19 Modified (Isotopic Dilution)
E200.8	EPA Method 200.8 Revision 5.4
N/A	Not Applicable
SM3500-Cr B	Standard Method 3500 Cr B 2020
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW5030C/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6



Analytical Laboratory Report

Sample Summary (6 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S79206.01	MW-103S-20250923	Liquid	09/23/25 16:20
S79206.02	MS (MW-103S-20250923)	Liquid	09/23/25 16:20
S79206.03	MSD (MW-103S-20250923)	Liquid	09/23/25 16:20
S79206.04	MW-108S-20250923	Liquid	09/23/25 13:45
S79206.05	MW-114S-20250923	Liquid	09/23/25 15:15
S79206.06	DUP-1-20250923	Liquid	09/23/25 00:01



Analytical Laboratory Report

Lab Sample ID: S79206.01

Sample Tag: MW-103S-20250923

Collected Date/Time: 09/23/2025 16:20

Matrix: Liquid

COC Reference: 188051

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.0	IR
3	40mL Glass	HCL	Yes	5.0	IR
1	125mL Plastic	HNO3	Yes	5.0	IR
1	15mL Centrifuge Tube	None	Yes	5.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.84/6.48/11	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/24/25 13:05, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.02	0.01	mg/L	2.5	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/24/25 12:30, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.25	0.1	mg/L	25	18540-29-9	X

Metals

Method: E200.8, Run Date: 09/29/25 11:46, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.072	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	Not detected	0.005	0.000750	mg/L	5	7440-47-3	
Copper	Not detected	0.005	0.000800	mg/L	5	7440-50-8	
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	Not detected	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 11:48, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.026	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	0.000625	0.003	0.000450	mg/L	5	7439-92-1	bf
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	Not detected	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab

c-Filtered in lab

X-Elevated reporting limit due to matrix interference

b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.01 (continued)

Sample Tag: MW-103S-20250923

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 18:04, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.05	375-22-4	
PFPeA*	Not detected	4.1	1.2	ng/L	2.05	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.05	757124-72-4	I
PFHxA*	Not detected	2.1	1.2	ng/L	2.05	307-24-4	
PFBS*	0.70	2.1	0.62	ng/L	2.05	375-73-5	J
PFHpA*	Not detected	2.1	0.82	ng/L	2.05	375-85-9	
PFPeS*	Not detected	2.1	1.8	ng/L	2.05	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.05	27619-97-2	
PFOA*	1.5	2.1	0.82	ng/L	2.05	335-67-1	J
PFHxS*	1.6	2.1	1.0	ng/L	2.05	355-46-4	J
PFHxS-LN*	1.6	2.1	1.0	ng/L	2.05	355-46-4-LN	J
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.05	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.05	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.05	39108-34-4	
PFHpS*	1.1	2.1	0.82	ng/L	2.05	375-92-8	J
PFDA*	Not detected	2.1	1.2	ng/L	2.05	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.05	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.05	2991-50-6	
PFOS*	56	2.1	0.82	ng/L	2.05	1763-23-1	
PFOS-LN*	35	2.1	0.82	ng/L	2.05	1763-23-1-LN	
PFOS-BR*	18	2.1	0.82	ng/L	2.05	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.05	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.05	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.05	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.05	335-77-3	
PFTTrDA*	Not detected	2.1	0.82	ng/L	2.05	72629-94-8	
FOSA*	Not detected	2.1	0.82	ng/L	2.05	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.05	376-06-7	
11CI-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.05	763051-92-9	
9CI-PF3ONS*	Not detected	2.1	1.0	ng/L	2.05	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.05	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.05	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 06:11, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	60-29-7	
Acetone	Not detected	50	8.9	ug/L	1	67-64-1	
Methyl iodide	Not detected	1	0.25	ug/L	1	74-88-4	
Carbon disulfide	Not detected	5	0.57	ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2	0.48	ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	75-71-8	
Chloromethane	Not detected	5	0.78	ug/L	1	74-87-3	
Vinyl chloride	0.34	1	0.22	ug/L	1	75-01-4	J
Bromomethane	Not detected	5	0.24	ug/L	1	74-83-9	
Chloroethane	Not detected	5	0.37	ug/L	1	75-00-3	

I-Matrix interference with internal standard

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.01 (continued)

Sample Tag: MW-103S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 06:11, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1	0.28	ug/L	1	75-35-4	
Methylene chloride	Not detected	5	0.24	ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1	0.17	ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1	0.14	ug/L	1	75-34-3	
cis-1,2-Dichloroethene	0.17	1	0.15	ug/L	1	156-59-2	J
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	109-99-9	
Chloroform	Not detected	1	0.13	ug/L	1	67-66-3	
Bromochloromethane	Not detected	1	0.17	ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1	0.21	ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	108-10-1	
2-Hexanone	Not detected	50	0.61	ug/L	1	591-78-6	
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	56-23-5	
Benzene	0.43	1	0.14	ug/L	1	71-43-2	J
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	107-06-2	
Trichloroethene	Not detected	1	0.14	ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1	0.29	ug/L	1	75-27-4	
Dibromomethane	Not detected	5	0.16	ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-01-5	
Toluene	Not detected	1	0.13	ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1	0.19	ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5	0.22	ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	106-93-4	
Chlorobenzene	0.97	1	0.13	ug/L	1	108-90-7	J
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	630-20-6	
Ethylbenzene	Not detected	1	0.15	ug/L	1	100-41-4	
p,m-Xylene	Not detected	2	0.33	ug/L	1		
o-Xylene	Not detected	1	0.19	ug/L	1	95-47-6	
Styrene	Not detected	1	0.16	ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5	0.17	ug/L	1	98-82-8	
Bromoform	Not detected	1	0.17	ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1	0.22	ug/L	1	103-65-1	
Bromobenzene	Not detected	1	0.19	ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	106-46-7	
1,2-Dichlorobenzene	0.18	1	0.13	ug/L	1	95-50-1	J
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1	0.49	ug/L	1	104-51-8	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.01 (continued)

Sample Tag: MW-103S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 06:11, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Hexachloroethane	Not detected	5	0.29	ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	120-82-1	
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	87-61-6	
Naphthalene	Not detected	5	0.48	ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S79206.02
Sample Tag: MS (MW-103S-20250923)
Collected Date/Time: 09/23/2025 16:20
Matrix: Liquid
COC Reference: 188051

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.0	IR
3	40mL Glass	HCL	Yes	5.0	IR
1	125mL Plastic	HNO3	Yes	5.0	IR
1	15mL Centrifuge Tube	None	Yes	5.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.89/6.48/11	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/24/25 13:10, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	0.102	0.02	0.01	mg/L	2.5	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/24/25 12:35, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	3.82	0.25	0.1	mg/L	25	18540-29-9	X

Metals

Method: E200.8, Run Date: 09/29/25 11:56, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.075	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	0.001688	0.005	0.000750	mg/L	5	7440-47-3	b
Copper	Not detected	0.005	0.000800	mg/L	5	7440-50-8	
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	Not detected	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 11:57, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.029	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	Not detected	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab
c-Filtered in lab
X-Elevated reporting limit due to matrix interference
b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.02 (continued)

Sample Tag: MS (MW-103S-20250923)

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 18:24, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	120	10	2.0	ng/L	2.03	375-22-4	1
PFPeA*	98	4.1	1.2	ng/L	2.03	2706-90-3	1
4:2 FTSA*	110	2.0	0.20	ng/L	2.03	757124-72-4	11
PFHxA*	110	2.0	1.2	ng/L	2.03	307-24-4	1
PFBS*	110	2.0	0.61	ng/L	2.03	375-73-5	1
PFHpA*	110	2.0	0.81	ng/L	2.03	375-85-9	1
PFPeS*	110	2.0	1.8	ng/L	2.03	2706-91-4	1
6:2 FTSA*	100	2.0	1.0	ng/L	2.03	27619-97-2	1
PFOA*	74	2.0	0.81	ng/L	2.03	335-67-1	1
PFHxS*	98	2.0	1.0	ng/L	2.03	355-46-4	1
PFHxS-LN*	83	2.0	1.0	ng/L	2.03	355-46-4-LN	1
PFHxS-BR*	14	2.0	1.0	ng/L	2.03	355-46-4-BR	1
PFNA*	100	2.0	1.0	ng/L	2.03	375-95-1	1
8:2 FTSA*	90	2.0	1.2	ng/L	2.03	39108-34-4	1
PFHpS*	91	2.0	0.81	ng/L	2.03	375-92-8	1
PFDA*	100	2.0	1.2	ng/L	2.03	335-76-2	1
N-MeFOSAA*	92	2.0	1.0	ng/L	2.03	2355-31-9	1
EtFOSAA*	97	4.1	1.0	ng/L	2.03	2991-50-6	1
PFOS*	140	2.0	0.81	ng/L	2.03	1763-23-1	1
PFOS-LN*	92	2.0	0.81	ng/L	2.03	1763-23-1-LN	1
PFOS-BR*	44	2.0	0.81	ng/L	2.03	1763-23-1-BR	1
PFUnDA*	100	2.0	0.81	ng/L	2.03	2058-94-8	1
PFNS*	77	2.0	1.0	ng/L	2.03	68259-12-1	1
PFDODA*	95	2.0	0.61	ng/L	2.03	307-55-1	1
PFDS*	98	2.0	1.0	ng/L	2.03	335-77-3	1
PFTTrDA*	97	2.0	0.81	ng/L	2.03	72629-94-8	1
FOSA*	100	2.0	0.81	ng/L	2.03	754-91-6	1
PFTeDA*	100	4.1	0.61	ng/L	2.03	376-06-7	1
11CI-PF3OUdS*	99	2.0	1.0	ng/L	2.03	763051-92-9	1
9CI-PF3ONS*	84	2.0	1.0	ng/L	2.03	756426-58-1	1
ADONA*	74	2.0	0.61	ng/L	2.03	919005-14-4	1
HFPO-DA*	89	10	2.0	ng/L	2.03	13252-13-6	1

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 23:54, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	49	10	0.33	ug/L	1	60-29-7	2
Acetone	48.1	50	8.9	ug/L	1	67-64-1	J2
Methyl iodide	55	1	0.25	ug/L	1	74-88-4	2
Carbon disulfide	52	5	0.57	ug/L	1	75-15-0	2
tert-Methyl butyl ether (MTBE)	49	5	0.12	ug/L	1	1634-04-4	2
Acrylonitrile	47	2	0.48	ug/L	1	107-13-1	2
2-Butanone (MEK)	46	25	4.7	ug/L	1	78-93-3	2
Dichlorodifluoromethane	51	5	0.35	ug/L	1	75-71-8	2
Chloromethane	44	5	0.78	ug/L	1	74-87-3	2
Vinyl chloride	50	1	0.22	ug/L	1	75-01-4	2

1-spiked @ 101.5 ng/L

I-Matrix interference with internal standard

2-Sample spiked at 50 ug/L

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.02 (continued)

Sample Tag: MS (MW-103S-20250923)

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 23:54, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Bromomethane	44	5	0.24	ug/L	1	74-83-9	1
Chloroethane	48	5	0.37	ug/L	1	75-00-3	1
Trichlorofluoromethane	52	1	0.21	ug/L	1	75-69-4	1
1,1-Dichloroethene	52	1	0.28	ug/L	1	75-35-4	1
Methylene chloride	50	5	0.24	ug/L	1	75-09-2	1
trans-1,2-Dichloroethene	51	1	0.17	ug/L	1	156-60-5	1
1,1-Dichloroethane	51	1	0.14	ug/L	1	75-34-3	1
cis-1,2-Dichloroethene	52	1	0.15	ug/L	1	156-59-2	1
Tetrahydrofuran	42.2	90	4.2	ug/L	1	109-99-9	J1
Chloroform	51	1	0.13	ug/L	1	67-66-3	1
Bromochloromethane	52	1	0.17	ug/L	1	74-97-5	1
1,1,1-Trichloroethane	53	1	0.21	ug/L	1	71-55-6	1
4-Methyl-2-pentanone (MIBK)	47.12	50	0.35	ug/L	1	108-10-1	J1
2-Hexanone	46.96	50	0.61	ug/L	1	591-78-6	J1
Carbon tetrachloride	53	1	0.17	ug/L	1	56-23-5	1
Benzene	51	1	0.14	ug/L	1	71-43-2	1
1,2-Dichloroethane	50	1	0.12	ug/L	1	107-06-2	1
Trichloroethene	52	1	0.14	ug/L	1	79-01-6	1
1,2-Dichloropropane	49	1	0.16	ug/L	1	78-87-5	1
Bromodichloromethane	51	1	0.29	ug/L	1	75-27-4	1
Dibromomethane	52	5	0.16	ug/L	1	74-95-3	1
cis-1,3-Dichloropropene	47	1	0.19	ug/L	1	10061-01-5	1
Toluene	50	1	0.13	ug/L	1	108-88-3	1
trans-1,3-Dichloropropene	47	1	0.19	ug/L	1	10061-02-6	1
1,1,2-Trichloroethane	49	1	0.21	ug/L	1	79-00-5	1
Tetrachloroethene	51	1	0.19	ug/L	1	127-18-4	1
trans-1,4-Dichloro-2-butene	27	1	0.49	ug/L	1	110-57-6	1
Dibromochloromethane	52	5	0.22	ug/L	1	124-48-1	1
1,2-Dibromoethane	51	1	0.20	ug/L	1	106-93-4	1
Chlorobenzene	53	1	0.13	ug/L	1	108-90-7	1
1,1,1,2-Tetrachloroethane	52	1	0.17	ug/L	1	630-20-6	1
Ethylbenzene	51	1	0.15	ug/L	1	100-41-4	1
p,m-Xylene	103	2	0.33	ug/L	1		1
o-Xylene	51	1	0.19	ug/L	1	95-47-6	1
Styrene	51	1	0.16	ug/L	1	100-42-5	1
Isopropylbenzene	51	5	0.17	ug/L	1	98-82-8	1
Bromoform	51	1	0.17	ug/L	1	75-25-2	1
1,1,2,2-Tetrachloroethane	50	1	0.22	ug/L	1	79-34-5	1
1,2,3-Trichloropropane	50	1	0.30	ug/L	1	96-18-4	1
n-Propylbenzene	51	1	0.22	ug/L	1	103-65-1	1
Bromobenzene	53	1	0.19	ug/L	1	108-86-1	1
1,3,5-Trimethylbenzene	53	1	0.22	ug/L	1	108-67-8	1
tert-Butylbenzene	51	1	0.23	ug/L	1	98-06-6	1
1,2,4-Trimethylbenzene	52	1	0.26	ug/L	1	95-63-6	1
sec-Butylbenzene	50	1	0.24	ug/L	1	135-98-8	1
p-Isopropyltoluene	50	5	0.24	ug/L	1	99-87-6	1
1,3-Dichlorobenzene	53	1	0.18	ug/L	1	541-73-1	1
1,4-Dichlorobenzene	52	1	0.16	ug/L	1	106-46-7	1

1-Sample spiked at 50 ug/L

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.02 (continued)
Sample Tag: MS (MW-103S-20250923)

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/24/25 23:54, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	52	1	0.13	ug/L	1	95-50-1	1
1,2,3-Trimethylbenzene	50	1	0.16	ug/L	1	526-73-8	1
n-Butylbenzene	49	1	0.49	ug/L	1	104-51-8	1
Hexachloroethane	51	5	0.29	ug/L	1	67-72-1	1
1,2-Dibromo-3-chloropropane	52	5	0.29	ug/L	1	96-12-8	1
1,2,4-Trichlorobenzene	52	5	0.45	ug/L	1	120-82-1	1
1,2,3-Trichlorobenzene	54	5	0.42	ug/L	1	87-61-6	1
Naphthalene	55	5	0.48	ug/L	1	91-20-3	1
2-Methylnaphthalene	59	5	0.87	ug/L	1	91-57-6	1

1-Sample spiked at 50 ug/L



Analytical Laboratory Report

Lab Sample ID: S79206.03
Sample Tag: MSD (MW-103S-20250923)
Collected Date/Time: 09/23/2025 16:20
Matrix: Liquid
COC Reference: 188051

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.0	IR
3	40mL Glass	HCL	Yes	5.0	IR
1	125mL Plastic	HNO3	Yes	5.0	IR
1	15mL Centrifuge Tube	None	Yes	5.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.21/6.48/12	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/24/25 13:15, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	0.02	0.02	0.01	mg/L	2.5	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/24/25 12:40, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	3.72	0.25	0.1	mg/L	25	18540-29-9	X

Metals

Method: E200.8, Run Date: 09/29/25 12:00, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.072	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	Not detected	0.005	0.000750	mg/L	5	7440-47-3	
Copper	Not detected	0.005	0.000800	mg/L	5	7440-50-8	
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	0.003851	0.005	0.00325	mg/L	5	7440-66-6	b

Method: E200.8, Run Date: 09/29/25 12:01, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.029	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	0.016	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	Not detected	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab
c-Filtered in lab
X-Elevated reporting limit due to matrix interference
b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.03 (continued)

Sample Tag: MSD (MW-103S-20250923)

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 18:44, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	97	10	2.1	ng/L	2.09	375-22-4	1
PFPeA*	100	4.2	1.3	ng/L	2.09	2706-90-3	1
4:2 FTSA*	120	2.1	0.21	ng/L	2.09	757124-72-4	11
PFHxA*	97	2.1	1.3	ng/L	2.09	307-24-4	1
PFBS*	110	2.1	0.63	ng/L	2.09	375-73-5	1
PFHpA*	110	2.1	0.84	ng/L	2.09	375-85-9	1
PFPeS*	94	2.1	1.9	ng/L	2.09	2706-91-4	1
6:2 FTSA*	100	2.1	1.0	ng/L	2.09	27619-97-2	11
PFOA*	81	2.1	0.84	ng/L	2.09	335-67-1	1
PFHxS*	95	2.1	1.0	ng/L	2.09	355-46-4	1
PFHxS-LN*	80	2.1	1.0	ng/L	2.09	355-46-4-LN	1
PFHxS-BR*	15	2.1	1.0	ng/L	2.09	355-46-4-BR	1
PFNA*	95	2.1	1.0	ng/L	2.09	375-95-1	1
8:2 FTSA*	98	2.1	1.3	ng/L	2.09	39108-34-4	1
PFHpS*	92	2.1	0.84	ng/L	2.09	375-92-8	1
PFDA*	95	2.1	1.3	ng/L	2.09	335-76-2	1
N-MeFOSAA*	97	2.1	1.0	ng/L	2.09	2355-31-9	1
EtFOSAA*	98	4.2	1.0	ng/L	2.09	2991-50-6	1
PFOS*	160	2.1	0.84	ng/L	2.09	1763-23-1	1
PFOS-LN*	110	2.1	0.84	ng/L	2.09	1763-23-1-LN	1
PFOS-BR*	56	2.1	0.84	ng/L	2.09	1763-23-1-BR	1
PFUnDA*	85	2.1	0.84	ng/L	2.09	2058-94-8	1
PFNS*	95	2.1	1.0	ng/L	2.09	68259-12-1	1
PFDODA*	96	2.1	0.63	ng/L	2.09	307-55-1	1
PFDS*	110	2.1	1.0	ng/L	2.09	335-77-3	1
PFTTrDA*	100	2.1	0.84	ng/L	2.09	72629-94-8	1
FOSA*	99	2.1	0.84	ng/L	2.09	754-91-6	1
PFTeDA*	96	4.2	0.63	ng/L	2.09	376-06-7	1
11CI-PF3OUdS*	130	2.1	1.0	ng/L	2.09	763051-92-9	1
9CI-PF3ONS*	98	2.1	1.0	ng/L	2.09	756426-58-1	1
ADONA*	94	2.1	0.63	ng/L	2.09	919005-14-4	1
HFPO-DA*	97	10	2.1	ng/L	2.09	13252-13-6	1

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 00:17, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	50	10	0.33	ug/L	1	60-29-7	2
Acetone	48.4	50	8.9	ug/L	1	67-64-1	J2
Methyl iodide	50	1	0.25	ug/L	1	74-88-4	2
Carbon disulfide	51	5	0.57	ug/L	1	75-15-0	2
tert-Methyl butyl ether (MTBE)	50	5	0.12	ug/L	1	1634-04-4	2
Acrylonitrile	47	2	0.48	ug/L	1	107-13-1	2
2-Butanone (MEK)	46	25	4.7	ug/L	1	78-93-3	2
Dichlorodifluoromethane	52	5	0.35	ug/L	1	75-71-8	2
Chloromethane	43	5	0.78	ug/L	1	74-87-3	2
Vinyl chloride	48	1	0.22	ug/L	1	75-01-4	2

1-spiked @ 104.5 ng/L

I-Matrix interference with internal standard

2-Sample spiked at 50 ug/L

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.03 (continued)

Sample Tag: MSD (MW-103S-20250923)

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 00:17, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Bromomethane	44	5	0.24	ug/L	1	74-83-9	1
Chloroethane	48	5	0.37	ug/L	1	75-00-3	1
Trichlorofluoromethane	51	1	0.21	ug/L	1	75-69-4	1
1,1-Dichloroethene	50	1	0.28	ug/L	1	75-35-4	1
Methylene chloride	50	5	0.24	ug/L	1	75-09-2	1
trans-1,2-Dichloroethene	52	1	0.17	ug/L	1	156-60-5	1
1,1-Dichloroethane	51	1	0.14	ug/L	1	75-34-3	1
cis-1,2-Dichloroethene	51	1	0.15	ug/L	1	156-59-2	1
Tetrahydrofuran	43.3	90	4.2	ug/L	1	109-99-9	J1
Chloroform	51	1	0.13	ug/L	1	67-66-3	1
Bromochloromethane	52	1	0.17	ug/L	1	74-97-5	1
1,1,1-Trichloroethane	53	1	0.21	ug/L	1	71-55-6	1
4-Methyl-2-pentanone (MIBK)	47.37	50	0.35	ug/L	1	108-10-1	J1
2-Hexanone	49.47	50	0.61	ug/L	1	591-78-6	J1
Carbon tetrachloride	53	1	0.17	ug/L	1	56-23-5	1
Benzene	51	1	0.14	ug/L	1	71-43-2	1
1,2-Dichloroethane	50	1	0.12	ug/L	1	107-06-2	1
Trichloroethene	51	1	0.14	ug/L	1	79-01-6	1
1,2-Dichloropropane	50	1	0.16	ug/L	1	78-87-5	1
Bromodichloromethane	51	1	0.29	ug/L	1	75-27-4	1
Dibromomethane	54	5	0.16	ug/L	1	74-95-3	1
cis-1,3-Dichloropropene	48	1	0.19	ug/L	1	10061-01-5	1
Toluene	50	1	0.13	ug/L	1	108-88-3	1
trans-1,3-Dichloropropene	48	1	0.19	ug/L	1	10061-02-6	1
1,1,2-Trichloroethane	49	1	0.21	ug/L	1	79-00-5	1
Tetrachloroethene	51	1	0.19	ug/L	1	127-18-4	1
trans-1,4-Dichloro-2-butene	27	1	0.49	ug/L	1	110-57-6	1
Dibromochloromethane	53	5	0.22	ug/L	1	124-48-1	1
1,2-Dibromoethane	53	1	0.20	ug/L	1	106-93-4	1
Chlorobenzene	54	1	0.13	ug/L	1	108-90-7	1
1,1,1,2-Tetrachloroethane	54	1	0.17	ug/L	1	630-20-6	1
Ethylbenzene	52	1	0.15	ug/L	1	100-41-4	1
p,m-Xylene	106	2	0.33	ug/L	1		1
o-Xylene	53	1	0.19	ug/L	1	95-47-6	1
Styrene	52	1	0.16	ug/L	1	100-42-5	1
Isopropylbenzene	52	5	0.17	ug/L	1	98-82-8	1
Bromoform	52	1	0.17	ug/L	1	75-25-2	1
1,1,2,2-Tetrachloroethane	53	1	0.22	ug/L	1	79-34-5	1
1,2,3-Trichloropropane	52	1	0.30	ug/L	1	96-18-4	1
n-Propylbenzene	51	1	0.22	ug/L	1	103-65-1	1
Bromobenzene	55	1	0.19	ug/L	1	108-86-1	1
1,3,5-Trimethylbenzene	53	1	0.22	ug/L	1	108-67-8	1
tert-Butylbenzene	51	1	0.23	ug/L	1	98-06-6	1
1,2,4-Trimethylbenzene	53	1	0.26	ug/L	1	95-63-6	1
sec-Butylbenzene	49	1	0.24	ug/L	1	135-98-8	1
p-Isopropyltoluene	50	5	0.24	ug/L	1	99-87-6	1
1,3-Dichlorobenzene	51	1	0.18	ug/L	1	541-73-1	1
1,4-Dichlorobenzene	52	1	0.16	ug/L	1	106-46-7	1

1-Sample spiked at 50 ug/L

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.03 (continued)
Sample Tag: MSD (MW-103S-20250923)

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 00:17, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2-Dichlorobenzene	53	1	0.13	ug/L	1	95-50-1	1
1,2,3-Trimethylbenzene	49	1	0.16	ug/L	1	526-73-8	1
n-Butylbenzene	48	1	0.49	ug/L	1	104-51-8	1
Hexachloroethane	51	5	0.29	ug/L	1	67-72-1	1
1,2-Dibromo-3-chloropropane	51	5	0.29	ug/L	1	96-12-8	1
1,2,4-Trichlorobenzene	52	5	0.45	ug/L	1	120-82-1	1
1,2,3-Trichlorobenzene	54	5	0.42	ug/L	1	87-61-6	1
Naphthalene	55	5	0.48	ug/L	1	91-20-3	1
2-Methylnaphthalene	62	5	0.87	ug/L	1	91-57-6	1

1-Sample spiked at 50 ug/L



Analytical Laboratory Report

Lab Sample ID: S79206.04

Sample Tag: MW-108S-20250923

Collected Date/Time: 09/23/2025 13:45

Matrix: Liquid

COC Reference: 188051

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.0	IR
3	40mL Glass	HCL	Yes	5.0	IR
1	125mL Plastic	HNO3	Yes	5.0	IR
1	15mL Centrifuge Tube	None	Yes	5.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.35/6.48/10	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/25/25 11:00	BDO	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/24/25 13:20, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.01	0.004	mg/L	1	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/24/25 12:45, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.01	0.004	mg/L	1	18540-29-9	

Metals

Method: E200.8, Run Date: 09/29/25 12:07, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	Not detected	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	Not detected	0.005	0.000750	mg/L	5	7440-47-3	
Copper	Not detected	0.005	0.000800	mg/L	5	7440-50-8	
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	0.006	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 12:09, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	Not detected	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	0.005	0.005	0.00325	mg/L	5	7440-66-6	f

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 19:04, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.05	375-22-4	

f-Filtered and preserved in lab

c-Filtered in lab



Analytical Laboratory Report

Lab Sample ID: S79206.04 (continued)

Sample Tag: MW-108S-20250923

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 19:04, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFPeA*	Not detected	4.1	1.2	ng/L	2.05	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.05	757124-72-4	
PFHxA*	Not detected	2.1	1.2	ng/L	2.05	307-24-4	
PFBS*	1.2	2.1	0.62	ng/L	2.05	375-73-5	J
PFHpA*	Not detected	2.1	0.82	ng/L	2.05	375-85-9	
PFPeS*	Not detected	2.1	1.8	ng/L	2.05	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.05	27619-97-2	
PFOA*	1.1	2.1	0.82	ng/L	2.05	335-67-1	J
PFHxS*	Not detected	2.1	1.0	ng/L	2.05	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.05	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.05	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.05	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.05	39108-34-4	
PFHpS*	Not detected	2.1	0.82	ng/L	2.05	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.05	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.05	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.05	2991-50-6	
PFOS*	4.6	2.1	0.82	ng/L	2.05	1763-23-1	
PFOS-LN*	0.86	2.1	0.82	ng/L	2.05	1763-23-1-LN	J
PFOS-BR*	3.6	2.1	0.82	ng/L	2.05	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.05	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.05	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.05	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.05	335-77-3	
PFTTrDA*	Not detected	2.1	0.82	ng/L	2.05	72629-94-8	
FOSA*	Not detected	2.1	0.82	ng/L	2.05	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.05	376-06-7	
11CI-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.05	763051-92-9	
9CI-PF3ONS*	Not detected	2.1	1.0	ng/L	2.05	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.05	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.05	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 06:35, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	60-29-7	
Acetone	Not detected	50	8.9	ug/L	1	67-64-1	
Methyl iodide	Not detected	1	0.25	ug/L	1	74-88-4	
Carbon disulfide	Not detected	5	0.57	ug/L	1	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	1634-04-4	
Acrylonitrile	Not detected	2	0.48	ug/L	1	107-13-1	
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	78-93-3	
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	75-71-8	
Chloromethane	Not detected	5	0.78	ug/L	1	74-87-3	
Vinyl chloride	Not detected	1	0.22	ug/L	1	75-01-4	
Bromomethane	Not detected	5	0.24	ug/L	1	74-83-9	
Chloroethane	Not detected	5	0.37	ug/L	1	75-00-3	
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1	0.28	ug/L	1	75-35-4	
Methylene chloride	Not detected	5	0.24	ug/L	1	75-09-2	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.04 (continued)

Sample Tag: MW-108S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 06:35, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
trans-1,2-Dichloroethene	Not detected	1	0.17	ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1	0.14	ug/L	1	75-34-3	
cis-1,2-Dichloroethene	Not detected	1	0.15	ug/L	1	156-59-2	
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	109-99-9	
Chloroform	2	1	0.13	ug/L	1	67-66-3	
Bromochloromethane	Not detected	1	0.17	ug/L	1	74-97-5	
1,1,1-Trichloroethane	Not detected	1	0.21	ug/L	1	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	108-10-1	
2-Hexanone	Not detected	50	0.61	ug/L	1	591-78-6	
Carbon tetrachloride	2	1	0.17	ug/L	1	56-23-5	
Benzene	Not detected	1	0.14	ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	107-06-2	
Trichloroethene	0.28	1	0.14	ug/L	1	79-01-6	J
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	78-87-5	
Bromodichloromethane	Not detected	1	0.29	ug/L	1	75-27-4	
Dibromomethane	Not detected	5	0.16	ug/L	1	74-95-3	
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-01-5	
Toluene	Not detected	1	0.13	ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1	0.19	ug/L	1	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	110-57-6	
Dibromochloromethane	Not detected	5	0.22	ug/L	1	124-48-1	
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	106-93-4	
Chlorobenzene	Not detected	1	0.13	ug/L	1	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	630-20-6	
Ethylbenzene	Not detected	1	0.15	ug/L	1	100-41-4	
p,m-Xylene	Not detected	2	0.33	ug/L	1		
o-Xylene	Not detected	1	0.19	ug/L	1	95-47-6	
Styrene	Not detected	1	0.16	ug/L	1	100-42-5	
Isopropylbenzene	Not detected	5	0.17	ug/L	1	98-82-8	
Bromoform	Not detected	1	0.17	ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	79-34-5	
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	96-18-4	
n-Propylbenzene	Not detected	1	0.22	ug/L	1	103-65-1	
Bromobenzene	Not detected	1	0.19	ug/L	1	108-86-1	
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	108-67-8	
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	98-06-6	
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	95-63-6	
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	135-98-8	
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	99-87-6	
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	95-50-1	
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	526-73-8	
n-Butylbenzene	Not detected	1	0.49	ug/L	1	104-51-8	
Hexachloroethane	Not detected	5	0.29	ug/L	1	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	96-12-8	
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.04 (continued)

Sample Tag: MW-108S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 09/25/25 06:35, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	87-61-6	
Naphthalene	Not detected	5	0.48	ug/L	1	91-20-3	
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S79206.05
Sample Tag: MW-114S-20250923
Collected Date/Time: 09/23/2025 15:15
Matrix: Liquid
COC Reference: 188051

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.0	IR
3	40mL Glass	HCL	Yes	5.0	IR
1	125mL Plastic	HNO3	Yes	5.0	IR
1	15mL Centrifuge Tube	None	Yes	5.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.77/6.48/11	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/26/25 11:02	ACK	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/24/25 13:25, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.01	0.004	mg/L	1	18540-29-9	c

Method: SM3500-Cr B, Run Date: 09/24/25 12:50, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.02	0.01	mg/L	2.5	18540-29-9	

Metals

Method: E200.8, Run Date: 09/29/25 12:15, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.066	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	0.000991	0.005	0.000750	mg/L	5	7440-47-3	b
Copper	0.001559	0.005	0.000800	mg/L	5	7440-50-8	b
Lead	0.001451	0.003	0.000450	mg/L	5	7439-92-1	b
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	0.013	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 12:17, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.007	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	0.008	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab
c-Filtered in lab
b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.05 (continued)
Sample Tag: MW-114S-20250923

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 19:24, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.08	375-22-4	
PFPeA*	1.9	4.2	1.2	ng/L	2.08	2706-90-3	J
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.08	757124-72-4	
PFHxA*	1.7	2.1	1.2	ng/L	2.08	307-24-4	J
PFBS*	1.9	2.1	0.62	ng/L	2.08	375-73-5	J
PFHpA*	0.96	2.1	0.83	ng/L	2.08	375-85-9	J
PFPeS*	Not detected	2.1	1.9	ng/L	2.08	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.08	27619-97-2	
PFOA*	1.7	2.1	0.83	ng/L	2.08	335-67-1	J
PFHxS*	Not detected	2.1	1.0	ng/L	2.08	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.08	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.08	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.08	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.08	39108-34-4	
PFHpS*	Not detected	2.1	0.83	ng/L	2.08	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.08	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.08	2355-31-9	
EtFOSAA*	Not detected	4.2	1.0	ng/L	2.08	2991-50-6	
PFOS*	20	2.1	0.83	ng/L	2.08	1763-23-1	
PFOS-LN*	11	2.1	0.83	ng/L	2.08	1763-23-1-LN	
PFOS-BR*	8.5	2.1	0.83	ng/L	2.08	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.83	ng/L	2.08	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.08	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.08	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.08	335-77-3	
PFTTrDA*	Not detected	2.1	0.83	ng/L	2.08	72629-94-8	
FOSA*	Not detected	2.1	0.83	ng/L	2.08	754-91-6	
PFTeDA*	Not detected	4.2	0.62	ng/L	2.08	376-06-7	
11CI-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.08	763051-92-9	
9CI-PF3ONS*	Not detected	2.1	1.0	ng/L	2.08	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.08	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.08	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run #1: 09/25/25 14:34, #2: 09/26/25 20:32, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	Run #	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	Run #1	r
Acetone	Not detected	50	8.9	ug/L	1	Run #1	r
Methyl iodide	Not detected	1	0.25	ug/L	1	Run #1	r
Carbon disulfide	Not detected	5	0.57	ug/L	1	Run #1	r
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	Run #1	r
Acrylonitrile	Not detected	2	0.48	ug/L	1	Run #1	r
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	Run #1	r
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	Run #1	r
Chloromethane	Not detected	5	0.78	ug/L	1	Run #1	r
Vinyl chloride	5	1	0.22	ug/L	1	Run #1	r
Bromomethane	Not detected	5	0.24	ug/L	1	Run #1	r
Chloroethane	Not detected	5	0.37	ug/L	1	Run #1	r

J-Estimated value less than reporting limit, but greater than MDL
r-This analyte is being reported as the best result from multiple runs



Analytical Laboratory Report

Lab Sample ID: S79206.05 (continued)

Sample Tag: MW-114S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run #1: 09/25/25 14:34, #2: 09/26/25 20:32, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	Run #	Flags
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	Run #1	r
1,1-Dichloroethene	0.77	1	0.28	ug/L	1	Run #1	Jr
Methylene chloride	Not detected	5	0.24	ug/L	1	Run #1	r
trans-1,2-Dichloroethene	0.62	1	0.17	ug/L	1	Run #1	Jr
1,1-Dichloroethane	2	1	0.14	ug/L	1	Run #1	r
cis-1,2-Dichloroethene	70	1	0.15	ug/L	1	Run #1	r
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	Run #1	r
Chloroform	Not detected	1	0.13	ug/L	1	Run #1	r
Bromochloromethane	Not detected	1	0.17	ug/L	1	Run #1	r
1,1,1-Trichloroethane	1.00	1	0.21	ug/L	1	Run #1	Jr
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	Run #1	r
2-Hexanone	Not detected	50	0.61	ug/L	1	Run #1	r
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	Run #1	r
Benzene	Not detected	1	0.14	ug/L	1	Run #1	r
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	Run #1	r
Trichloroethene	170	10	1.4	ug/L	10	Run #2	Yr
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	Run #1	r
Bromodichloromethane	Not detected	1	0.29	ug/L	1	Run #1	r
Dibromomethane	Not detected	5	0.16	ug/L	1	Run #1	r
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	Run #1	r
Toluene	Not detected	1	0.13	ug/L	1	Run #1	r
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	Run #1	r
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	Run #1	r
Tetrachloroethene	Not detected	1	0.19	ug/L	1	Run #1	r
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	Run #1	r
Dibromochloromethane	Not detected	5	0.22	ug/L	1	Run #1	r
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	Run #1	r
Chlorobenzene	Not detected	1	0.13	ug/L	1	Run #1	r
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	Run #1	r
Ethylbenzene	Not detected	1	0.15	ug/L	1	Run #1	r
p,m-Xylene	Not detected	2	0.33	ug/L	1	Run #1	r
o-Xylene	Not detected	1	0.19	ug/L	1	Run #1	r
Styrene	Not detected	1	0.16	ug/L	1	Run #1	r
Isopropylbenzene	Not detected	5	0.17	ug/L	1	Run #1	r
Bromoform	Not detected	1	0.17	ug/L	1	Run #1	r
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	Run #1	r
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	Run #1	r
n-Propylbenzene	Not detected	1	0.22	ug/L	1	Run #1	r
Bromobenzene	Not detected	1	0.19	ug/L	1	Run #1	r
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	Run #1	r
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	Run #1	r
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	Run #1	r
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	Run #1	r
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	Run #1	r
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	Run #1	r
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	Run #1	r
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	Run #1	r

r-This analyte is being reported as the best result from multiple runs

J-Estimated value less than reporting limit, but greater than MDL

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S79206.05 (continued)
Sample Tag: MW-114S-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run #1: 09/25/25 14:34, #2: 09/26/25 20:32, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	Run #	Flags
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	Run #1	r
n-Butylbenzene	Not detected	1	0.49	ug/L	1	Run #1	r
Hexachloroethane	Not detected	5	0.29	ug/L	1	Run #1	r
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	Run #1	r
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	Run #1	r
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	Run #1	r
Naphthalene	Not detected	5	0.48	ug/L	1	Run #1	r
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	Run #1	r

r-This analyte is being reported as the best result from multiple runs



Analytical Laboratory Report

Lab Sample ID: S79206.06

Sample Tag: DUP-1-20250923

Collected Date/Time: 09/23/2025 00:01

Matrix: Liquid

COC Reference: 188051

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	None	Yes	5.0	IR
3	40mL Glass	HCL	Yes	5.0	IR
1	125mL Plastic	HNO3	Yes	5.0	IR
1	15mL Centrifuge Tube	None	Yes	5.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.69/6.48/11	ASTMD7979-19M	09/24/25 11:00	CED	
pH check for VOCs*	<2	N/A	09/26/25 11:02	ACK	
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	f
Metal Digestion	Completed	SW3015A	09/29/25 10:00	CCM	

Inorganics

Method: SM3500-Cr B, Run Date: 09/24/25 13:30, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI, Dissolved*	Not detected	0.01	0.004	mg/L	1	18540-29-9	cF

Method: SM3500-Cr B, Run Date: 09/24/25 12:50, Analyst: JKB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chromium VI*	Not detected	0.05	0.02	mg/L	5	18540-29-9	F

Metals

Method: E200.8, Run Date: 09/29/25 12:18, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic	0.068	0.002	0.00145	mg/L	5	7440-38-2	
Chromium	0.009	0.005	0.000750	mg/L	5	7440-47-3	
Copper	0.001133	0.005	0.000800	mg/L	5	7440-50-8	b
Lead	Not detected	0.003	0.000450	mg/L	5	7439-92-1	
Selenium	Not detected	0.005	0.00435	mg/L	5	7782-49-2	
Zinc	0.013	0.005	0.00325	mg/L	5	7440-66-6	

Method: E200.8, Run Date: 09/29/25 12:20, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Arsenic, Dissolved	0.007	0.002	0.00145	mg/L	5	7440-38-2	f
Chromium, Dissolved	Not detected	0.005	0.000750	mg/L	5	7440-47-3	f
Copper, Dissolved	Not detected	0.005	0.000800	mg/L	5	7440-50-8	f
Lead, Dissolved	Not detected	0.003	0.000450	mg/L	5	7439-92-1	f
Selenium, Dissolved	Not detected	0.005	0.00435	mg/L	5	7782-49-2	f
Zinc, Dissolved	0.007	0.005	0.00325	mg/L	5	7440-66-6	f

f-Filtered and preserved in lab

c-Filtered in lab F-Analysis run outside of holding time

b-Value detected less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S79206.06 (continued)

Sample Tag: DUP-1-20250923

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 09/24/25 19:44, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	11	2.1	ng/L	2.11	375-22-4	
PFPeA*	2.0	4.2	1.3	ng/L	2.11	2706-90-3	J
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.11	757124-72-4	
PFHxA*	1.8	2.1	1.3	ng/L	2.11	307-24-4	J
PFBS*	1.5	2.1	0.63	ng/L	2.11	375-73-5	J
PFHpA*	1.2	2.1	0.84	ng/L	2.11	375-85-9	J
PFPeS*	Not detected	2.1	1.9	ng/L	2.11	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.1	ng/L	2.11	27619-97-2	
PFOA*	1.6	2.1	0.84	ng/L	2.11	335-67-1	J
PFHxS*	Not detected	2.1	1.1	ng/L	2.11	355-46-4	
PFHxS-LN*	Not detected	2.1	1.1	ng/L	2.11	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.1	ng/L	2.11	355-46-4-BR	
PFNA*	Not detected	2.1	1.1	ng/L	2.11	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.11	39108-34-4	
PFHpS*	Not detected	2.1	0.84	ng/L	2.11	375-92-8	
PFDA*	Not detected	2.1	1.3	ng/L	2.11	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.1	ng/L	2.11	2355-31-9	
EtFOSAA*	Not detected	4.2	1.1	ng/L	2.11	2991-50-6	
PFOS*	21	2.1	0.84	ng/L	2.11	1763-23-1	
PFOS-LN*	12	2.1	0.84	ng/L	2.11	1763-23-1-LN	
PFOS-BR*	9.1	2.1	0.84	ng/L	2.11	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.84	ng/L	2.11	2058-94-8	
PFNS*	Not detected	2.1	1.1	ng/L	2.11	68259-12-1	
PFDODA*	Not detected	2.1	0.63	ng/L	2.11	307-55-1	
PFDS*	Not detected	2.1	1.1	ng/L	2.11	335-77-3	
PFTTrDA*	Not detected	2.1	0.84	ng/L	2.11	72629-94-8	
FOSA*	Not detected	2.1	0.84	ng/L	2.11	754-91-6	
PFTeDA*	Not detected	4.2	0.63	ng/L	2.11	376-06-7	
11CI-PF3OUdS*	Not detected	2.1	1.1	ng/L	2.11	763051-92-9	
9CI-PF3ONS*	Not detected	2.1	1.1	ng/L	2.11	756426-58-1	
ADONA*	Not detected	2.1	0.63	ng/L	2.11	919005-14-4	
HFPO-DA*	Not detected	11	2.1	ng/L	2.11	13252-13-6	

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run #1: 09/25/25 14:58, #2: 09/26/25 20:56, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	Run #	Flags
Diethyl ether	Not detected	10	0.33	ug/L	1	Run #1	r
Acetone	Not detected	50	8.9	ug/L	1	Run #1	r
Methyl iodide	Not detected	1	0.25	ug/L	1	Run #1	r
Carbon disulfide	Not detected	5	0.57	ug/L	1	Run #1	r
tert-Methyl butyl ether (MTBE)	Not detected	5	0.12	ug/L	1	Run #1	r
Acrylonitrile	Not detected	2	0.48	ug/L	1	Run #1	r
2-Butanone (MEK)	Not detected	25	4.7	ug/L	1	Run #1	r
Dichlorodifluoromethane	Not detected	5	0.35	ug/L	1	Run #1	r
Chloromethane	Not detected	5	0.78	ug/L	1	Run #1	r
Vinyl chloride	5	1	0.22	ug/L	1	Run #1	r
Bromomethane	Not detected	5	0.24	ug/L	1	Run #1	r
Chloroethane	Not detected	5	0.37	ug/L	1	Run #1	r

J-Estimated value less than reporting limit, but greater than MDL

r-This analyte is being reported as the best result from multiple runs



Analytical Laboratory Report

Lab Sample ID: S79206.06 (continued)

Sample Tag: DUP-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run #1: 09/25/25 14:58, #2: 09/26/25 20:56, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	Run #	Flags
Trichlorofluoromethane	Not detected	1	0.21	ug/L	1	Run #1	r
1,1-Dichloroethene	0.85	1	0.28	ug/L	1	Run #1	Jr
Methylene chloride	Not detected	5	0.24	ug/L	1	Run #1	r
trans-1,2-Dichloroethene	0.64	1	0.17	ug/L	1	Run #1	Jr
1,1-Dichloroethane	2	1	0.14	ug/L	1	Run #1	r
cis-1,2-Dichloroethene	69	1	0.15	ug/L	1	Run #1	r
Tetrahydrofuran	Not detected	90	4.2	ug/L	1	Run #1	r
Chloroform	Not detected	1	0.13	ug/L	1	Run #1	r
Bromochloromethane	Not detected	1	0.17	ug/L	1	Run #1	r
1,1,1-Trichloroethane	1	1	0.21	ug/L	1	Run #1	r
4-Methyl-2-pentanone (MIBK)	Not detected	50	0.35	ug/L	1	Run #1	r
2-Hexanone	Not detected	50	0.61	ug/L	1	Run #1	r
Carbon tetrachloride	Not detected	1	0.17	ug/L	1	Run #1	r
Benzene	Not detected	1	0.14	ug/L	1	Run #1	r
1,2-Dichloroethane	Not detected	1	0.12	ug/L	1	Run #1	r
Trichloroethene	160	10	1.4	ug/L	10	Run #2	Yr
1,2-Dichloropropane	Not detected	1	0.16	ug/L	1	Run #1	r
Bromodichloromethane	Not detected	1	0.29	ug/L	1	Run #1	r
Dibromomethane	Not detected	5	0.16	ug/L	1	Run #1	r
cis-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	Run #1	r
Toluene	Not detected	1	0.13	ug/L	1	Run #1	r
trans-1,3-Dichloropropene	Not detected	1	0.19	ug/L	1	Run #1	r
1,1,2-Trichloroethane	Not detected	1	0.21	ug/L	1	Run #1	r
Tetrachloroethene	Not detected	1	0.19	ug/L	1	Run #1	r
trans-1,4-Dichloro-2-butene	Not detected	1	0.49	ug/L	1	Run #1	r
Dibromochloromethane	Not detected	5	0.22	ug/L	1	Run #1	r
1,2-Dibromoethane	Not detected	1	0.20	ug/L	1	Run #1	r
Chlorobenzene	Not detected	1	0.13	ug/L	1	Run #1	r
1,1,1,2-Tetrachloroethane	Not detected	1	0.17	ug/L	1	Run #1	r
Ethylbenzene	Not detected	1	0.15	ug/L	1	Run #1	r
p,m-Xylene	Not detected	2	0.33	ug/L	1	Run #1	r
o-Xylene	Not detected	1	0.19	ug/L	1	Run #1	r
Styrene	Not detected	1	0.16	ug/L	1	Run #1	r
Isopropylbenzene	Not detected	5	0.17	ug/L	1	Run #1	r
Bromoform	Not detected	1	0.17	ug/L	1	Run #1	r
1,1,2,2-Tetrachloroethane	Not detected	1	0.22	ug/L	1	Run #1	r
1,2,3-Trichloropropane	Not detected	1	0.30	ug/L	1	Run #1	r
n-Propylbenzene	Not detected	1	0.22	ug/L	1	Run #1	r
Bromobenzene	Not detected	1	0.19	ug/L	1	Run #1	r
1,3,5-Trimethylbenzene	Not detected	1	0.22	ug/L	1	Run #1	r
tert-Butylbenzene	Not detected	1	0.23	ug/L	1	Run #1	r
1,2,4-Trimethylbenzene	Not detected	1	0.26	ug/L	1	Run #1	r
sec-Butylbenzene	Not detected	1	0.24	ug/L	1	Run #1	r
p-Isopropyltoluene	Not detected	5	0.24	ug/L	1	Run #1	r
1,3-Dichlorobenzene	Not detected	1	0.18	ug/L	1	Run #1	r
1,4-Dichlorobenzene	Not detected	1	0.16	ug/L	1	Run #1	r
1,2-Dichlorobenzene	Not detected	1	0.13	ug/L	1	Run #1	r

r-This analyte is being reported as the best result from multiple runs

J-Estimated value less than reporting limit, but greater than MDL

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S79206.06 (continued)
Sample Tag: DUP-1-20250923

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run #1: 09/25/25 14:58, #2: 09/26/25 20:56, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	Run #	Flags
1,2,3-Trimethylbenzene	Not detected	1	0.16	ug/L	1	Run #1	r
n-Butylbenzene	Not detected	1	0.49	ug/L	1	Run #1	r
Hexachloroethane	Not detected	5	0.29	ug/L	1	Run #1	r
1,2-Dibromo-3-chloropropane	Not detected	5	0.29	ug/L	1	Run #1	r
1,2,4-Trichlorobenzene	Not detected	5	0.45	ug/L	1	Run #1	r
1,2,3-Trichlorobenzene	Not detected	5	0.42	ug/L	1	Run #1	r
Naphthalene	Not detected	5	0.48	ug/L	1	Run #1	r
2-Methylnaphthalene	Not detected	5	0.87	ug/L	1	Run #1	r

r-This analyte is being reported as the best result from multiple runs

Merit Laboratories Login Checklist

Lab Set ID:S79206

Client:APPLIED (Applied Ecosystems)

Project: 11-4317-102

Submitted:09/24/2025 09:20 Login User: MMC

Attention: Hannah Neumann

Address: Applied Ecosystems
G4300 S. Saginaw Street
Burton, MI 48529

Phone: O:810-715-2525

FAX:

Email: hneumann@appliedecosystems.com

Selection	Description	Note
Sample Receiving		
01.	☒ Yes ☐ No ☐ N/A	Samples are received at 4C +/- 2C Thermometer # IR 5.0
02.	☒ Yes ☐ No ☐ N/A	Received on ice/ cooling process begun
03.	☐ Yes ☒ No ☐ N/A	Samples shipped
04.	☐ Yes ☒ No ☐ N/A	Samples left in 24 hr. drop box
05.	☐ Yes ☐ No ☒ N/A	Are there custody seals/tape or is the drop box locked
Chain of Custody		
06.	☒ Yes ☐ No ☐ N/A	COC adequately filled out
07.	☒ Yes ☐ No ☐ N/A	COC signed and relinquished to the lab
08.	☒ Yes ☐ No ☐ N/A	Sample tag on bottles match COC
09.	☐ Yes ☒ No ☐ N/A	Subcontracting needed? Subcontacted to:
Preservation		
10.	☒ Yes ☐ No ☐ N/A	Do sample have correct chemical preservation
11.	☒ Yes ☐ No ☐ N/A	Completed pH checks on preserved samples? (no VOAs)
12.	☒ Yes ☐ No ☐ N/A	Did any samples need to be preserved in the lab? Diss metals
Bottle Conditions		
13.	☒ Yes ☐ No ☐ N/A	All bottles intact
14.	☒ Yes ☐ No ☐ N/A	Appropriate analytical bottles are used
15.	☒ Yes ☐ No ☐ N/A	Merit bottles used
16.	☒ Yes ☐ No ☐ N/A	Sufficient sample volume received
17.	☒ Yes ☐ No ☐ N/A	Samples require laboratory filtration Diss metals
18.	☒ Yes ☐ No ☐ N/A	Samples submitted within holding time
19.	☐ Yes ☒ No ☐ N/A	Do water VOC, TOX, DO or Alkalinity bottles contain

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories Bottle Preservation Check

Lab Set ID: S79206 Submitted: 09/24/2025 09:20

Client: APPLIED (Applied Ecosystems)

Project: 11-4317-102

Attention: Hannah Neumann
Address: Applied Ecosystems
G4300 S. Saginaw Street
Burton, MI 48529

Initial Preservation Check: 09/24/2025 10:32 MMC

Preservation Recheck (E200.8): N/A

Phone: O:810-715-2525 FAX:
Email: hneumann@appliedecosystems.com

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S79206.01	125mL Plastic HNO3	<2			
S79206.02	125mL Plastic HNO3	<2			
S79206.03	125mL Plastic HNO3	<2			
S79206.04	125mL Plastic HNO3	<2			
S79206.05	125mL Plastic HNO3	<2			
S79206.06	125mL Plastic HNO3	<2			

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Hannah Nelmann			CONTACT NAME			☐ SAME			
COMPANY Applied EIO Systems			COMPANY						
ADDRESS 6 - 41500 South Siginaw Street			ADDRESS						
CITY Durham		STATE NC	ZIP CODE 27529		CITY			STATE	ZIP CODE
PHONE NO. 910-715-2525		CELL NO. 910-503068		P.O. NO. H		PHONE NO.			E-MAIL ADDRESS
E-MAIL ADDRESS hnelmann@appliedeiosystems.com				QUOTE NO.		ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)			

PROJECT NO./NAME 11-4317-102	SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Hanna Newman / Channel 10</i>	# of dissolved total	Certifications
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER _____	DELIVERABLES REQUIRED ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☒ OTHER <i>REPORT TO MDL</i>		☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

MATRIX CODE:	W=WATER SL=SLUDGE	GW=GROUNDWATER DW=DRINKING WATER	WW=WASTEWATER O=OIL	S=SOIL WP=WIPE	L=LIQUID A=AIR	SD=SOLID WS=WASTE	# Containers & Preservatives	Project Locations ☐ Detroit ☐ New York
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[illegible]

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>Samuel Newman</i>	☐ Sampler	DATE	TIME	RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>Doug Holmes</i>	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>HE Fridge</i>		DATE	TIME	RECEIVED BY: SIGNATURE/ORGANIZATION	<i>M. Chilcote</i>	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	TEMP. ON ARRIVAL ☒ ICE (SOLID) ☐ BLUE ICE
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>Doug Holmes</i>		DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	☐ ICE (MELTED) ☐ NONE

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



Quality Control Report

Report ID: QC-S79185-01
Generated on 10/03/2025

Report to

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Report Summary

Lab Sample ID(s): S79185.01-S79185.05
Project: 11-4317-102
Submitted Date/Time: 09/23/2025 14:00
Sampled by: Hannah Neumann
P.O. #: PO

QC Report Sections

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Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S79185.01
Sample Tag: TB-1-20250923
Collected Date/Time: 09/23/2025 09:38
Matrix: Liquid
COC Reference: 188052

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 15:44	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 14:04	250924A11	VF250924W2	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S79185.02

Sample Tag: FB-1-20250923

Collected Date/Time: 09/23/2025 09:52

Matrix: Liquid

COC Reference: 188052

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:00	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Chromium VI	SM3500-Cr B	09/24/25 12:00	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Metals						
Arsenic, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 11:31	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 11:31	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 11:31	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 11:31	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 11:31	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 11:31	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 16:04	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 14:28	250924A11	VF250924W2	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S79185.03

Sample Tag: EB-1-20250923

Collected Date/Time: 09/23/2025 10:33

Matrix: Liquid

COC Reference: 188052

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/23/25 16:15	CHR250923-W1	CHR250923-W1	No	BLK/LCS/MS/DUP
Chromium VI	SM3500-Cr B	09/23/25 15:50	CHR250923-W1	CHR250923-W1	No	BLK/LCS/MS/DUP
Metals						
Arsenic, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 11:35	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 11:35	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 11:35	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 11:35	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 11:35	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 11:35	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 16:24	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 14:52	250924A11	VF250924W2	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S79185.04

Sample Tag: MW-112S-20250923

Collected Date/Time: 09/23/2025 11:41

Matrix: Liquid

COC Reference: 188052

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/23/25 16:20	CHR250923-W1	CHR250923-W1	No	BLK/LCS/MS/DUP
Chromium VI	SM3500-Cr B	09/23/25 16:00	CHR250923-W1	CHR250923-W1	No	BLK/LCS/MS/DUP
Metals						
Arsenic, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 11:39	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 11:39	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 11:39	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 11:39	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 11:39	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 11:39	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/25/25 12:18	AK250925RR	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 15:15	250924A11	VF250924W2	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S79185.05

Sample Tag: MW-110S-20250923

Collected Date/Time: 09/23/2025 12:45

Matrix: Liquid

COC Reference: 188052

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/23/25 16:30	CHR250923-W1	CHR250923-W1	No	BLK/LCS/MS/DUP
Chromium VI	SM3500-Cr B	09/23/25 16:05	CHR250923-W1	CHR250923-W1	No	BLK/LCS/MS/DUP
Metals						
Arsenic, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 11:43	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 11:43	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 11:43	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 11:43	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 11:43	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 11:43	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 17:04	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 15:39	250924A11	VF250924W2	Yes	BLK/LCS/LCSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: CHR250923-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79185.03	Chromium VI, Dissolved	SM3500-Cr B	09/23/25 16:15	CHR250923-W1
S79185.03	Chromium VI	SM3500-Cr B	09/23/25 15:50	CHR250923-W1
S79185.04	Chromium VI, Dissolved	SM3500-Cr B	09/23/25 16:20	CHR250923-W1
S79185.04	Chromium VI	SM3500-Cr B	09/23/25 16:00	CHR250923-W1
S79185.05	Chromium VI, Dissolved	SM3500-Cr B	09/23/25 16:30	CHR250923-W1
S79185.05	Chromium VI	SM3500-Cr B	09/23/25 16:05	CHR250923-W1

Inorganics, Prep Batch ID: CHR250924-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79185.02	Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:00	CHR250924-W1
S79185.02	Chromium VI	SM3500-Cr B	09/24/25 12:00	CHR250924-W1

Metals, Prep Batch ID: MTD-092925-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79185.02	Arsenic, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A
S79185.02	Arsenic	E200.8	09/29/25 11:31	MT4-25-0929A
S79185.02	Chromium, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A
S79185.02	Chromium	E200.8	09/29/25 11:31	MT4-25-0929A
S79185.02	Copper, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A
S79185.02	Copper	E200.8	09/29/25 11:31	MT4-25-0929A
S79185.02	Lead, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A
S79185.02	Lead	E200.8	09/29/25 11:31	MT4-25-0929A
S79185.02	Selenium, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A
S79185.02	Selenium	E200.8	09/29/25 11:31	MT4-25-0929A
S79185.02	Zinc, Dissolved	E200.8	09/29/25 11:32	MT4-25-0929A
S79185.02	Zinc	E200.8	09/29/25 11:31	MT4-25-0929A
S79185.03	Arsenic, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A
S79185.03	Arsenic	E200.8	09/29/25 11:35	MT4-25-0929A
S79185.03	Chromium, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A
S79185.03	Chromium	E200.8	09/29/25 11:35	MT4-25-0929A
S79185.03	Copper, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A
S79185.03	Copper	E200.8	09/29/25 11:35	MT4-25-0929A
S79185.03	Lead, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A
S79185.03	Lead	E200.8	09/29/25 11:35	MT4-25-0929A
S79185.03	Selenium, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A
S79185.03	Selenium	E200.8	09/29/25 11:35	MT4-25-0929A
S79185.03	Zinc, Dissolved	E200.8	09/29/25 11:36	MT4-25-0929A
S79185.03	Zinc	E200.8	09/29/25 11:35	MT4-25-0929A
S79185.04	Arsenic, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A
S79185.04	Arsenic	E200.8	09/29/25 11:39	MT4-25-0929A
S79185.04	Chromium, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A
S79185.04	Chromium	E200.8	09/29/25 11:39	MT4-25-0929A
S79185.04	Copper, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A
S79185.04	Copper	E200.8	09/29/25 11:39	MT4-25-0929A
S79185.04	Lead, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A
S79185.04	Lead	E200.8	09/29/25 11:39	MT4-25-0929A
S79185.04	Selenium, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A
S79185.04	Selenium	E200.8	09/29/25 11:39	MT4-25-0929A

QC Report - Prep Batch Summary

Metals, Prep Batch ID: MTD-092925-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79185.04	Zinc, Dissolved	E200.8	09/29/25 11:42	MT4-25-0929A
S79185.04	Zinc	E200.8	09/29/25 11:39	MT4-25-0929A
S79185.05	Arsenic, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A
S79185.05	Arsenic	E200.8	09/29/25 11:43	MT4-25-0929A
S79185.05	Chromium, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A
S79185.05	Chromium	E200.8	09/29/25 11:43	MT4-25-0929A
S79185.05	Copper, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A
S79185.05	Copper	E200.8	09/29/25 11:43	MT4-25-0929A
S79185.05	Lead, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A
S79185.05	Lead	E200.8	09/29/25 11:43	MT4-25-0929A
S79185.05	Selenium, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A
S79185.05	Selenium	E200.8	09/29/25 11:43	MT4-25-0929A
S79185.05	Zinc, Dissolved	E200.8	09/29/25 11:45	MT4-25-0929A
S79185.05	Zinc	E200.8	09/29/25 11:43	MT4-25-0929A

Organics - Volatiles, Prep Batch ID: PF250924W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79185.01	28 PFAs	ASTMD7979-19M	09/24/25 15:44	AK250924W1
S79185.02	28 PFAs	ASTMD7979-19M	09/24/25 16:04	AK250924W1
S79185.03	28 PFAs	ASTMD7979-19M	09/24/25 16:24	AK250924W1
S79185.04	28 PFAs	ASTMD7979-19M	09/25/25 12:18	AK250925RR
S79185.05	28 PFAs	ASTMD7979-19M	09/24/25 17:04	AK250924W1

Organics - Volatiles, Prep Batch ID: VF250924W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79185.01	Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 14:04	250924A11
S79185.02	Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 14:28	250924A11
S79185.03	Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 14:52	250924A11
S79185.04	Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 15:15	250924A11
S79185.05	Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 15:39	250924A11

Lab Sample ID: S79185.01
Sample Tag: TB-1-20250923
Collected Date/Time: 09/23/2025 09:38
Matrix: Liquid
COC Reference: 188052

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 250924A11, Run Date: 09/24/2025 14:04, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		101.9	80.0	124.0
1,2-Dichloroethane-D4		107.3	72.0	125.0
Toluene-D8		98.7	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S79185.02

Sample Tag: FB-1-20250923

Collected Date/Time: 09/23/2025 09:52

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 14:28, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		101.1	80.0	124.0
1,2-Dichloroethane-D4		104.7	72.0	125.0
Toluene-D8		99.6	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S79185.03

Sample Tag: EB-1-20250923

Collected Date/Time: 09/23/2025 10:33

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 14:52, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		101.9	80.0	124.0
1,2-Dichloroethane-D4		108.4	72.0	125.0
Toluene-D8		98.9	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S79185.04

Sample Tag: MW-112S-20250923

Collected Date/Time: 09/23/2025 11:41

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 15:15, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		101.4	80.0	124.0
1,2-Dichloroethane-D4		101.5	72.0	125.0
Toluene-D8		98.4	89.0	112.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S79185.05

Sample Tag: MW-110S-20250923

Collected Date/Time: 09/23/2025 12:45

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 15:39, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		101.1	80.0	124.0
1,2-Dichloroethane-D4		102.6	72.0	125.0
Toluene-D8		99.7	89.0	112.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: PF250924W1

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250924W1.BLK250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Laboratory Control Sample (LCS)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Matrix Spike (MS)

Lab Sample ID: AK250924W1.7920602M, Parent Sample ID: S79206.01

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.03

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF250924W2

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250924A11.BLKW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 13:41, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		100.1	80.0	124.0
1,2-Dichloroethane-D4		103.5	72.0	125.0
Toluene-D8		100.1	89.0	112.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		103.2	80.0	124.0
1,2-Dichloroethane-D4		100.2	72.0	125.0
Toluene-D8		100.1	89.0	112.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250924A11.LCSDW24A, Parent Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		102.0	80.0	124.0
1,2-Dichloroethane-D4		100.1	72.0	125.0
Toluene-D8		100.4	89.0	112.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79185.01

Sample Tag: TB-1-20250923

Collected Date/Time: 09/23/2025 09:38

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 15:44, Matrix: WW, Dilution: 2.06

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		108.0	50.0	150.0
M2-6:2FTSA		112.2	50.0	150.0
M2-8:2FTSA		126.1	50.0	150.0
M2PFTeDA		97.8	12.0	218.0
M3PFBS		111.4	50.0	150.0
M3PFHxS		116.1	50.0	150.0
M4PFHpA		119.9	50.0	150.0
M5PFHxA		108.8	50.0	150.0
M5PFPeA		112.0	50.0	150.0
M6PFDA		115.7	50.0	150.0
M7PFUnDA		111.8	50.0	150.0
M8FOSA		113.0	50.0	150.0
M8PFOA		114.2	50.0	150.0
M8PFOS		105.8	50.0	150.0
M9-PFNA		109.2	50.0	150.0
MPFBA		115.9	50.0	150.0
MPFDoDA		100.3	50.0	150.0
d3N-MeFOSAA		115.0	50.0	150.0
d5EtFOSAA		124.2	50.0	150.0
MHFPO-DA		112.0	50.0	150.0
d-N-EtFOSA-M		111.1	50.0	150.0
d-N-MeFOSA-M		111.7	50.0	150.0
d7-N-MeFOSE-M		109.8	50.0	150.0
d9-N-EtFOSE-M		107.1	50.0	150.0

QC Report - Internal Standards per Lab Sample

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 14:04, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		99.8	50.0	200.0
1,4-Difluorobenzene		101.0	50.0	200.0
Chlorobenzene-D5		102.2	50.0	200.0
1,4-Dichlorobenzene-D4		102.0	50.0	200.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79185.02

Sample Tag: FB-1-20250923

Collected Date/Time: 09/23/2025 09:52

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 16:04, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		100.3	50.0	150.0
M2-6:2FTSA		102.9	50.0	150.0
M2-8:2FTSA		122.3	50.0	150.0
M2PFTeDA		78.5	12.0	218.0
M3PFBS		101.4	50.0	150.0
M3PFHxS		109.9	50.0	150.0
M4PFHpA		121.8	50.0	150.0
M5PFHxA		99.8	50.0	150.0
M5PFPeA		104.9	50.0	150.0
M6PFDA		106.6	50.0	150.0
M7PFUnDA		94.7	50.0	150.0
M8FOSA		101.3	50.0	150.0
M8PFOA		96.7	50.0	150.0
M8PFOS		88.9	50.0	150.0
M9-PFNA		105.4	50.0	150.0
MPFBA		106.9	50.0	150.0
MPFDoDA		94.2	50.0	150.0
d3N-MeFOSAA		108.1	50.0	150.0
d5EtFOSAA		105.4	50.0	150.0
MHFPO-DA		103.3	50.0	150.0
d-N-EtFOSA-M		96.5	50.0	150.0
d-N-MeFOSA-M		106.3	50.0	150.0
d7-N-MeFOSE-M		97.0	50.0	150.0
d9-N-EtFOSE-M		94.3	50.0	150.0

QC Report - Internal Standards per Lab Sample

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 14:28, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		98.9	50.0	200.0
1,4-Difluorobenzene		99.3	50.0	200.0
Chlorobenzene-D5		100.1	50.0	200.0
1,4-Dichlorobenzene-D4		101.7	50.0	200.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79185.03

Sample Tag: EB-1-20250923

Collected Date/Time: 09/23/2025 10:33

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 16:24, Matrix: WW, Dilution: 2.07

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		96.0	50.0	150.0
M2-6:2FTSA		98.7	50.0	150.0
M2-8:2FTSA		109.3	50.0	150.0
M2PFTeDA		79.6	12.0	218.0
M3PFBS		107.7	50.0	150.0
M3PFHxS		114.9	50.0	150.0
M4PFHpA		106.4	50.0	150.0
M5PFHxA		105.3	50.0	150.0
M5PFPeA		103.9	50.0	150.0
M6PFDA		105.6	50.0	150.0
M7PFUnDA		100.3	50.0	150.0
M8FOSA		102.5	50.0	150.0
M8PFOA		97.5	50.0	150.0
M8PFOS		88.8	50.0	150.0
M9-PFNA		98.7	50.0	150.0
MPFBA		107.1	50.0	150.0
MPFDoDA		96.1	50.0	150.0
d3N-MeFOSAA		110.1	50.0	150.0
d5EtFOSAA		113.2	50.0	150.0
MHFPO-DA		105.9	50.0	150.0
d-N-EtFOSA-M		90.4	50.0	150.0
d-N-MeFOSA-M		101.5	50.0	150.0
d7-N-MeFOSE-M		95.8	50.0	150.0
d9-N-EtFOSE-M		102.6	50.0	150.0

QC Report - Internal Standards per Lab Sample

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 14:52, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		98.1	50.0	200.0
1,4-Difluorobenzene		98.0	50.0	200.0
Chlorobenzene-D5		98.7	50.0	200.0
1,4-Dichlorobenzene-D4		99.1	50.0	200.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79185.04

Sample Tag: MW-112S-20250923

Collected Date/Time: 09/23/2025 11:41

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250925RR, Run Date: 09/25/2025 12:18, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA	*	164.7	50.0	150.0
M2-6:2FTSA		148.9	50.0	150.0
M2-8:2FTSA		135.3	50.0	150.0
M2PFTeDA		139.5	12.0	218.0
M3PFBS		110.7	50.0	150.0
M3PFHxS		105.1	50.0	150.0
M4PFHpA		110.5	50.0	150.0
M5PFHxA		99.8	50.0	150.0
M5PFPeA		103.7	50.0	150.0
M6PFDA		119.3	50.0	150.0
M7PFUnDA		107.1	50.0	150.0
M8FOSA		108.1	50.0	150.0
M8PFOA		99.3	50.0	150.0
M8PFOS		99.1	50.0	150.0
M9-PFNA		98.4	50.0	150.0
MPFBA		113.6	50.0	150.0
MPFDoDA		102.3	50.0	150.0
d3N-MeFOSAA		123.3	50.0	150.0
d5EtFOSAA		118.7	50.0	150.0
MHFPO-DA		110.8	50.0	150.0
d-N-EtFOSA-M		107.5	50.0	150.0
d-N-MeFOSA-M		109.5	50.0	150.0
d7-N-MeFOSE-M		118.9	50.0	150.0
d9-N-EtFOSE-M		112.5	50.0	150.0

QC Report - Internal Standards per Lab Sample

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 15:15, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		91.6	50.0	200.0
1,4-Difluorobenzene		91.5	50.0	200.0
Chlorobenzene-D5		92.3	50.0	200.0
1,4-Dichlorobenzene-D4		92.3	50.0	200.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79185.05

Sample Tag: MW-110S-20250923

Collected Date/Time: 09/23/2025 12:45

Matrix: Liquid

COC Reference: 188052

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 17:04, Matrix: WW, Dilution: 2

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		93.9	50.0	150.0
M2-6:2FTSA		90.6	50.0	150.0
M2-8:2FTSA		123.8	50.0	150.0
M2PFTeDA		99.1	12.0	218.0
M3PFBS		112.3	50.0	150.0
M3PFHxS		112.7	50.0	150.0
M4PFHpA		121.6	50.0	150.0
M5PFHxA		105.6	50.0	150.0
M5PFPeA		111.0	50.0	150.0
M6PFDA		113.8	50.0	150.0
M7PFUnDA		109.2	50.0	150.0
M8FOSA		107.4	50.0	150.0
M8PFOA		105.9	50.0	150.0
M8PFOS		100.6	50.0	150.0
M9-PFNA		110.8	50.0	150.0
MPFBA		112.7	50.0	150.0
MPFDoDA		107.6	50.0	150.0
d3N-MeFOSAA		101.7	50.0	150.0
d5EtFOSAA		107.9	50.0	150.0
MHFPO-DA		123.0	50.0	150.0
d-N-EtFOSA-M		101.3	50.0	150.0
d-N-MeFOSA-M		110.7	50.0	150.0
d7-N-MeFOSE-M		109.4	50.0	150.0
d9-N-EtFOSE-M		102.2	50.0	150.0

QC Report - Internal Standards per Lab Sample

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924A11, Run Date: 09/24/2025 15:39, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		95.9	50.0	200.0
1,4-Difluorobenzene		96.3	50.0	200.0
Chlorobenzene-D5		96.2	50.0	200.0
1,4-Dichlorobenzene-D4		93.8	50.0	200.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF250924W1

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250924W1.BLK250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		98.1	50.0	150.0
M2-6:2FTSA		95.4	50.0	150.0
M2-8:2FTSA		100.9	50.0	150.0
M2PFTeDA		86.1	12.0	218.0
M3PFBS		101.6	50.0	150.0
M3PFHxS		100.2	50.0	150.0
M4PFHpA		120.4	50.0	150.0
M5PFHxA		100.2	50.0	150.0
M5PFPeA		100.4	50.0	150.0
M6PFDA		106.8	50.0	150.0
M7PFUnDA		94.7	50.0	150.0
M8FOSA		100.6	50.0	150.0
M8PFOA		107.6	50.0	150.0
M8PFOS		100.8	50.0	150.0
M9-PFNA		106.8	50.0	150.0
MPFBA		103.4	50.0	150.0
MPFDoDA		96.8	50.0	150.0
d3N-MeFOSAA		102.9	50.0	150.0
d5EtFOSAA		102.3	50.0	150.0
MHFPO-DA		96.7	50.0	150.0
d-N-EtFOSA-M		91.7	50.0	150.0
d-N-MeFOSA-M		99.1	50.0	150.0
d7-N-MeFOSE-M		100.9	50.0	150.0
d9-N-EtFOSE-M		89.1	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		92.6	50.0	150.0
M2-6:2FTSA		102.6	50.0	150.0
M2-8:2FTSA		126.4	50.0	150.0
M2PFTeDA		79.3	12.0	218.0
M3PFBS		101.8	50.0	150.0
M3PFHxS		111.2	50.0	150.0
M4PFHpA		115.9	50.0	150.0
M5PFHxA		105.7	50.0	150.0
M5PFPeA		101.1	50.0	150.0
M6PFDA		95.7	50.0	150.0
M7PFUnDA		101.5	50.0	150.0
M8FOSA		100.8	50.0	150.0
M8PFOA		91.0	50.0	150.0
M8PFOS		93.0	50.0	150.0
M9-PFNA		96.5	50.0	150.0
MPFBA		104.4	50.0	150.0
MPFDoDA		105.7	50.0	150.0
d3N-MeFOSAA		101.3	50.0	150.0
d5EtFOSAA		95.1	50.0	150.0
MHFPO-DA		95.2	50.0	150.0
d-N-EtFOSA-M		97.7	50.0	150.0
d-N-MeFOSA-M		98.4	50.0	150.0
d7-N-MeFOSE-M		96.1	50.0	150.0
d9-N-EtFOSE-M		96.1	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		93.5	50.0	150.0
M2-6:2FTSA		94.9	50.0	150.0
M2-8:2FTSA		105.8	50.0	150.0
M2PFTeDA		70.5	12.0	218.0
M3PFBS		97.7	50.0	150.0
M3PFHxS		104.2	50.0	150.0
M4PFHpA		106.9	50.0	150.0
M5PFHxA		92.1	50.0	150.0
M5PFPeA		97.0	50.0	150.0
M6PFDA		96.2	50.0	150.0
M7PFUnDA		82.2	50.0	150.0
M8FOSA		96.1	50.0	150.0
M8PFOA		96.7	50.0	150.0
M8PFOS		95.6	50.0	150.0
M9-PFNA		104.2	50.0	150.0
MPFBA		98.9	50.0	150.0
MPFDoDA		90.2	50.0	150.0
d3N-MeFOSAA		102.5	50.0	150.0
d5EtFOSAA		104.3	50.0	150.0
MHFPO-DA		108.5	50.0	150.0
d-N-EtFOSA-M		95.4	50.0	150.0
d-N-MeFOSA-M		98.1	50.0	150.0
d7-N-MeFOSE-M		95.6	50.0	150.0
d9-N-EtFOSE-M		94.4	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike (MS)

Lab Sample ID: AK250924W1.7920602M, Parent Sample ID: S79206.01

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA	*	176.5	50.0	150.0
M2-6:2FTSA		143.9	50.0	150.0
M2-8:2FTSA		145.3	50.0	150.0
M2PFTeDA		105.4	12.0	218.0
M3PFBS		103.4	50.0	150.0
M3PFHxS		119.9	50.0	150.0
M4PFHpA		124.6	50.0	150.0
M5PFHxA		102.2	50.0	150.0
M5PFPeA		111.7	50.0	150.0
M6PFDA		116.6	50.0	150.0
M7PFUnDA		109.8	50.0	150.0
M8FOSA		107.0	50.0	150.0
M8PFOA		125.7	50.0	150.0
M8PFOS		108.8	50.0	150.0
M9-PFNA		115.0	50.0	150.0
MPFBA		117.4	50.0	150.0
MPFDoDA		107.5	50.0	150.0
d3N-MeFOSAA		137.0	50.0	150.0
d5EtFOSAA		118.4	50.0	150.0
MHFPO-DA		103.7	50.0	150.0
d-N-EtFOSA-M		96.5	50.0	150.0
d-N-MeFOSA-M		106.7	50.0	150.0
d7-N-MeFOSE-M		97.3	50.0	150.0
d9-N-EtFOSE-M		99.6	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA	*	170.9	50.0	150.0
M2-6:2FTSA	*	154.2	50.0	150.0
M2-8:2FTSA		130.7	50.0	150.0
M2PFTeDA		104.0	12.0	218.0
M3PFBS		109.5	50.0	150.0
M3PFHxS		123.8	50.0	150.0
M4PFHpA		123.0	50.0	150.0
M5PFHxA		117.1	50.0	150.0
M5PFPeA		113.9	50.0	150.0
M6PFDA		122.1	50.0	150.0
M7PFUnDA		118.9	50.0	150.0
M8FOSA		104.3	50.0	150.0
M8PFOA		116.6	50.0	150.0
M8PFOS		99.2	50.0	150.0
M9-PFNA		117.3	50.0	150.0
MPFBA		118.8	50.0	150.0
MPFDoDA		104.9	50.0	150.0
d3N-MeFOSAA		133.2	50.0	150.0
d5EtFOSAA		126.8	50.0	150.0
MHFPO-DA		103.5	50.0	150.0
d-N-EtFOSA-M		104.0	50.0	150.0
d-N-MeFOSA-M		114.4	50.0	150.0
d7-N-MeFOSE-M		101.8	50.0	150.0
d9-N-EtFOSE-M		105.1	50.0	150.0

Organics - Volatiles, Prep Batch ID: VF250924W2

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250924A11.BLKW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 13:41, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		99.6	50.0	200.0
1,4-Difluorobenzene		100.0	50.0	200.0
Chlorobenzene-D5		101.2	50.0	200.0
1,4-Dichlorobenzene-D4		100.0	50.0	200.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		99.0	50.0	200.0
1,4-Difluorobenzene		98.1	50.0	200.0
Chlorobenzene-D5		98.9	50.0	200.0
1,4-Dichlorobenzene-D4		100.4	50.0	200.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250924A11.LCSDW24A, Parent Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		98.1	50.0	200.0
1,4-Difluorobenzene		98.7	50.0	200.0
Chlorobenzene-D5		100.8	50.0	200.0
1,4-Dichlorobenzene-D4		100.0	50.0	200.0

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CHR250923-W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Blank (BLK)

Lab Sample ID: CHR250923-W1.LRB1

Run in Batch: CHR250923-W1, Run Date: 09/23/2025 15:30, Prep Date: 09/23/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Chromium VI		ND	0.01	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: CHR250923-W1.LCS1

Run in Batch: CHR250923-W1, Run Date: 09/23/2025 15:45, Prep Date: 09/23/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI		103	90	110

Matrix Spike (MS)

Lab Sample ID: CHR250923-W1.MS1, Parent Sample ID: S79185.05

Run in Batch: CHR250923-W1, Run Date: 09/23/2025 16:10, Prep Date: 09/23/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI	*	3	80	120

Matrix Spike (MS)

Lab Sample ID: CHR250923-W1.MS2, Parent Sample ID: S79188.04

Run in Batch: CHR250923-W1, Run Date: 09/23/2025 16:25, Prep Date: 09/23/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI		109	80	120

Duplicate (DUP)

Lab Sample ID: CHR250923-W1.DP1, Parent Sample ID: S79185.03

Run in Batch: CHR250923-W1, Run Date: 09/23/2025 15:55, Prep Date: 09/23/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Chromium VI		<1	15

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CHR250924-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Blank (BLK)

Lab Sample ID: CHR250924-W1.LRB1

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:00, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Chromium VI		ND	0.01	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: CHR250924-W1.LCS1

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:15, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI		105	90	110

Matrix Spike (MS)

Lab Sample ID: CHR250924-W1.MS1, Parent Sample ID: S79206.01

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:35, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI	*	76	80	120

Matrix Spike (MS)

Lab Sample ID: CHR250924-W1.MS2, Parent Sample ID: S78206.01

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 13:10, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI	*	21	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CHR250924-W1.MSD1, Parent Sample ID: CHR250924-W1.MS1

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:40, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Chromium VI	*	74	80	120	3	15

Matrix Spike Duplicate (MSD)

Lab Sample ID: CHR250924-W1.MSD2, Parent Sample ID: CHR250924-W1.MS2

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 13:15, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Chromium VI	*	4	80	120	102	15

Duplicate (DUP)

Lab Sample ID: CHR250924-W1.DP1, Parent Sample ID: S79185.02

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:25, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Chromium VI		,1	15

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-092925-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Blank (BLK)

Lab Sample ID: MT4-25-0929A.019.LRB

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:28, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.001	mg/L
Lead		ND	0.0006	mg/L
Selenium		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0929A.018.LCS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:25, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		102	85	115
Chromium		105	85	115
Copper		104	85	115
Lead		104	85	115
Selenium		97	85	115
Zinc		101	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-25-0929A.031.MS, Parent Sample ID: S79185.05

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:50, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		108	75	125
Chromium		112	75	125
Copper		100	75	125
Lead		96	75	125
Selenium		103	75	125
Zinc		100	75	125

Matrix Spike (MS)

Lab Sample ID: MT4-25-0929A.045.MS, Parent Sample ID: S79206.06

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 12:21, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		104	75	125
Chromium		113	75	125
Copper		102	75	125
Lead		96	75	125
Selenium		103	75	125
Zinc		100	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0929A.032.MSD, Parent Sample ID: MT4-25-0929A.031.MS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:51, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		107	75	125	1	20
Chromium		114	75	125	2	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-092925-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: MT4-25-0929A.032.MSD, Parent Sample ID: MT4-25-0929A.031.MS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:51, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Copper		101	75	125	1	20
Lead		96	75	125	0	20
Selenium		100	75	125	3	20
Zinc		99	75	125	1	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0929A.046.MSD, Parent Sample ID: MT4-25-0929A.045.MS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 12:22, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		108	75	125	4	20
Chromium		116	75	125	2	20
Copper		105	75	125	3	20
Lead		99	75	125	3	20
Selenium		102	75	125	1	20
Zinc		101	75	125	1	20

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250924W1.BLK250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFBA		ND	10	ng/l
PFPeA		ND	4	ng/l
4:2 FTSA		ND	2	ng/l
PFHxA		ND	2	ng/l
PFBS		ND	2	ng/l
PFFHpA		ND	2	ng/l
PFPeS		ND	2	ng/l
6:2 FTSA		ND	2	ng/l
PFOA		ND	2	ng/l
PFHxS		ND	2	ng/l
PFHxS-LN		ND	2	ng/l
PFHxS-BR		ND	2	ng/l
PFNA		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFFHpS		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS		ND	2	ng/l
PFOS-LN		ND	2	ng/l
PFOS-BR		ND	2	ng/l
PFOUnDA		ND	2	ng/l
PFNS		ND	2	ng/l
PFDODA		ND	2	ng/l
PFDS		ND	2	ng/l
PFTTrDA		ND	2	ng/l
FOSA		ND	2	ng/l
PFTeDA		ND	4	ng/l
11Cl-PF3OUdS		ND	2	ng/l
9Cl-PF3ONS		ND	2	ng/l
ADONA		ND	2	ng/l
HFPO-DA		ND	10	ng/l

Laboratory Control Sample (LCS)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		88.0	70.0	130.0
PFPeA		95.8	70.0	130.0
4:2 FTSA		97.4	70.0	130.0
PFHxA		81.8	70.0	130.0
PFBS		99.2	70.0	130.0
PFFHpA		100.8	70.0	130.0
PFPeS		94.6	70.0	130.0
6:2 FTSA		112.4	70.0	130.0
PFOA		86.2	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFHxS		102.0	70.0	130.0
PFNA		108.2	70.0	130.0
8:2 FTSA		72.0	70.0	130.0
PFHpS		87.4	70.0	130.0
PFDA		97.8	70.0	130.0
N-MeFOSAA		98.8	70.0	130.0
EtFOSAA		103.8	70.0	130.0
PFOS		97.6	70.0	130.0
PFUnDA		81.2	70.0	130.0
PFNS		84.4	70.0	130.0
PFDODA		80.6	70.0	130.0
PFDS		107.2	70.0	130.0
PFTTrDA		84.8	70.0	130.0
FOSA		96.2	70.0	130.0
PFTeDA		91.8	70.0	130.0
11Cl-PF3OUdS		113.8	70.0	130.0
9Cl-PF3ONS		87.4	70.0	130.0
ADONA		102.4	70.0	130.0
HFPO-DA		90.8	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		95.8	70.0	130.0	8.5	30.0
PFPeA		101.6	70.0	130.0	5.9	30.0
4:2 FTSA		102.8	70.0	130.0	5.4	30.0
PFHxA		104.8	70.0	130.0	24.7	30.0
PFBS		105.8	70.0	130.0	6.4	30.0
PFHpA		114.2	70.0	130.0	12.5	30.0
PFPeS		93.8	70.0	130.0	0.8	30.0
6:2 FTSA		107.8	70.0	130.0	4.2	30.0
PFOA		82.0	70.0	130.0	5.0	30.0
PFHxS		100.0	70.0	130.0	2.0	30.0
PFNA		100.8	70.0	130.0	7.1	30.0
8:2 FTSA	*	100.4	70.0	130.0	32.9	30.0
PFHpS		90.2	70.0	130.0	3.2	30.0
PFDA		94.6	70.0	130.0	3.3	30.0
N-MeFOSAA		98.0	70.0	130.0	0.8	30.0
EtFOSAA		85.4	70.0	130.0	19.5	30.0
PFOS		86.6	70.0	130.0	11.9	30.0
PFUnDA	*	112.6	70.0	130.0	32.4	30.0
PFNS		90.4	70.0	130.0	6.9	30.0
PFDODA		106.4	70.0	130.0	27.6	30.0
PFDS		97.4	70.0	130.0	9.6	30.0
PFTTrDA		97.6	70.0	130.0	14.0	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
FOSA		97.2	70.0	130.0	1.0	30.0
PFTeDA		95.6	70.0	130.0	4.1	30.0
11Cl-PF3OUdS		104.0	70.0	130.0	9.0	30.0
9Cl-PF3ONS		90.6	70.0	130.0	3.6	30.0
ADONA		97.2	70.0	130.0	5.2	30.0
HFPO-DA		87.0	70.0	130.0	4.3	30.0

Matrix Spike (MS)

Lab Sample ID: AK250924W1.7920602M, Parent Sample ID: S79206.01

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.03

Analyte	Flags	% Rec	LCL	UCL
PFBA		117.6	70.0	130.0
PFPeA		96.1	70.0	130.0
4:2 FTSA		107.8	70.0	130.0
PFHxA		107.8	70.0	130.0
PFBS		107.2	70.0	130.0
PFHpA		107.8	70.0	130.0
PFPeS		107.8	70.0	130.0
6:2 FTSA		98.0	70.0	130.0
PFOA		71.1	70.0	130.0
PFHxS		94.5	70.0	130.0
PFNA		98.0	70.0	130.0
8:2 FTSA		88.2	70.0	130.0
PFHpS		88.1	70.0	130.0
PFDA		98.0	70.0	130.0
N-MeFOSAA		90.2	70.0	130.0
EtFOSAA		93.5	70.0	130.0
PFOS		82.4	70.0	130.0
PFUnDA		98.0	70.0	130.0
PFNS		75.5	70.0	130.0
PFDODA		93.1	70.0	130.0
PFDS		96.1	70.0	130.0
PFTrDA		95.1	70.0	130.0
FOSA		98.0	70.0	130.0
PFTeDA		98.0	70.0	130.0
11Cl-PF3OUdS		97.1	70.0	130.0
9Cl-PF3ONS		82.4	70.0	130.0
ADONA		72.5	70.0	130.0
HFPO-DA		87.3	70.0	130.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		92.4	70.0	130.0	21.2	30.0
PFPeA		95.2	70.0	130.0	2.0	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
4:2 FTSA		114.3	70.0	130.0	8.7	30.0
PFHxA		92.4	70.0	130.0	12.6	30.0
PFBS		104.1	70.0	130.0	0.0	30.0
PFHpA		104.8	70.0	130.0	0.0	30.0
PFPeS		89.5	70.0	130.0	15.7	30.0
6:2 FTSA		95.2	70.0	130.0	0.0	30.0
PFOA		75.7	70.0	130.0	9.0	30.0
PFHxS		89.0	70.0	130.0	3.1	30.0
PFNA		90.5	70.0	130.0	5.1	30.0
8:2 FTSA		93.3	70.0	130.0	8.5	30.0
PFHpS		86.6	70.0	130.0	1.1	30.0
PFDA		90.5	70.0	130.0	5.1	30.0
N-MeFOSAA		92.4	70.0	130.0	5.3	30.0
EtFOSAA		91.8	70.0	130.0	1.0	30.0
PFOS		99.0	70.0	130.0	13.3	30.0
PFUnDA		81.0	70.0	130.0	16.2	30.0
PFNS		90.5	70.0	130.0	20.9	30.0
PFDoDA		91.4	70.0	130.0	1.0	30.0
PFDS		104.8	70.0	130.0	11.5	30.0
PFTTrDA		95.2	70.0	130.0	3.0	30.0
FOSA		94.3	70.0	130.0	1.0	30.0
PFTeDA		91.4	70.0	130.0	4.1	30.0
11Cl-PF3OUdS		123.8	70.0	130.0	27.1	30.0
9Cl-PF3ONS		93.3	70.0	130.0	15.4	30.0
ADONA		89.5	70.0	130.0	23.8	30.0
HFPO-DA		92.4	70.0	130.0	8.6	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250924A11.BLKW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 13:41, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Diethyl ether		ND	1.00	ug/l
Acetone		ND	10.00	ug/l
Methyl iodide		ND	1.00	ug/l
Carbon disulfide		ND	1.00	ug/l
tert-Methyl butyl ether (MTBE)		ND	1.00	ug/l
Acrylonitrile		ND	1.00	ug/l
2-Butanone (MEK)		ND	10.00	ug/l
Dichlorodifluoromethane		ND	1.00	ug/l
Chloromethane		ND	1.00	ug/l
Vinyl chloride		ND	1.00	ug/l
Bromomethane		ND	1.00	ug/l
Chloroethane		ND	1.00	ug/l
Trichlorofluoromethane		ND	1.00	ug/l
1,1-Dichloroethene		ND	1.00	ug/l
Methylene chloride		ND	1.00	ug/l
trans-1,2-Dichloroethene		ND	1.00	ug/l
1,1-Dichloroethane		ND	1.00	ug/l
cis-1,2-Dichloroethene		ND	1.00	ug/l
Tetrahydrofuran		ND	10.00	ug/l
Chloroform		ND	1.00	ug/l
Bromochloromethane		ND	1.00	ug/l
1,1,1-Trichloroethane		ND	1.00	ug/l
4-Methyl-2-pentanone (MIBK)		ND	10.00	ug/l
2-Hexanone		ND	10.00	ug/l
Carbon tetrachloride		ND	1.00	ug/l
Benzene		ND	1.00	ug/l
1,2-Dichloroethane		ND	1.00	ug/l
Trichloroethene		ND	1.00	ug/l
1,2-Dichloropropane		ND	1.00	ug/l
Bromodichloromethane		ND	1.00	ug/l
Dibromomethane		ND	1.00	ug/l
cis-1,3-Dichloropropene		ND	1.00	ug/l
Toluene		ND	1.00	ug/l
trans-1,3-Dichloropropene		ND	1.00	ug/l
1,1,2-Trichloroethane		ND	1.00	ug/l
Tetrachloroethene		ND	1.00	ug/l
trans-1,4-Dichloro-2-butene		ND	1.00	ug/l
Dibromochloromethane		ND	1.00	ug/l
1,2-Dibromoethane		ND	1.00	ug/l
Chlorobenzene		ND	1.00	ug/l
1,1,1,2-Tetrachloroethane		ND	1.00	ug/l
Ethylbenzene		ND	1.00	ug/l
p,m-Xylene		ND	2.00	ug/l
o-Xylene		ND	1.00	ug/l
Styrene		ND	1.00	ug/l
Isopropylbenzene		ND	1.00	ug/l

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK) (continued)

Lab Sample ID: 250924A11.BLKW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 13:41, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Bromoform		ND	1.00	ug/l
1,1,2,2-Tetrachloroethane		ND	1.00	ug/l
1,2,3-Trichloropropane		ND	1.00	ug/l
n-Propylbenzene		ND	1.00	ug/l
Bromobenzene		ND	1.00	ug/l
1,3,5-Trimethylbenzene		ND	1.00	ug/l
tert-Butylbenzene		ND	1.00	ug/l
1,2,4-Trimethylbenzene		ND	1.00	ug/l
sec-Butylbenzene		ND	1.00	ug/l
p-Isopropyltoluene		ND	1.00	ug/l
1,3-Dichlorobenzene		ND	1.00	ug/l
1,4-Dichlorobenzene		ND	1.00	ug/l
1,2-Dichlorobenzene		ND	1.00	ug/l
1,2,3-Trimethylbenzene		ND	1.00	ug/l
n-Butylbenzene		ND	1.00	ug/l
Hexachloroethane		ND	1.00	ug/l
1,2-Dibromo-3-chloropropane		ND	1.00	ug/l
1,2,4-Trichlorobenzene		ND	1.00	ug/l
1,2,3-Trichlorobenzene		ND	1.00	ug/l
Naphthalene		ND	1.00	ug/l
2-Methylnaphthalene		ND	1.00	ug/l

Laboratory Control Sample (LCS)

Lab Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		103.8	67.4	121.2
Acetone		85.5	29.9	161.5
Methyl iodide		99.8	68.8	116.4
Carbon disulfide		105.4	63.8	137.4
tert-Methyl butyl ether (MTBE)		102.8	73.2	122.4
Acrylonitrile		95.9	69.9	128.9
2-Butanone (MEK)		84.2	44.0	134.4
Dichlorodifluoromethane		112.6	10.0	222.8
Chloromethane		93.8	23.8	166.5
Vinyl chloride		103.5	43.5	149.1
Bromomethane		98.0	56.8	151.3
Chloroethane		101.1	53.4	149.4
Trichlorofluoromethane		108.6	59.7	151.8
1,1-Dichloroethene		106.1	69.6	139.4
Methylene chloride		104.9	73.3	121.1
trans-1,2-Dichloroethene		105.9	73.6	129.3
1,1-Dichloroethane		106.7	71.5	126.2
cis-1,2-Dichloroethene		107.2	76.6	122.1
Tetrahydrofuran		85.5	59.0	117.9
Chloroform		107.5	78.4	124.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Bromochloromethane		108.6	78.2	120.8
1,1,1-Trichloroethane		107.5	79.4	130.9
4-Methyl-2-pentanone (MIBK)		85.2	71.6	125.2
2-Hexanone		84.3	55.4	136.9
Carbon tetrachloride		109.0	72.6	133.0
Benzene		104.0	79.9	124.9
1,2-Dichloroethane		105.1	76.0	126.3
Trichloroethene		104.6	79.7	124.2
1,2-Dichloropropane		101.1	78.6	126.4
Bromodichloromethane		106.0	80.4	128.2
Dibromomethane		107.3	76.9	122.1
cis-1,3-Dichloropropene		105.5	79.8	129.9
Toluene		104.1	79.8	124.5
trans-1,3-Dichloropropene		104.3	74.0	131.3
1,1,2-Trichloroethane		101.4	78.7	123.1
Tetrachloroethene		106.4	74.5	124.5
trans-1,4-Dichloro-2-butene		93.5	68.6	135.4
Dibromochloromethane		109.1	74.6	127.2
1,2-Dibromoethane		104.2	70.3	133.7
Chlorobenzene		106.3	79.2	122.7
1,1,1,2-Tetrachloroethane		110.0	80.3	128.2
Ethylbenzene		106.2	79.5	129.1
p,m-Xylene		107.6	79.4	132.2
o-Xylene		107.5	80.2	131.0
Styrene		107.0	69.5	126.7
Isopropylbenzene		106.4	74.4	121.5
Bromoform		105.3	69.4	128.0
1,1,2,2-Tetrachloroethane		98.6	79.8	126.3
1,2,3-Trichloropropane		99.1	78.3	138.8
n-Propylbenzene		104.7	82.0	130.7
Bromobenzene		108.1	78.7	124.6
1,3,5-Trimethylbenzene		108.1	81.3	128.9
tert-Butylbenzene		105.7	80.7	128.9
1,2,4-Trimethylbenzene		106.9	81.4	130.8
sec-Butylbenzene		102.0	77.4	129.8
p-Isopropyltoluene		104.4	79.8	137.5
1,3-Dichlorobenzene		105.5	77.0	131.3
1,4-Dichlorobenzene		104.1	20.7	137.7
1,2-Dichlorobenzene		103.9	10.0	166.2
1,2,3-Trimethylbenzene		100.6	76.3	124.2
n-Butylbenzene		102.4	80.0	133.3
Hexachloroethane		103.7	23.8	138.1
1,2-Dibromo-3-chloropropane		92.6	21.2	189.4
1,2,4-Trichlorobenzene		102.5	27.4	143.4
1,2,3-Trichlorobenzene		99.3	75.4	131.4
Naphthalene		93.8	32.9	135.8

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
2-Methylnaphthalene		83.9	25.5	165.5

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250924A11.LCSDW24A, Parent Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		107.4	67.4	121.2	3.4	30.0
Acetone		99.4	29.9	161.5	15.1	30.0
Methyl iodide		106.3	68.8	116.4	6.3	30.0
Carbon disulfide		102.1	63.8	137.4	3.2	30.0
tert-Methyl butyl ether (MTBE)		107.5	73.2	122.4	4.5	30.0
Acrylonitrile		103.8	69.9	128.9	7.9	30.0
2-Butanone (MEK)		96.1	44.0	134.4	13.2	30.0
Dichlorodifluoromethane		109.4	10.0	222.8	2.9	30.0
Chloromethane		92.3	23.8	166.5	1.6	30.0
Vinyl chloride		100.1	43.5	149.1	3.3	30.0
Bromomethane		100.5	56.8	151.3	2.5	30.0
Chloroethane		100.4	53.4	149.4	0.7	30.0
Trichlorofluoromethane		105.5	59.7	151.8	2.9	30.0
1,1-Dichloroethene		101.6	69.6	139.4	4.4	30.0
Methylene chloride		104.3	73.3	121.1	0.6	30.0
trans-1,2-Dichloroethene		102.6	73.6	129.3	3.1	30.0
1,1-Dichloroethane		104.3	71.5	126.2	2.3	30.0
cis-1,2-Dichloroethene		107.2	76.6	122.1	0.0	30.0
Tetrahydrofuran		96.5	59.0	117.9	12.0	30.0
Chloroform		106.1	78.4	124.0	1.3	30.0
Bromochloromethane		110.9	78.2	120.8	2.1	30.0
1,1,1-Trichloroethane		106.9	79.4	130.9	0.6	30.0
4-Methyl-2-pentanone (MIBK)		97.9	71.6	125.2	13.8	30.0
2-Hexanone		93.7	55.4	136.9	10.5	30.0
Carbon tetrachloride		104.3	72.6	133.0	4.4	30.0
Benzene		102.4	79.9	124.9	1.5	30.0
1,2-Dichloroethane		104.1	76.0	126.3	1.0	30.0
Trichloroethene		102.4	79.7	124.2	2.2	30.0
1,2-Dichloropropane		100.9	78.6	126.4	0.2	30.0
Bromodichloromethane		105.6	80.4	128.2	0.3	30.0
Dibromomethane		110.7	76.9	122.1	3.1	30.0
cis-1,3-Dichloropropene		104.5	79.8	129.9	1.0	30.0
Toluene		101.9	79.8	124.5	2.2	30.0
trans-1,3-Dichloropropene		104.4	74.0	131.3	0.2	30.0
1,1,2-Trichloroethane		102.4	78.7	123.1	1.0	30.0
Tetrachloroethene		104.3	74.5	124.5	2.0	30.0
trans-1,4-Dichloro-2-butene		109.5	68.6	135.4	15.8	30.0
Dibromochloromethane		109.1	74.6	127.2	0.1	30.0
1,2-Dibromoethane		106.1	70.3	133.7	1.8	30.0
Chlorobenzene		105.0	79.2	122.7	1.2	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250924A11.LCSDW24A, Parent Sample ID: 250924A11.LCSW24A

Run in Batch: 250924A11, Run Date: 09/24/2025 12:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,1,2-Tetrachloroethane		106.8	80.3	128.2	3.0	30.0
Ethylbenzene		103.4	79.5	129.1	2.7	30.0
p,m-Xylene		103.5	79.4	132.2	3.9	30.0
o-Xylene		105.0	80.2	131.0	2.4	30.0
Styrene		106.4	69.5	126.7	0.6	30.0
Isopropylbenzene		102.9	74.4	121.5	3.3	30.0
Bromoform		109.7	69.4	128.0	4.2	30.0
1,1,2,2-Tetrachloroethane		103.4	79.8	126.3	4.7	30.0
1,2,3-Trichloropropane		104.4	78.3	138.8	5.2	30.0
n-Propylbenzene		101.5	82.0	130.7	3.2	30.0
Bromobenzene		107.2	78.7	124.6	0.8	30.0
1,3,5-Trimethylbenzene		106.4	81.3	128.9	1.6	30.0
tert-Butylbenzene		104.3	80.7	128.9	1.3	30.0
1,2,4-Trimethylbenzene		106.0	81.4	130.8	0.8	30.0
sec-Butylbenzene		101.9	77.4	129.8	0.1	30.0
p-Isopropyltoluene		104.4	79.8	137.5	0.0	30.0
1,3-Dichlorobenzene		107.4	77.0	131.3	1.8	30.0
1,4-Dichlorobenzene		106.9	20.7	137.7	2.7	30.0
1,2-Dichlorobenzene		107.6	10.0	166.2	3.6	30.0
1,2,3-Trimethylbenzene		103.0	76.3	124.2	2.4	30.0
n-Butylbenzene		101.1	80.0	133.3	1.3	30.0
Hexachloroethane		106.3	23.8	138.1	2.5	30.0
1,2-Dibromo-3-chloropropane		104.9	21.2	189.4	12.4	30.0
1,2,4-Trichlorobenzene		111.0	27.4	143.4	8.0	30.0
1,2,3-Trichlorobenzene		110.4	75.4	131.4	10.5	30.0
Naphthalene		107.6	32.9	135.8	13.8	30.0
2-Methylnaphthalene		104.8	25.5	165.5	22.2	30.0

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Hannah Neumann			
COMPANY Applied Eco Systems			
ADDRESS 6-4300 South Saginaw Street			
CITY Burton		STATE MI	ZIP CODE 48529
PHONE NO. 810-715-2535		CELL NO. 810-250-3068	P.O. NO.
E-MAIL ADDRESS hneumann@appliedecosystems.com		QUOTE NO.	

CONTACT NAME		☐ SAME	
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	E-MAIL ADDRESS		

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME 11-4317-102	SAMPLER(S) - PLEASE PRINT/SIGN NAME Hannich Neumann/Hannich Neumann
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER	
DELIVERABLES REQUIRED ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER	

Certifications

☐ OHIO VAP ☐ Drinking Water

☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York

☐ Other _____

Special Instructions

MATRIX	W=WATER	GW=GROUNDWATER	WW=WASTEWATER	S=SOIL	L=LIQUID	SD=SOLID
CODE:	SL=SLUDGE	DW=DRINKING WATER	O=OIL	WP=WIPE	A=AIR	WS=WASTE

[illegible]

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>	☐ Sampler	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>		9/23/25	12:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>		9/23/25	14:00
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>		9/23/25	14:00

RELINQUISHED BY:				DATE	TIME
SIGNATURE/ORGANIZATION					
RECEIVED BY:				DATE	TIME
SIGNATURE/ORGANIZATION					
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	☒ ICE (SOLID) ☐ ICE (MELTED)	TEMP. ON ARRIVAL	S.2
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		☐ BLUE ICE ☐ NONE	

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



Quality Control Report

Report ID: QC-S79206-01
Generated on 10/03/2025

Report to

Attention: Hannah Neumann
Applied Ecosystems
G4300 S. Saginaw Street
Burton, MI 48529

Phone: O:810-715-2525 C:810-250-3068 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S79206.01-S79206.06
Project: 11-4317-102
Submitted Date/Time: 09/24/2025 09:20
Sampled by: Hannah Neumann
P.O. #: PO

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-7)
Prep Batch Summary (Pages 8-10)
Surrogates per Lab Sample (Pages 11-14)
Surrogates per QC Sample (Pages 15-18)
Internal Standards per Lab Sample (Pages 19-26)
Internal Standards per QC Sample (Pages 27-34)
Batch QC Results (Pages 35-59)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S79206.01

Sample Tag: MW-103S-20250923

Collected Date/Time: 09/23/2025 16:20

Matrix: Liquid

COC Reference: 188051

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:05	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Chromium VI	SM3500-Cr B	09/24/25 12:30	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Metals						
Arsenic, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 11:46	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 11:46	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 11:46	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 11:46	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 11:46	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 11:46	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 18:04	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 06:11	250924B11	VF250924W4	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S79206.02

Sample Tag: MS (MW-103S-20250923)

Collected Date/Time: 09/23/2025 16:20

Matrix: Liquid

COC Reference: 188051

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:10	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Chromium VI	SM3500-Cr B	09/24/25 12:35	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Metals						
Arsenic, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 11:56	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 11:56	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 11:56	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 11:56	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 11:56	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 11:56	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 18:24	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 23:54	250924B11	VF250924W4	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S79206.03

Sample Tag: MSD (MW-103S-20250923)

Collected Date/Time: 09/23/2025 16:20

Matrix: Liquid

COC Reference: 188051

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:15	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Chromium VI	SM3500-Cr B	09/24/25 12:40	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Metals						
Arsenic, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 12:00	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 12:00	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 12:00	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 12:00	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 12:00	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 12:00	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 18:44	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 00:17	250924B11	VF250924W4	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S79206.04

Sample Tag: MW-108S-20250923

Collected Date/Time: 09/23/2025 13:45

Matrix: Liquid

COC Reference: 188051

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:20	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Chromium VI	SM3500-Cr B	09/24/25 12:45	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Metals						
Arsenic, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 12:07	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 12:07	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 12:07	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 12:07	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 12:07	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 12:07	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 19:04	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 06:35	250924B11	VF250924W4	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S79206.05

Sample Tag: MW-114S-20250923

Collected Date/Time: 09/23/2025 15:15

Matrix: Liquid

COC Reference: 188051

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:25	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Chromium VI	SM3500-Cr B	09/24/25 12:50	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Metals						
Arsenic, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 12:15	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 12:15	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 12:15	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 12:15	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 12:15	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 12:15	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 19:24	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 14:34	250925A11	VF250925W2	Yes	BLK/LCS/LCSD
Volatile Organics - DEQ List (Replicate 01)	SW5030C/8260C	09/26/25 20:32	250926A11	VF250926W2	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S79206.06

Sample Tag: DUP-1-20250923

Collected Date/Time: 09/23/2025 00:01

Matrix: Liquid

COC Reference: 188051

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:30	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Chromium VI	SM3500-Cr B	09/24/25 12:50	CHR250924-W1	CHR250924-W1	No	BLK/LCS/MS/MSD/DU
Metals						
Arsenic, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Arsenic	E200.8	09/29/25 12:18	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Chromium	E200.8	09/29/25 12:18	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Copper	E200.8	09/29/25 12:18	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Lead	E200.8	09/29/25 12:18	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Selenium	E200.8	09/29/25 12:18	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Zinc	E200.8	09/29/25 12:18	MT4-25-0929A	MTD-092925-3	No	BLK/LCS/MS/MSD
Organics - Volatiles						
28 PFAs	ASTMD7979-19M	09/24/25 19:44	AK250924W1	PF250924W1	Yes	BLK/LCS/LCSD/MS/MS
Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 14:58	250925A11	VF250925W2	Yes	BLK/LCS/LCSD
Volatile Organics - DEQ List (Replicate 01)	SW5030C/8260C	09/26/25 20:56	250926A11	VF250926W2	Yes	BLK/LCS/LCSD

QC Report - Prep Batch Summary

Inorganics, Prep Batch ID: CHR250924-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79206.01	Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:05	CHR250924-W1
S79206.01	Chromium VI	SM3500-Cr B	09/24/25 12:30	CHR250924-W1
S79206.02	Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:10	CHR250924-W1
S79206.02	Chromium VI	SM3500-Cr B	09/24/25 12:35	CHR250924-W1
S79206.03	Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:15	CHR250924-W1
S79206.03	Chromium VI	SM3500-Cr B	09/24/25 12:40	CHR250924-W1
S79206.04	Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:20	CHR250924-W1
S79206.04	Chromium VI	SM3500-Cr B	09/24/25 12:45	CHR250924-W1
S79206.05	Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:25	CHR250924-W1
S79206.05	Chromium VI	SM3500-Cr B	09/24/25 12:50	CHR250924-W1
S79206.06	Chromium VI, Dissolved	SM3500-Cr B	09/24/25 13:30	CHR250924-W1
S79206.06	Chromium VI	SM3500-Cr B	09/24/25 12:50	CHR250924-W1

Metals, Prep Batch ID: MTD-092925-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79206.01	Arsenic, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A
S79206.01	Arsenic	E200.8	09/29/25 11:46	MT4-25-0929A
S79206.01	Chromium, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A
S79206.01	Chromium	E200.8	09/29/25 11:46	MT4-25-0929A
S79206.01	Copper, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A
S79206.01	Copper	E200.8	09/29/25 11:46	MT4-25-0929A
S79206.01	Lead, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A
S79206.01	Lead	E200.8	09/29/25 11:46	MT4-25-0929A
S79206.01	Selenium, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A
S79206.01	Selenium	E200.8	09/29/25 11:46	MT4-25-0929A
S79206.01	Zinc, Dissolved	E200.8	09/29/25 11:48	MT4-25-0929A
S79206.01	Zinc	E200.8	09/29/25 11:46	MT4-25-0929A
S79206.02	Arsenic, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A
S79206.02	Arsenic	E200.8	09/29/25 11:56	MT4-25-0929A
S79206.02	Chromium, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A
S79206.02	Chromium	E200.8	09/29/25 11:56	MT4-25-0929A
S79206.02	Copper, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A
S79206.02	Copper	E200.8	09/29/25 11:56	MT4-25-0929A
S79206.02	Lead, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A
S79206.02	Lead	E200.8	09/29/25 11:56	MT4-25-0929A
S79206.02	Selenium, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A
S79206.02	Selenium	E200.8	09/29/25 11:56	MT4-25-0929A
S79206.02	Zinc, Dissolved	E200.8	09/29/25 11:57	MT4-25-0929A
S79206.02	Zinc	E200.8	09/29/25 11:56	MT4-25-0929A
S79206.03	Arsenic, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A
S79206.03	Arsenic	E200.8	09/29/25 12:00	MT4-25-0929A
S79206.03	Chromium, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A
S79206.03	Chromium	E200.8	09/29/25 12:00	MT4-25-0929A
S79206.03	Copper, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A
S79206.03	Copper	E200.8	09/29/25 12:00	MT4-25-0929A
S79206.03	Lead, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A
S79206.03	Lead	E200.8	09/29/25 12:00	MT4-25-0929A
S79206.03	Selenium, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A
S79206.03	Selenium	E200.8	09/29/25 12:00	MT4-25-0929A

QC Report - Prep Batch Summary

Metals, Prep Batch ID: MTD-092925-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79206.03	Zinc, Dissolved	E200.8	09/29/25 12:01	MT4-25-0929A
S79206.03	Zinc	E200.8	09/29/25 12:00	MT4-25-0929A
S79206.04	Arsenic, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A
S79206.04	Arsenic	E200.8	09/29/25 12:07	MT4-25-0929A
S79206.04	Chromium, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A
S79206.04	Chromium	E200.8	09/29/25 12:07	MT4-25-0929A
S79206.04	Copper, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A
S79206.04	Copper	E200.8	09/29/25 12:07	MT4-25-0929A
S79206.04	Lead, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A
S79206.04	Lead	E200.8	09/29/25 12:07	MT4-25-0929A
S79206.04	Selenium, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A
S79206.04	Selenium	E200.8	09/29/25 12:07	MT4-25-0929A
S79206.04	Zinc, Dissolved	E200.8	09/29/25 12:09	MT4-25-0929A
S79206.04	Zinc	E200.8	09/29/25 12:07	MT4-25-0929A
S79206.05	Arsenic, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A
S79206.05	Arsenic	E200.8	09/29/25 12:15	MT4-25-0929A
S79206.05	Chromium, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A
S79206.05	Chromium	E200.8	09/29/25 12:15	MT4-25-0929A
S79206.05	Copper, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A
S79206.05	Copper	E200.8	09/29/25 12:15	MT4-25-0929A
S79206.05	Lead, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A
S79206.05	Lead	E200.8	09/29/25 12:15	MT4-25-0929A
S79206.05	Selenium, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A
S79206.05	Selenium	E200.8	09/29/25 12:15	MT4-25-0929A
S79206.05	Zinc, Dissolved	E200.8	09/29/25 12:17	MT4-25-0929A
S79206.05	Zinc	E200.8	09/29/25 12:15	MT4-25-0929A
S79206.06	Arsenic, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A
S79206.06	Arsenic	E200.8	09/29/25 12:18	MT4-25-0929A
S79206.06	Chromium, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A
S79206.06	Chromium	E200.8	09/29/25 12:18	MT4-25-0929A
S79206.06	Copper, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A
S79206.06	Copper	E200.8	09/29/25 12:18	MT4-25-0929A
S79206.06	Lead, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A
S79206.06	Lead	E200.8	09/29/25 12:18	MT4-25-0929A
S79206.06	Selenium, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A
S79206.06	Selenium	E200.8	09/29/25 12:18	MT4-25-0929A
S79206.06	Zinc, Dissolved	E200.8	09/29/25 12:20	MT4-25-0929A
S79206.06	Zinc	E200.8	09/29/25 12:18	MT4-25-0929A

Organics - Volatiles, Prep Batch ID: PF250924W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79206.01	28 PFAs	ASTMD7979-19M	09/24/25 18:04	AK250924W1
S79206.02	28 PFAs	ASTMD7979-19M	09/24/25 18:24	AK250924W1
S79206.03	28 PFAs	ASTMD7979-19M	09/24/25 18:44	AK250924W1
S79206.04	28 PFAs	ASTMD7979-19M	09/24/25 19:04	AK250924W1
S79206.05	28 PFAs	ASTMD7979-19M	09/24/25 19:24	AK250924W1
S79206.06	28 PFAs	ASTMD7979-19M	09/24/25 19:44	AK250924W1

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: VF250924W4

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79206.01	Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 06:11	250924B11
S79206.02	Volatile Organics - DEQ List	SW5030C/8260C	09/24/25 23:54	250924B11
S79206.03	Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 00:17	250924B11
S79206.04	Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 06:35	250924B11

Organics - Volatiles, Prep Batch ID: VF250925W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79206.05	Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 14:34	250925A11
S79206.06	Volatile Organics - DEQ List	SW5030C/8260C	09/25/25 14:58	250925A11

Organics - Volatiles, Prep Batch ID: VF250926W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S79206.05	Volatile Organics - DEQ List (Replicate 01)	SW5030C/8260C	09/26/25 20:32	250926A11
S79206.06	Volatile Organics - DEQ List (Replicate 01)	SW5030C/8260C	09/26/25 20:56	250926A11

Lab Sample ID: S79206.01
Sample Tag: MW-103S-20250923
Collected Date/Time: 09/23/2025 16:20
Matrix: Liquid
COC Reference: 188051

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 250924B11, Run Date: 09/25/2025 06:11, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		102.3	80.0	124.0
1,2-Dichloroethane-D4		99.5	72.0	125.0
Toluene-D8		100.3	89.0	112.0

Lab Sample ID: S79206.04
Sample Tag: MW-108S-20250923
Collected Date/Time: 09/23/2025 13:45
Matrix: Liquid
COC Reference: 188051

Organics - Volatiles, Analysis: Volatile Organics - DEQ List
Run in Batch: 250924B11, Run Date: 09/25/2025 06:35, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		104.3	80.0	124.0
1,2-Dichloroethane-D4		103.8	72.0	125.0
Toluene-D8		99.2	89.0	112.0

Lab Sample ID: S79206.05

Sample Tag: MW-114S-20250923

Collected Date/Time: 09/23/2025 15:15

Matrix: Liquid

COC Reference: 188051

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250925A11, Run Date: 09/25/2025 14:34, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		104.7	80.0	124.0
1,2-Dichloroethane-D4		101.4	72.0	125.0
Toluene-D8		100.0	89.0	112.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List (Replicate 01)

Run in Batch: 250926A11, Run Date: 09/26/2025 20:32, Matrix: WW, Dilution: 10

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		102.4	80.0	124.0
1,2-Dichloroethane-D4		103.0	72.0	125.0
Toluene-D8		98.5	89.0	112.0

Lab Sample ID: S79206.06

Sample Tag: DUP-1-20250923

Collected Date/Time: 09/23/2025 00:01

Matrix: Liquid

COC Reference: 188051

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250925A11, Run Date: 09/25/2025 14:58, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		105.1	80.0	124.0
1,2-Dichloroethane-D4		103.8	72.0	125.0
Toluene-D8		98.4	89.0	112.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List (Replicate 01)

Run in Batch: 250926A11, Run Date: 09/26/2025 20:56, Matrix: WW, Dilution: 10

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		104.0	80.0	124.0
1,2-Dichloroethane-D4		105.4	72.0	125.0
Toluene-D8		99.8	89.0	112.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: PF250924W1

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250924W1.BLK250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Laboratory Control Sample (LCS)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Matrix Spike (MS)

Lab Sample ID: AK250924W1.7920602M, Parent Sample ID: S79206.01

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.03

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Surrogate	Flags	%Rec	LCL	UCL
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No Surrogates

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF250924W4

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: 250924B11.BLKW24B

Run in Batch: 250924B11, Run Date: 09/25/2025 01:28, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		103.1	80.0	124.0
1,2-Dichloroethane-D4		105.0	72.0	125.0
Toluene-D8		101.8	89.0	112.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		102.0	80.0	124.0
1,2-Dichloroethane-D4		100.4	72.0	125.0
Toluene-D8		99.2	89.0	112.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250924B11.LCSDW24B, Parent Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		101.8	80.0	124.0
1,2-Dichloroethane-D4		100.1	72.0	125.0
Toluene-D8		98.7	89.0	112.0

Matrix Spike (MS)

Lab Sample ID: 250924B11.7920602M, Parent Sample ID: S79206.01

Run in Batch: 250924B11, Run Date: 09/24/2025 23:54, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		102.4	80.0	124.0
1,2-Dichloroethane-D4		90.0	72.0	125.0
Toluene-D8		100.2	89.0	112.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: 250924B11.7920603N, Parent Sample ID: 250924B11.7920602M

Run in Batch: 250924B11, Run Date: 09/25/2025 00:17, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		104.4	80.0	124.0
1,2-Dichloroethane-D4		96.5	72.0	125.0
Toluene-D8		100.7	89.0	112.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF250925W2

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250925A11.BLKW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 14:11, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		102.6	80.0	124.0
1,2-Dichloroethane-D4		99.4	72.0	125.0
Toluene-D8		98.8	89.0	112.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 12:36, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		103.7	80.0	124.0
1,2-Dichloroethane-D4		89.7	72.0	125.0
Toluene-D8		100.8	89.0	112.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250925A11.LCSDW25A, Parent Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 13:00, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		106.3	80.0	124.0
1,2-Dichloroethane-D4		97.0	72.0	125.0
Toluene-D8		98.9	89.0	112.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: VF250926W2

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250926A11.BLKW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 13:51, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		103.1	80.0	124.0
1,2-Dichloroethane-D4		103.0	72.0	125.0
Toluene-D8		97.7	89.0	112.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:16, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		105.5	80.0	124.0
1,2-Dichloroethane-D4		94.0	72.0	125.0
Toluene-D8		98.9	89.0	112.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250926A11.LCSDW26A, Parent Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:40, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		104.0	80.0	124.0
1,2-Dichloroethane-D4		101.8	72.0	125.0
Toluene-D8		99.1	89.0	112.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79206.01

Sample Tag: MW-103S-20250923

Collected Date/Time: 09/23/2025 16:20

Matrix: Liquid

COC Reference: 188051

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:04, Matrix: WW, Dilution: 2.05

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA	*	182.1	50.0	150.0
M2-6:2FTSA		133.2	50.0	150.0
M2-8:2FTSA		132.0	50.0	150.0
M2PFTeDA		110.3	12.0	218.0
M3PFBS		107.3	50.0	150.0
M3PFHxS		108.6	50.0	150.0
M4PFHpA		128.0	50.0	150.0
M5PFHxA		110.2	50.0	150.0
M5PFPeA		112.4	50.0	150.0
M6PFDA		138.4	50.0	150.0
M7PFUnDA		111.4	50.0	150.0
M8FOSA		111.6	50.0	150.0
M8PFOA		124.5	50.0	150.0
M8PFOS		115.4	50.0	150.0
M9-PFNA		117.3	50.0	150.0
MPFBA		119.7	50.0	150.0
MPFDoDA		98.8	50.0	150.0
d3N-MeFOSAA		121.6	50.0	150.0
d5EtFOSAA		124.8	50.0	150.0
MHFPO-DA		109.8	50.0	150.0
d-N-EtFOSA-M		103.2	50.0	150.0
d-N-MeFOSA-M		109.3	50.0	150.0
d7-N-MeFOSE-M		105.3	50.0	150.0
d9-N-EtFOSE-M		102.2	50.0	150.0

QC Report - Internal Standards per Lab Sample

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924B11, Run Date: 09/25/2025 06:11, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		93.1	50.0	200.0
1,4-Difluorobenzene		92.5	50.0	200.0
Chlorobenzene-D5		93.6	50.0	200.0
1,4-Dichlorobenzene-D4		93.3	50.0	200.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79206.04

Sample Tag: MW-108S-20250923

Collected Date/Time: 09/23/2025 13:45

Matrix: Liquid

COC Reference: 188051

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 19:04, Matrix: WW, Dilution: 2.05

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		92.4	50.0	150.0
M2-6:2FTSA		97.8	50.0	150.0
M2-8:2FTSA		96.6	50.0	150.0
M2PFTeDA		91.8	12.0	218.0
M3PFBS		101.5	50.0	150.0
M3PFHxS		117.6	50.0	150.0
M4PFHpA		119.7	50.0	150.0
M5PFHxA		105.9	50.0	150.0
M5PFPeA		106.8	50.0	150.0
M6PFDA		109.4	50.0	150.0
M7PFUnDA		100.1	50.0	150.0
M8FOSA		105.3	50.0	150.0
M8PFOA		99.0	50.0	150.0
M8PFOS		108.7	50.0	150.0
M9-PFNA		115.9	50.0	150.0
MPFBA		114.8	50.0	150.0
MPFDoDA		110.5	50.0	150.0
d3N-MeFOSAA		112.9	50.0	150.0
d5EtFOSAA		100.7	50.0	150.0
MHFPO-DA		106.6	50.0	150.0
d-N-EtFOSA-M		100.6	50.0	150.0
d-N-MeFOSA-M		110.1	50.0	150.0
d7-N-MeFOSE-M		104.4	50.0	150.0
d9-N-EtFOSE-M		104.5	50.0	150.0

QC Report - Internal Standards per Lab Sample

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250924B11, Run Date: 09/25/2025 06:35, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		99.9	50.0	200.0
1,4-Difluorobenzene		100.2	50.0	200.0
Chlorobenzene-D5		101.7	50.0	200.0
1,4-Dichlorobenzene-D4		102.4	50.0	200.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79206.05

Sample Tag: MW-114S-20250923

Collected Date/Time: 09/23/2025 15:15

Matrix: Liquid

COC Reference: 188051

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 19:24, Matrix: WW, Dilution: 2.08

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		121.4	50.0	150.0
M2-6:2FTSA		115.5	50.0	150.0
M2-8:2FTSA		108.6	50.0	150.0
M2PFTeDA		97.3	12.0	218.0
M3PFBS		108.0	50.0	150.0
M3PFHxS		121.8	50.0	150.0
M4PFHpA		118.1	50.0	150.0
M5PFHxA		106.0	50.0	150.0
M5PFPeA		112.4	50.0	150.0
M6PFDA		115.0	50.0	150.0
M7PFUnDA		106.0	50.0	150.0
M8FOSA		106.1	50.0	150.0
M8PFOA		121.9	50.0	150.0
M8PFOS		102.3	50.0	150.0
M9-PFNA		117.9	50.0	150.0
MPFBA		118.1	50.0	150.0
MPFDoDA		110.6	50.0	150.0
d3N-MeFOSAA		111.8	50.0	150.0
d5EtFOSAA		103.0	50.0	150.0
MHFPO-DA		110.9	50.0	150.0
d-N-EtFOSA-M		104.7	50.0	150.0
d-N-MeFOSA-M		107.8	50.0	150.0
d7-N-MeFOSE-M		117.3	50.0	150.0
d9-N-EtFOSE-M		110.3	50.0	150.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250925A11, Run Date: 09/25/2025 14:34, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		97.5	50.0	200.0
1,4-Difluorobenzene		95.9	50.0	200.0
Chlorobenzene-D5		97.1	50.0	200.0
1,4-Dichlorobenzene-D4		99.6	50.0	200.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List (Replicate 01)

Run in Batch: 250926A11, Run Date: 09/26/2025 20:32, Matrix: WW, Dilution: 10

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		99.2	50.0	200.0
1,4-Difluorobenzene		99.1	50.0	200.0
Chlorobenzene-D5		99.8	50.0	200.0
1,4-Dichlorobenzene-D4		100.3	50.0	200.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S79206.06

Sample Tag: DUP-1-20250923

Collected Date/Time: 09/23/2025 00:01

Matrix: Liquid

COC Reference: 188051

Organics - Volatiles, Analysis: 28 PFAs

Run in Batch: AK250924W1, Run Date: 09/24/2025 19:44, Matrix: WW, Dilution: 2.11

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		116.0	50.0	150.0
M2-6:2FTSA		95.8	50.0	150.0
M2-8:2FTSA		103.6	50.0	150.0
M2PFTeDA		99.0	12.0	218.0
M3PFBS		110.6	50.0	150.0
M3PFHxS		123.5	50.0	150.0
M4PFHpA		105.4	50.0	150.0
M5PFHxA		106.1	50.0	150.0
M5PFPeA		113.8	50.0	150.0
M6PFDA		118.9	50.0	150.0
M7PFUnDA		102.5	50.0	150.0
M8FOSA		108.3	50.0	150.0
M8PFOA		110.5	50.0	150.0
M8PFOS		102.8	50.0	150.0
M9-PFNA		108.9	50.0	150.0
MPFBA		115.0	50.0	150.0
MPFDoDA		107.4	50.0	150.0
d3N-MeFOSAA		109.4	50.0	150.0
d5EtFOSAA		123.9	50.0	150.0
MHFPO-DA		104.1	50.0	150.0
d-N-EtFOSA-M		105.6	50.0	150.0
d-N-MeFOSA-M		107.6	50.0	150.0
d7-N-MeFOSE-M		102.2	50.0	150.0
d9-N-EtFOSE-M		101.5	50.0	150.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List

Run in Batch: 250925A11, Run Date: 09/25/2025 14:58, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		97.4	50.0	200.0
1,4-Difluorobenzene		97.1	50.0	200.0
Chlorobenzene-D5		97.8	50.0	200.0
1,4-Dichlorobenzene-D4		102.4	50.0	200.0

Organics - Volatiles, Analysis: Volatile Organics - DEQ List (Replicate 01)

Run in Batch: 250926A11, Run Date: 09/26/2025 20:56, Matrix: WW, Dilution: 10

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		98.6	50.0	200.0
1,4-Difluorobenzene		98.2	50.0	200.0
Chlorobenzene-D5		98.6	50.0	200.0
1,4-Dichlorobenzene-D4		98.6	50.0	200.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF250924W1

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250924W1.BLK250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		98.1	50.0	150.0
M2-6:2FTSA		95.4	50.0	150.0
M2-8:2FTSA		100.9	50.0	150.0
M2PFTeDA		86.1	12.0	218.0
M3PFBS		101.6	50.0	150.0
M3PFHxS		100.2	50.0	150.0
M4PFHpA		120.4	50.0	150.0
M5PFHxA		100.2	50.0	150.0
M5PFPeA		100.4	50.0	150.0
M6PFDA		106.8	50.0	150.0
M7PFUnDA		94.7	50.0	150.0
M8FOSA		100.6	50.0	150.0
M8PFOA		107.6	50.0	150.0
M8PFOS		100.8	50.0	150.0
M9-PFNA		106.8	50.0	150.0
MPFBA		103.4	50.0	150.0
MPFDoDA		96.8	50.0	150.0
d3N-MeFOSAA		102.9	50.0	150.0
d5EtFOSAA		102.3	50.0	150.0
MHFPO-DA		96.7	50.0	150.0
d-N-EtFOSA-M		91.7	50.0	150.0
d-N-MeFOSA-M		99.1	50.0	150.0
d7-N-MeFOSE-M		100.9	50.0	150.0
d9-N-EtFOSE-M		89.1	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		92.6	50.0	150.0
M2-6:2FTSA		102.6	50.0	150.0
M2-8:2FTSA		126.4	50.0	150.0
M2PFTeDA		79.3	12.0	218.0
M3PFBS		101.8	50.0	150.0
M3PFHxS		111.2	50.0	150.0
M4PFHpA		115.9	50.0	150.0
M5PFHxA		105.7	50.0	150.0
M5PFPeA		101.1	50.0	150.0
M6PFDA		95.7	50.0	150.0
M7PFUnDA		101.5	50.0	150.0
M8FOSA		100.8	50.0	150.0
M8PFOA		91.0	50.0	150.0
M8PFOS		93.0	50.0	150.0
M9-PFNA		96.5	50.0	150.0
MPFBA		104.4	50.0	150.0
MPFDoDA		105.7	50.0	150.0
d3N-MeFOSAA		101.3	50.0	150.0
d5EtFOSAA		95.1	50.0	150.0
MHFPO-DA		95.2	50.0	150.0
d-N-EtFOSA-M		97.7	50.0	150.0
d-N-MeFOSA-M		98.4	50.0	150.0
d7-N-MeFOSE-M		96.1	50.0	150.0
d9-N-EtFOSE-M		96.1	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		93.5	50.0	150.0
M2-6:2FTSA		94.9	50.0	150.0
M2-8:2FTSA		105.8	50.0	150.0
M2PFTeDA		70.5	12.0	218.0
M3PFBS		97.7	50.0	150.0
M3PFHxS		104.2	50.0	150.0
M4PFHpA		106.9	50.0	150.0
M5PFHxA		92.1	50.0	150.0
M5PFPeA		97.0	50.0	150.0
M6PFDA		96.2	50.0	150.0
M7PFUnDA		82.2	50.0	150.0
M8FOSA		96.1	50.0	150.0
M8PFOA		96.7	50.0	150.0
M8PFOS		95.6	50.0	150.0
M9-PFNA		104.2	50.0	150.0
MPFBA		98.9	50.0	150.0
MPFDoDA		90.2	50.0	150.0
d3N-MeFOSAA		102.5	50.0	150.0
d5EtFOSAA		104.3	50.0	150.0
MHFPO-DA		108.5	50.0	150.0
d-N-EtFOSA-M		95.4	50.0	150.0
d-N-MeFOSA-M		98.1	50.0	150.0
d7-N-MeFOSE-M		95.6	50.0	150.0
d9-N-EtFOSE-M		94.4	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike (MS)

Lab Sample ID: AK250924W1.7920602M, Parent Sample ID: S79206.01

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA	*	176.5	50.0	150.0
M2-6:2FTSA		143.9	50.0	150.0
M2-8:2FTSA		145.3	50.0	150.0
M2PFTeDA		105.4	12.0	218.0
M3PFBS		103.4	50.0	150.0
M3PFHxS		119.9	50.0	150.0
M4PFHpA		124.6	50.0	150.0
M5PFHxA		102.2	50.0	150.0
M5PFPeA		111.7	50.0	150.0
M6PFDA		116.6	50.0	150.0
M7PFUnDA		109.8	50.0	150.0
M8FOSA		107.0	50.0	150.0
M8PFOA		125.7	50.0	150.0
M8PFOS		108.8	50.0	150.0
M9-PFNA		115.0	50.0	150.0
MPFBA		117.4	50.0	150.0
MPFDoDA		107.5	50.0	150.0
d3N-MeFOSAA		137.0	50.0	150.0
d5EtFOSAA		118.4	50.0	150.0
MHFPO-DA		103.7	50.0	150.0
d-N-EtFOSA-M		96.5	50.0	150.0
d-N-MeFOSA-M		106.7	50.0	150.0
d7-N-MeFOSE-M		97.3	50.0	150.0
d9-N-EtFOSE-M		99.6	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA	*	170.9	50.0	150.0
M2-6:2FTSA	*	154.2	50.0	150.0
M2-8:2FTSA		130.7	50.0	150.0
M2PFTeDA		104.0	12.0	218.0
M3PFBS		109.5	50.0	150.0
M3PFHxS		123.8	50.0	150.0
M4PFHpA		123.0	50.0	150.0
M5PFHxA		117.1	50.0	150.0
M5PFPeA		113.9	50.0	150.0
M6PFDA		122.1	50.0	150.0
M7PFUnDA		118.9	50.0	150.0
M8FOSA		104.3	50.0	150.0
M8PFOA		116.6	50.0	150.0
M8PFOS		99.2	50.0	150.0
M9-PFNA		117.3	50.0	150.0
MPFBA		118.8	50.0	150.0
MPFDoDA		104.9	50.0	150.0
d3N-MeFOSAA		133.2	50.0	150.0
d5EtFOSAA		126.8	50.0	150.0
MHFPO-DA		103.5	50.0	150.0
d-N-EtFOSA-M		104.0	50.0	150.0
d-N-MeFOSA-M		114.4	50.0	150.0
d7-N-MeFOSE-M		101.8	50.0	150.0
d9-N-EtFOSE-M		105.1	50.0	150.0

Organics - Volatiles, Prep Batch ID: VF250924W4

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: 250924B11.BLKW24B

Run in Batch: 250924B11, Run Date: 09/25/2025 01:28, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		101.2	50.0	200.0
1,4-Difluorobenzene		100.9	50.0	200.0
Chlorobenzene-D5		104.2	50.0	200.0
1,4-Dichlorobenzene-D4		104.9	50.0	200.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		96.2	50.0	200.0
1,4-Difluorobenzene		98.6	50.0	200.0
Chlorobenzene-D5		100.3	50.0	200.0
1,4-Dichlorobenzene-D4		100.9	50.0	200.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250924B11.LCSDW24B, Parent Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		98.0	50.0	200.0
1,4-Difluorobenzene		99.8	50.0	200.0
Chlorobenzene-D5		103.6	50.0	200.0
1,4-Dichlorobenzene-D4		103.8	50.0	200.0

Matrix Spike (MS)

Lab Sample ID: 250924B11.7920602M, Parent Sample ID: S79206.01

Run in Batch: 250924B11, Run Date: 09/24/2025 23:54, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		92.4	50.0	200.0
1,4-Difluorobenzene		94.1	50.0	200.0
Chlorobenzene-D5		96.0	50.0	200.0
1,4-Dichlorobenzene-D4		95.5	50.0	200.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: 250924B11.7920603N, Parent Sample ID: 250924B11.7920602M

Run in Batch: 250924B11, Run Date: 09/25/2025 00:17, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		92.6	50.0	200.0
1,4-Difluorobenzene		93.7	50.0	200.0
Chlorobenzene-D5		94.1	50.0	200.0
1,4-Dichlorobenzene-D4		96.1	50.0	200.0

Organics - Volatiles, Prep Batch ID: VF250925W2

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250925A11.BLKW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 14:11, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		101.9	50.0	200.0
1,4-Difluorobenzene		100.9	50.0	200.0
Chlorobenzene-D5		100.3	50.0	200.0
1,4-Dichlorobenzene-D4		102.0	50.0	200.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 12:36, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		98.3	50.0	200.0
1,4-Difluorobenzene		97.1	50.0	200.0
Chlorobenzene-D5		96.1	50.0	200.0
1,4-Dichlorobenzene-D4		97.7	50.0	200.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250925A11.LCSDW25A, Parent Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 13:00, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		99.9	50.0	200.0
1,4-Difluorobenzene		99.0	50.0	200.0
Chlorobenzene-D5		96.9	50.0	200.0
1,4-Dichlorobenzene-D4		102.2	50.0	200.0

Organics - Volatiles, Prep Batch ID: VF250926W2

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250926A11.BLKW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 13:51, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		96.9	50.0	200.0
1,4-Difluorobenzene		97.1	50.0	200.0
Chlorobenzene-D5		97.7	50.0	200.0
1,4-Dichlorobenzene-D4		97.4	50.0	200.0

Laboratory Control Sample (LCS)

Lab Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:16, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		99.9	50.0	200.0
1,4-Difluorobenzene		99.2	50.0	200.0
Chlorobenzene-D5		98.5	50.0	200.0
1,4-Dichlorobenzene-D4		100.6	50.0	200.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250926A11.LCSDW26A, Parent Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:40, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
Pentafluorobenzene		97.1	50.0	200.0
1,4-Difluorobenzene		97.5	50.0	200.0
Chlorobenzene-D5		98.7	50.0	200.0
1,4-Dichlorobenzene-D4		100.2	50.0	200.0

QC Report - Batch QC Results

Inorganics, Prep Batch ID: CHR250924-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Blank (BLK)

Lab Sample ID: CHR250924-W1.LRB1

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:00, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Chromium VI		ND	0.01	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: CHR250924-W1.LCS1

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:15, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI		105	90	110

Matrix Spike (MS)

Lab Sample ID: CHR250924-W1.MS1, Parent Sample ID: S79206.01

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:35, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI	*	76	80	120

Matrix Spike (MS)

Lab Sample ID: CHR250924-W1.MS2, Parent Sample ID: S78206.01

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 13:10, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Chromium VI	*	21	80	120

Matrix Spike Duplicate (MSD)

Lab Sample ID: CHR250924-W1.MSD1, Parent Sample ID: CHR250924-W1.MS1

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:40, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Chromium VI	*	74	80	120	3	15

Matrix Spike Duplicate (MSD)

Lab Sample ID: CHR250924-W1.MSD2, Parent Sample ID: CHR250924-W1.MS2

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 13:15, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Chromium VI	*	4	80	120	102	15

Duplicate (DUP)

Lab Sample ID: CHR250924-W1.DP1, Parent Sample ID: S79185.02

Run in Batch: CHR250924-W1, Run Date: 09/24/2025 12:25, Prep Date: 09/24/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	RPD	RPD CL
Chromium VI		,1	15

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-092925-3

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Blank (BLK)

Lab Sample ID: MT4-25-0929A.019.LRB

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:28, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Arsenic		ND	0.0004	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.001	mg/L
Lead		ND	0.0006	mg/L
Selenium		ND	0.001	mg/L
Zinc		ND	0.001	mg/L

Laboratory Control Sample (LCS)

Lab Sample ID: MT4-25-0929A.018.LCS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:25, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Arsenic		102	85	115
Chromium		105	85	115
Copper		104	85	115
Lead		104	85	115
Selenium		97	85	115
Zinc		101	85	115

Matrix Spike (MS)

Lab Sample ID: MT4-25-0929A.031.MS, Parent Sample ID: S79185.05

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:50, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		108	75	125
Chromium		112	75	125
Copper		100	75	125
Lead		96	75	125
Selenium		103	75	125
Zinc		100	75	125

Matrix Spike (MS)

Lab Sample ID: MT4-25-0929A.045.MS, Parent Sample ID: S79206.06

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 12:21, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Arsenic		104	75	125
Chromium		113	75	125
Copper		102	75	125
Lead		96	75	125
Selenium		103	75	125
Zinc		100	75	125

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0929A.032.MSD, Parent Sample ID: MT4-25-0929A.031.MS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:51, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		107	75	125	1	20
Chromium		114	75	125	2	20

QC Report - Batch QC Results

Metals, Prep Batch ID: MTD-092925-3 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: MT4-25-0929A.032.MSD, Parent Sample ID: MT4-25-0929A.031.MS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 11:51, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Copper		101	75	125	1	20
Lead		96	75	125	0	20
Selenium		100	75	125	3	20
Zinc		99	75	125	1	20

Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-25-0929A.046.MSD, Parent Sample ID: MT4-25-0929A.045.MS

Run in Batch: MT4-25-0929A, Run Date: 09/29/2025 12:22, Prep Date: 09/29/2025, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Arsenic		108	75	125	4	20
Chromium		116	75	125	2	20
Copper		105	75	125	3	20
Lead		99	75	125	3	20
Selenium		102	75	125	1	20
Zinc		101	75	125	1	20

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250924W1.BLK250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFBA		ND	10	ng/l
PFPeA		ND	4	ng/l
4:2 FTSA		ND	2	ng/l
PFHxA		ND	2	ng/l
PFBS		ND	2	ng/l
PFFHpA		ND	2	ng/l
PFPeS		ND	2	ng/l
6:2 FTSA		ND	2	ng/l
PFOA		ND	2	ng/l
PFHxS		ND	2	ng/l
PFHxS-LN		ND	2	ng/l
PFHxS-BR		ND	2	ng/l
PFNA		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFFHpS		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS		ND	2	ng/l
PFOS-LN		ND	2	ng/l
PFOS-BR		ND	2	ng/l
PFOUnDA		ND	2	ng/l
PFNS		ND	2	ng/l
PFDODA		ND	2	ng/l
PFDS		ND	2	ng/l
PFTTrDA		ND	2	ng/l
FOSA		ND	2	ng/l
PFTeDA		ND	4	ng/l
11Cl-PF3OUdS		ND	2	ng/l
9Cl-PF3ONS		ND	2	ng/l
ADONA		ND	2	ng/l
HFPO-DA		ND	10	ng/l

Laboratory Control Sample (LCS)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		88.0	70.0	130.0
PFPeA		95.8	70.0	130.0
4:2 FTSA		97.4	70.0	130.0
PFHxA		81.8	70.0	130.0
PFBS		99.2	70.0	130.0
PFFHpA		100.8	70.0	130.0
PFPeS		94.6	70.0	130.0
6:2 FTSA		112.4	70.0	130.0
PFOA		86.2	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:04, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFHxS		102.0	70.0	130.0
PFNA		108.2	70.0	130.0
8:2 FTSA		72.0	70.0	130.0
PFHpS		87.4	70.0	130.0
PFDA		97.8	70.0	130.0
N-MeFOSAA		98.8	70.0	130.0
EtFOSAA		103.8	70.0	130.0
PFOS		97.6	70.0	130.0
PFUnDA		81.2	70.0	130.0
PFNS		84.4	70.0	130.0
PFDODA		80.6	70.0	130.0
PFDS		107.2	70.0	130.0
PFTTrDA		84.8	70.0	130.0
FOSA		96.2	70.0	130.0
PFTeDA		91.8	70.0	130.0
11Cl-PF3OUdS		113.8	70.0	130.0
9Cl-PF3ONS		87.4	70.0	130.0
ADONA		102.4	70.0	130.0
HFPO-DA		90.8	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		95.8	70.0	130.0	8.5	30.0
PFPeA		101.6	70.0	130.0	5.9	30.0
4:2 FTSA		102.8	70.0	130.0	5.4	30.0
PFHxA		104.8	70.0	130.0	24.7	30.0
PFBS		105.8	70.0	130.0	6.4	30.0
PFHpA		114.2	70.0	130.0	12.5	30.0
PFPeS		93.8	70.0	130.0	0.8	30.0
6:2 FTSA		107.8	70.0	130.0	4.2	30.0
PFOA		82.0	70.0	130.0	5.0	30.0
PFHxS		100.0	70.0	130.0	2.0	30.0
PFNA		100.8	70.0	130.0	7.1	30.0
8:2 FTSA	*	100.4	70.0	130.0	32.9	30.0
PFHpS		90.2	70.0	130.0	3.2	30.0
PFDA		94.6	70.0	130.0	3.3	30.0
N-MeFOSAA		98.0	70.0	130.0	0.8	30.0
EtFOSAA		85.4	70.0	130.0	19.5	30.0
PFOS		86.6	70.0	130.0	11.9	30.0
PFUnDA	*	112.6	70.0	130.0	32.4	30.0
PFNS		90.4	70.0	130.0	6.9	30.0
PFDODA		106.4	70.0	130.0	27.6	30.0
PFDS		97.4	70.0	130.0	9.6	30.0
PFTTrDA		97.6	70.0	130.0	14.0	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK250924W1.LCSD250924, Parent Sample ID: AK250924W1.LCS250924

Run in Batch: AK250924W1, Run Date: 09/24/2025 13:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
FOSA		97.2	70.0	130.0	1.0	30.0
PFTeDA		95.6	70.0	130.0	4.1	30.0
11Cl-PF3OUdS		104.0	70.0	130.0	9.0	30.0
9Cl-PF3ONS		90.6	70.0	130.0	3.6	30.0
ADONA		97.2	70.0	130.0	5.2	30.0
HFPO-DA		87.0	70.0	130.0	4.3	30.0

Matrix Spike (MS)

Lab Sample ID: AK250924W1.7920602M, Parent Sample ID: S79206.01

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:24, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.03

Analyte	Flags	% Rec	LCL	UCL
PFBA		117.6	70.0	130.0
PFPeA		96.1	70.0	130.0
4:2 FTSA		107.8	70.0	130.0
PFHxA		107.8	70.0	130.0
PFBS		107.2	70.0	130.0
PFHpA		107.8	70.0	130.0
PFPeS		107.8	70.0	130.0
6:2 FTSA		98.0	70.0	130.0
PFOA		71.1	70.0	130.0
PFHxS		94.5	70.0	130.0
PFNA		98.0	70.0	130.0
8:2 FTSA		88.2	70.0	130.0
PFHpS		88.1	70.0	130.0
PFDA		98.0	70.0	130.0
N-MeFOSAA		90.2	70.0	130.0
EtFOSAA		93.5	70.0	130.0
PFOS		82.4	70.0	130.0
PFUnDA		98.0	70.0	130.0
PFNS		75.5	70.0	130.0
PFDODA		93.1	70.0	130.0
PFDS		96.1	70.0	130.0
PFTrDA		95.1	70.0	130.0
FOSA		98.0	70.0	130.0
PFTeDA		98.0	70.0	130.0
11Cl-PF3OUdS		97.1	70.0	130.0
9Cl-PF3ONS		82.4	70.0	130.0
ADONA		72.5	70.0	130.0
HFPO-DA		87.3	70.0	130.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		92.4	70.0	130.0	21.2	30.0
PFPeA		95.2	70.0	130.0	2.0	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250924W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: AK250924W1.7920603N, Parent Sample ID: AK250924W1.7920602M

Run in Batch: AK250924W1, Run Date: 09/24/2025 18:44, Prep Date: 09/24/2025, Matrix: WW, Dilution: 2.09

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
4:2 FTSA		114.3	70.0	130.0	8.7	30.0
PFHxA		92.4	70.0	130.0	12.6	30.0
PFBS		104.1	70.0	130.0	0.0	30.0
PFHpA		104.8	70.0	130.0	0.0	30.0
PFPeS		89.5	70.0	130.0	15.7	30.0
6:2 FTSA		95.2	70.0	130.0	0.0	30.0
PFOA		75.7	70.0	130.0	9.0	30.0
PFHxS		89.0	70.0	130.0	3.1	30.0
PFNA		90.5	70.0	130.0	5.1	30.0
8:2 FTSA		93.3	70.0	130.0	8.5	30.0
PFHpS		86.6	70.0	130.0	1.1	30.0
PFDA		90.5	70.0	130.0	5.1	30.0
N-MeFOSAA		92.4	70.0	130.0	5.3	30.0
EtFOSAA		91.8	70.0	130.0	1.0	30.0
PFOS		99.0	70.0	130.0	13.3	30.0
PFUnDA		81.0	70.0	130.0	16.2	30.0
PFNS		90.5	70.0	130.0	20.9	30.0
PFDoDA		91.4	70.0	130.0	1.0	30.0
PFDS		104.8	70.0	130.0	11.5	30.0
PFTTrDA		95.2	70.0	130.0	3.0	30.0
FOSA		94.3	70.0	130.0	1.0	30.0
PFTeDA		91.4	70.0	130.0	4.1	30.0
11Cl-PF3OUdS		123.8	70.0	130.0	27.1	30.0
9Cl-PF3ONS		93.3	70.0	130.0	15.4	30.0
ADONA		89.5	70.0	130.0	23.8	30.0
HFPO-DA		92.4	70.0	130.0	8.6	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W4

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: 250924B11.BLKW24B

Run in Batch: 250924B11, Run Date: 09/25/2025 01:28, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Diethyl ether		ND	1.00	ug/l
Acetone		ND	10.00	ug/l
Methyl iodide		ND	1.00	ug/l
Carbon disulfide		ND	1.00	ug/l
tert-Methyl butyl ether (MTBE)		ND	1.00	ug/l
Acrylonitrile		ND	1.00	ug/l
2-Butanone (MEK)		ND	10.00	ug/l
Dichlorodifluoromethane		ND	1.00	ug/l
Chloromethane		ND	1.00	ug/l
Vinyl chloride		ND	1.00	ug/l
Bromomethane		ND	1.00	ug/l
Chloroethane		ND	1.00	ug/l
Trichlorofluoromethane		ND	1.00	ug/l
1,1-Dichloroethene		ND	1.00	ug/l
Methylene chloride		ND	1.00	ug/l
trans-1,2-Dichloroethene		ND	1.00	ug/l
1,1-Dichloroethane		ND	1.00	ug/l
cis-1,2-Dichloroethene		ND	1.00	ug/l
Tetrahydrofuran		ND	10.00	ug/l
Chloroform		ND	1.00	ug/l
Bromochloromethane		ND	1.00	ug/l
1,1,1-Trichloroethane		ND	1.00	ug/l
4-Methyl-2-pentanone (MIBK)		ND	10.00	ug/l
2-Hexanone		ND	10.00	ug/l
Carbon tetrachloride		ND	1.00	ug/l
Benzene		ND	1.00	ug/l
1,2-Dichloroethane		ND	1.00	ug/l
Trichloroethene		ND	1.00	ug/l
1,2-Dichloropropane		ND	1.00	ug/l
Bromodichloromethane		ND	1.00	ug/l
Dibromomethane		ND	1.00	ug/l
cis-1,3-Dichloropropene		ND	1.00	ug/l
Toluene		ND	1.00	ug/l
trans-1,3-Dichloropropene		ND	1.00	ug/l
1,1,2-Trichloroethane		ND	1.00	ug/l
Tetrachloroethene		ND	1.00	ug/l
trans-1,4-Dichloro-2-butene		ND	1.00	ug/l
Dibromochloromethane		ND	1.00	ug/l
1,2-Dibromoethane		ND	1.00	ug/l
Chlorobenzene		ND	1.00	ug/l
1,1,1,2-Tetrachloroethane		ND	1.00	ug/l
Ethylbenzene		ND	1.00	ug/l
p,m-Xylene		ND	2.00	ug/l
o-Xylene		ND	1.00	ug/l
Styrene		ND	1.00	ug/l
Isopropylbenzene		ND	1.00	ug/l

Organics - Volatiles, Prep Batch ID: VF250924W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK) (continued)

Lab Sample ID: 250924B11.BLKW24B

Run in Batch: 250924B11, Run Date: 09/25/2025 01:28, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Bromoform		ND	1.00	ug/l
1,1,2,2-Tetrachloroethane		ND	1.00	ug/l
1,2,3-Trichloropropane		ND	1.00	ug/l
n-Propylbenzene		ND	1.00	ug/l
Bromobenzene		ND	1.00	ug/l
1,3,5-Trimethylbenzene		ND	1.00	ug/l
tert-Butylbenzene		ND	1.00	ug/l
1,2,4-Trimethylbenzene		ND	1.00	ug/l
sec-Butylbenzene		ND	1.00	ug/l
p-Isopropyltoluene		ND	1.00	ug/l
1,3-Dichlorobenzene		ND	1.00	ug/l
1,4-Dichlorobenzene		ND	1.00	ug/l
1,2-Dichlorobenzene		ND	1.00	ug/l
1,2,3-Trimethylbenzene		ND	1.00	ug/l
n-Butylbenzene		ND	1.00	ug/l
Hexachloroethane		ND	1.00	ug/l
1,2-Dibromo-3-chloropropane		ND	1.00	ug/l
1,2,4-Trichlorobenzene		ND	1.00	ug/l
1,2,3-Trichlorobenzene		ND	1.00	ug/l
Naphthalene		ND	1.00	ug/l
2-Methylnaphthalene		ND	1.00	ug/l

Laboratory Control Sample (LCS)

Lab Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		105.3	67.4	121.2
Acetone		101.3	29.9	161.5
Methyl iodide		104.5	68.8	116.4
Carbon disulfide		103.8	63.8	137.4
tert-Methyl butyl ether (MTBE)		104.4	73.2	122.4
Acrylonitrile		99.6	69.9	128.9
2-Butanone (MEK)		92.8	44.0	134.4
Dichlorodifluoromethane		103.0	10.0	222.8
Chloromethane		90.4	23.8	166.5
Vinyl chloride		97.8	43.5	149.1
Bromomethane		90.7	56.8	151.3
Chloroethane		98.3	53.4	149.4
Trichlorofluoromethane		104.1	59.7	151.8
1,1-Dichloroethene		103.0	69.6	139.4
Methylene chloride		103.2	73.3	121.1
trans-1,2-Dichloroethene		104.2	73.6	129.3
1,1-Dichloroethane		104.6	71.5	126.2
cis-1,2-Dichloroethene		106.0	76.6	122.1
Tetrahydrofuran		88.7	59.0	117.9
Chloroform		105.9	78.4	124.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Bromochloromethane		109.3	78.2	120.8
1,1,1-Trichloroethane		107.9	79.4	130.9
4-Methyl-2-pentanone (MIBK)		95.3	71.6	125.2
2-Hexanone		93.9	55.4	136.9
Carbon tetrachloride		106.0	72.6	133.0
Benzene		103.9	79.9	124.9
1,2-Dichloroethane		105.1	76.0	126.3
Trichloroethene		104.5	79.7	124.2
1,2-Dichloropropane		100.4	78.6	126.4
Bromodichloromethane		105.6	80.4	128.2
Dibromomethane		110.4	76.9	122.1
cis-1,3-Dichloropropene		101.4	79.8	129.9
Toluene		103.1	79.8	124.5
trans-1,3-Dichloropropene		100.2	74.0	131.3
1,1,2-Trichloroethane		100.6	78.7	123.1
Tetrachloroethene		104.9	74.5	124.5
trans-1,4-Dichloro-2-butene		79.4	68.6	135.4
Dibromochloromethane		108.3	74.6	127.2
1,2-Dibromoethane		106.7	70.3	133.7
Chlorobenzene		108.1	79.2	122.7
1,1,1,2-Tetrachloroethane		108.6	80.3	128.2
Ethylbenzene		104.8	79.5	129.1
p,m-Xylene		105.2	79.4	132.2
o-Xylene		106.4	80.2	131.0
Styrene		106.7	69.5	126.7
Isopropylbenzene		105.5	74.4	121.5
Bromoform		104.2	69.4	128.0
1,1,2,2-Tetrachloroethane		101.6	79.8	126.3
1,2,3-Trichloropropane		104.6	78.3	138.8
n-Propylbenzene		103.2	82.0	130.7
Bromobenzene		110.5	78.7	124.6
1,3,5-Trimethylbenzene		107.7	81.3	128.9
tert-Butylbenzene		104.9	80.7	128.9
1,2,4-Trimethylbenzene		105.8	81.4	130.8
sec-Butylbenzene		101.1	77.4	129.8
p-Isopropyltoluene		103.5	79.8	137.5
1,3-Dichlorobenzene		106.0	77.0	131.3
1,4-Dichlorobenzene		106.1	20.7	137.7
1,2-Dichlorobenzene		105.1	10.0	166.2
1,2,3-Trimethylbenzene		102.7	76.3	124.2
n-Butylbenzene		99.7	80.0	133.3
Hexachloroethane		104.4	23.8	138.1
1,2-Dibromo-3-chloropropane		97.8	21.2	189.4
1,2,4-Trichlorobenzene		105.8	27.4	143.4
1,2,3-Trichlorobenzene		104.9	75.4	131.4
Naphthalene		101.7	32.9	135.8

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:06, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
2-Methylnaphthalene		97.6	25.5	165.5

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250924B11.LCSDW24B, Parent Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		99.3	67.4	121.2	5.9	30.0
Acetone		99.8	29.9	161.5	1.4	30.0
Methyl iodide		104.9	68.8	116.4	0.4	30.0
Carbon disulfide		95.1	63.8	137.4	8.8	30.0
tert-Methyl butyl ether (MTBE)		101.0	73.2	122.4	3.4	30.0
Acrylonitrile		94.7	69.9	128.9	5.1	30.0
2-Butanone (MEK)		86.4	44.0	134.4	7.2	30.0
Dichlorodifluoromethane		95.0	10.0	222.8	8.1	30.0
Chloromethane		85.1	23.8	166.5	6.1	30.0
Vinyl chloride		89.4	43.5	149.1	9.0	30.0
Bromomethane		85.2	56.8	151.3	6.2	30.0
Chloroethane		91.5	53.4	149.4	7.2	30.0
Trichlorofluoromethane		95.9	59.7	151.8	8.2	30.0
1,1-Dichloroethene		95.2	69.6	139.4	7.9	30.0
Methylene chloride		101.9	73.3	121.1	1.3	30.0
trans-1,2-Dichloroethene		97.4	73.6	129.3	6.7	30.0
1,1-Dichloroethane		98.7	71.5	126.2	5.8	30.0
cis-1,2-Dichloroethene		100.4	76.6	122.1	5.4	30.0
Tetrahydrofuran		85.1	59.0	117.9	4.2	30.0
Chloroform		101.5	78.4	124.0	4.3	30.0
Bromochloromethane		104.4	78.2	120.8	4.6	30.0
1,1,1-Trichloroethane		101.8	79.4	130.9	5.9	30.0
4-Methyl-2-pentanone (MIBK)		91.1	71.6	125.2	4.5	30.0
2-Hexanone		93.0	55.4	136.9	0.9	30.0
Carbon tetrachloride		99.0	72.6	133.0	6.9	30.0
Benzene		97.8	79.9	124.9	6.0	30.0
1,2-Dichloroethane		100.2	76.0	126.3	4.9	30.0
Trichloroethene		97.3	79.7	124.2	7.2	30.0
1,2-Dichloropropane		96.1	78.6	126.4	4.4	30.0
Bromodichloromethane		101.3	80.4	128.2	4.1	30.0
Dibromomethane		105.8	76.9	122.1	4.3	30.0
cis-1,3-Dichloropropene		97.1	79.8	129.9	4.4	30.0
Toluene		96.8	79.8	124.5	6.3	30.0
trans-1,3-Dichloropropene		98.0	74.0	131.3	2.2	30.0
1,1,2-Trichloroethane		96.5	78.7	123.1	4.1	30.0
Tetrachloroethene		98.2	74.5	124.5	6.6	30.0
trans-1,4-Dichloro-2-butene		74.3	68.6	135.4	6.7	30.0
Dibromochloromethane		102.7	74.6	127.2	5.3	30.0
1,2-Dibromoethane		100.9	70.3	133.7	5.6	30.0
Chlorobenzene		99.5	79.2	122.7	8.3	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250924B11.LCSDW24B, Parent Sample ID: 250924B11.LCSW24B

Run in Batch: 250924B11, Run Date: 09/24/2025 23:30, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,1,2-Tetrachloroethane		102.8	80.3	128.2	5.5	30.0
Ethylbenzene		99.0	79.5	129.1	5.7	30.0
p,m-Xylene		99.2	79.4	132.2	5.9	30.0
o-Xylene		100.9	80.2	131.0	5.3	30.0
Styrene		100.1	69.5	126.7	6.4	30.0
Isopropylbenzene		98.8	74.4	121.5	6.6	30.0
Bromoform		98.2	69.4	128.0	5.9	30.0
1,1,2,2-Tetrachloroethane		100.6	79.8	126.3	1.0	30.0
1,2,3-Trichloropropane		99.7	78.3	138.8	4.8	30.0
n-Propylbenzene		96.4	82.0	130.7	6.9	30.0
Bromobenzene		103.6	78.7	124.6	6.5	30.0
1,3,5-Trimethylbenzene		101.5	81.3	128.9	6.0	30.0
tert-Butylbenzene		98.9	80.7	128.9	5.9	30.0
1,2,4-Trimethylbenzene		99.8	81.4	130.8	5.8	30.0
sec-Butylbenzene		96.0	77.4	129.8	5.2	30.0
p-Isopropyltoluene		98.0	79.8	137.5	5.4	30.0
1,3-Dichlorobenzene		100.7	77.0	131.3	5.2	30.0
1,4-Dichlorobenzene		100.3	20.7	137.7	5.6	30.0
1,2-Dichlorobenzene		100.5	10.0	166.2	4.5	30.0
1,2,3-Trimethylbenzene		97.5	76.3	124.2	5.1	30.0
n-Butylbenzene		94.5	80.0	133.3	5.3	30.0
Hexachloroethane		98.7	23.8	138.1	5.6	30.0
1,2-Dibromo-3-chloropropane		97.9	21.2	189.4	0.1	30.0
1,2,4-Trichlorobenzene		101.1	27.4	143.4	4.6	30.0
1,2,3-Trichlorobenzene		103.4	75.4	131.4	1.4	30.0
Naphthalene		99.7	32.9	135.8	1.9	30.0
2-Methylnaphthalene		100.9	25.5	165.5	3.3	30.0

Matrix Spike (MS)

Lab Sample ID: 250924B11.7920602M, Parent Sample ID: S79206.01

Run in Batch: 250924B11, Run Date: 09/24/2025 23:54, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		97.9	67.4	121.2
Acetone		91.4	29.9	161.5
Methyl iodide		109.4	68.8	116.4
Carbon disulfide		103.9	63.8	137.4
tert-Methyl butyl ether (MTBE)		98.9	73.2	122.4
Acrylonitrile		93.5	69.9	128.9
2-Butanone (MEK)		91.7	44.0	134.4
Dichlorodifluoromethane		102.9	10.0	222.8
Chloromethane		83.9	23.8	166.5
Vinyl chloride		99.1	43.5	149.1
Bromomethane		87.2	56.8	151.3
Chloroethane		95.8	53.4	149.4
Trichlorofluoromethane		103.6	59.7	151.8
1,1-Dichloroethene		103.6	69.6	139.4

Organics - Volatiles, Prep Batch ID: VF250924W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike (MS) (continued)

Lab Sample ID: 250924B11.7920602M, Parent Sample ID: S79206.01

Run in Batch: 250924B11, Run Date: 09/24/2025 23:54, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Methylene chloride		100.8	73.3	121.1
trans-1,2-Dichloroethene		102.6	73.6	129.3
1,1-Dichloroethane		102.2	71.5	126.2
cis-1,2-Dichloroethene		103.3	76.6	122.1
Tetrahydrofuran		84.4	59.0	117.9
Chloroform		102.2	78.4	124.0
Bromochloromethane		104.1	78.2	120.8
1,1,1-Trichloroethane		106.3	79.4	130.9
4-Methyl-2-pentanone (MIBK)		86.1	71.6	125.2
2-Hexanone		89.2	55.4	136.9
Carbon tetrachloride		106.9	72.6	133.0
Benzene		100.8	79.9	124.9
1,2-Dichloroethane		100.5	76.0	126.3
Trichloroethene		103.7	79.7	124.2
1,2-Dichloropropane		98.4	78.6	126.4
Bromodichloromethane		101.8	80.4	128.2
Dibromomethane		104.3	76.9	122.1
cis-1,3-Dichloropropene		94.7	79.8	129.9
Toluene		100.4	79.8	124.5
trans-1,3-Dichloropropene		93.2	74.0	131.3
1,1,2-Trichloroethane		98.2	78.7	123.1
Tetrachloroethene		102.8	74.5	124.5
trans-1,4-Dichloro-2-butene	*	54.6	68.6	135.4
Dibromochloromethane		103.4	74.6	127.2
1,2-Dibromoethane		101.2	70.3	133.7
Chlorobenzene		103.5	79.2	122.7
1,1,1,2-Tetrachloroethane		104.5	80.3	128.2
Ethylbenzene		102.3	79.5	129.1
p,m-Xylene		103.2	79.4	132.2
o-Xylene		102.7	80.2	131.0
Styrene		102.3	69.5	126.7
Isopropylbenzene		102.8	74.4	121.5
Bromoform		101.1	69.4	128.0
1,1,2,2-Tetrachloroethane		100.8	79.8	126.3
1,2,3-Trichloropropane		100.7	78.3	138.8
n-Propylbenzene		101.7	82.0	130.7
Bromobenzene		105.5	78.7	124.6
1,3,5-Trimethylbenzene		105.1	81.3	128.9
tert-Butylbenzene		101.8	80.7	128.9
1,2,4-Trimethylbenzene		104.6	81.4	130.8
sec-Butylbenzene		99.1	77.4	129.8
p-Isopropyltoluene		100.5	79.8	137.5
1,3-Dichlorobenzene		105.0	77.0	131.3
1,4-Dichlorobenzene		103.6	20.7	137.7
1,2-Dichlorobenzene		104.6	10.0	166.2
1,2,3-Trimethylbenzene		99.8	76.3	124.2

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike (MS) (continued)

Lab Sample ID: 250924B11.7920602M, Parent Sample ID: S79206.01

Run in Batch: 250924B11, Run Date: 09/24/2025 23:54, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
n-Butylbenzene		97.4	80.0	133.3
Hexachloroethane		101.9	23.8	138.1
1,2-Dibromo-3-chloropropane		103.6	21.2	189.4
1,2,4-Trichlorobenzene		104.1	27.4	143.4
1,2,3-Trichlorobenzene		107.9	75.4	131.4
Naphthalene		110.1	32.9	135.8
2-Methylnaphthalene		117.2	25.5	165.5

Matrix Spike Duplicate (MSD)

Lab Sample ID: 250924B11.7920603N, Parent Sample ID: 250924B11.7920602M

Run in Batch: 250924B11, Run Date: 09/25/2025 00:17, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		99.9	67.4	121.2	2.0	30.0
Acetone		92.0	29.9	161.5	0.6	30.0
Methyl iodide		100.5	68.8	116.4	8.4	30.0
Carbon disulfide		101.1	63.8	137.4	2.7	30.0
tert-Methyl butyl ether (MTBE)		99.7	73.2	122.4	0.8	30.0
Acrylonitrile		94.9	69.9	128.9	1.5	30.0
2-Butanone (MEK)		91.2	44.0	134.4	0.4	30.0
Dichlorodifluoromethane		103.9	10.0	222.8	1.0	30.0
Chloromethane		83.1	23.8	166.5	0.9	30.0
Vinyl chloride		95.1	43.5	149.1	4.1	30.0
Bromomethane		87.2	56.8	151.3	0.0	30.0
Chloroethane		96.4	53.4	149.4	0.6	30.0
Trichlorofluoromethane		102.3	59.7	151.8	1.3	30.0
1,1-Dichloroethene		100.5	69.6	139.4	3.1	30.0
Methylene chloride		100.1	73.3	121.1	0.7	30.0
trans-1,2-Dichloroethene		103.3	73.6	129.3	0.6	30.0
1,1-Dichloroethane		102.0	71.5	126.2	0.2	30.0
cis-1,2-Dichloroethene		101.1	76.6	122.1	2.1	30.0
Tetrahydrofuran		86.5	59.0	117.9	2.4	30.0
Chloroform		102.7	78.4	124.0	0.5	30.0
Bromochloromethane		103.0	78.2	120.8	1.1	30.0
1,1,1-Trichloroethane		105.5	79.4	130.9	0.7	30.0
4-Methyl-2-pentanone (MIBK)		86.6	71.6	125.2	0.5	30.0
2-Hexanone		94.2	55.4	136.9	5.2	30.0
Carbon tetrachloride		106.5	72.6	133.0	0.4	30.0
Benzene		101.7	79.9	124.9	1.0	30.0
1,2-Dichloroethane		100.4	76.0	126.3	0.1	30.0
Trichloroethene		102.7	79.7	124.2	0.9	30.0
1,2-Dichloropropane		100.2	78.6	126.4	1.8	30.0
Bromodichloromethane		102.2	80.4	128.2	0.3	30.0
Dibromomethane		107.8	76.9	122.1	3.3	30.0
cis-1,3-Dichloropropene		95.7	79.8	129.9	1.1	30.0
Toluene		100.2	79.8	124.5	0.3	30.0
trans-1,3-Dichloropropene		95.0	74.0	131.3	1.9	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250924W4 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike Duplicate (MSD) (continued)

Lab Sample ID: 250924B11.7920603N, Parent Sample ID: 250924B11.7920602M

Run in Batch: 250924B11, Run Date: 09/25/2025 00:17, Prep Date: 09/24/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,2-Trichloroethane		97.1	78.7	123.1	1.1	30.0
Tetrachloroethene		102.9	74.5	124.5	0.1	30.0
trans-1,4-Dichloro-2-butene	*	53.5	68.6	135.4	2.2	30.0
Dibromochloromethane		106.6	74.6	127.2	3.0	30.0
1,2-Dibromoethane		105.6	70.3	133.7	4.2	30.0
Chlorobenzene		105.3	79.2	122.7	1.6	30.0
1,1,1,2-Tetrachloroethane		108.8	80.3	128.2	4.0	30.0
Ethylbenzene		104.7	79.5	129.1	2.4	30.0
p,m-Xylene		105.4	79.4	132.2	2.2	30.0
o-Xylene		105.4	80.2	131.0	2.6	30.0
Styrene		104.2	69.5	126.7	1.8	30.0
Isopropylbenzene		103.6	74.4	121.5	0.8	30.0
Bromoform		104.3	69.4	128.0	3.1	30.0
1,1,2,2-Tetrachloroethane		105.5	79.8	126.3	4.6	30.0
1,2,3-Trichloropropane		103.6	78.3	138.8	2.9	30.0
n-Propylbenzene		102.4	82.0	130.7	0.6	30.0
Bromobenzene		109.5	78.7	124.6	3.7	30.0
1,3,5-Trimethylbenzene		105.3	81.3	128.9	0.2	30.0
tert-Butylbenzene		102.8	80.7	128.9	1.0	30.0
1,2,4-Trimethylbenzene		105.2	81.4	130.8	0.6	30.0
sec-Butylbenzene		97.5	77.4	129.8	1.6	30.0
p-Isopropyltoluene		99.6	79.8	137.5	0.9	30.0
1,3-Dichlorobenzene		102.9	77.0	131.3	2.0	30.0
1,4-Dichlorobenzene		103.8	20.7	137.7	0.2	30.0
1,2-Dichlorobenzene		104.7	10.0	166.2	0.1	30.0
1,2,3-Trimethylbenzene		98.5	76.3	124.2	1.3	30.0
n-Butylbenzene		95.4	80.0	133.3	2.1	30.0
Hexachloroethane		102.1	23.8	138.1	0.2	30.0
1,2-Dibromo-3-chloropropane		102.2	21.2	189.4	1.4	30.0
1,2,4-Trichlorobenzene		103.5	27.4	143.4	0.6	30.0
1,2,3-Trichlorobenzene		108.8	75.4	131.4	0.9	30.0
Naphthalene		109.9	32.9	135.8	0.1	30.0
2-Methylnaphthalene		124.2	25.5	165.5	5.8	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250925W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250925A11.BLKW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 14:11, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Diethyl ether		ND	1.00	ug/l
Acetone		ND	10.00	ug/l
Methyl iodide		ND	1.00	ug/l
Carbon disulfide		ND	1.00	ug/l
tert-Methyl butyl ether (MTBE)		ND	1.00	ug/l
Acrylonitrile		ND	1.00	ug/l
2-Butanone (MEK)		ND	10.00	ug/l
Dichlorodifluoromethane		ND	1.00	ug/l
Chloromethane		ND	1.00	ug/l
Vinyl chloride		ND	1.00	ug/l
Bromomethane		ND	1.00	ug/l
Chloroethane		ND	1.00	ug/l
Trichlorofluoromethane		ND	1.00	ug/l
1,1-Dichloroethene		ND	1.00	ug/l
Methylene chloride		ND	1.00	ug/l
trans-1,2-Dichloroethene		ND	1.00	ug/l
1,1-Dichloroethane		ND	1.00	ug/l
cis-1,2-Dichloroethene		ND	1.00	ug/l
Tetrahydrofuran		ND	10.00	ug/l
Chloroform		ND	1.00	ug/l
Bromochloromethane		ND	1.00	ug/l
1,1,1-Trichloroethane		ND	1.00	ug/l
4-Methyl-2-pentanone (MIBK)		ND	10.00	ug/l
2-Hexanone		ND	10.00	ug/l
Carbon tetrachloride		ND	1.00	ug/l
Benzene		ND	1.00	ug/l
1,2-Dichloroethane		ND	1.00	ug/l
Trichloroethene		ND	1.00	ug/l
1,2-Dichloropropane		ND	1.00	ug/l
Bromodichloromethane		ND	1.00	ug/l
Dibromomethane		ND	1.00	ug/l
cis-1,3-Dichloropropene		ND	1.00	ug/l
Toluene		ND	1.00	ug/l
trans-1,3-Dichloropropene		ND	1.00	ug/l
1,1,2-Trichloroethane		ND	1.00	ug/l
Tetrachloroethene		ND	1.00	ug/l
trans-1,4-Dichloro-2-butene		ND	1.00	ug/l
Dibromochloromethane		ND	1.00	ug/l
1,2-Dibromoethane		ND	1.00	ug/l
Chlorobenzene		ND	1.00	ug/l
1,1,1,2-Tetrachloroethane		ND	1.00	ug/l
Ethylbenzene		ND	1.00	ug/l
p,m-Xylene		ND	2.00	ug/l
o-Xylene		ND	1.00	ug/l
Styrene		ND	1.00	ug/l
Isopropylbenzene		ND	1.00	ug/l

Organics - Volatiles, Prep Batch ID: VF250925W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK) (continued)

Lab Sample ID: 250925A11.BLKW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 14:11, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Bromoform		ND	1.00	ug/l
1,1,2,2-Tetrachloroethane		ND	1.00	ug/l
1,2,3-Trichloropropane		ND	1.00	ug/l
n-Propylbenzene		ND	1.00	ug/l
Bromobenzene		ND	1.00	ug/l
1,3,5-Trimethylbenzene		ND	1.00	ug/l
tert-Butylbenzene		ND	1.00	ug/l
1,2,4-Trimethylbenzene		ND	1.00	ug/l
sec-Butylbenzene		ND	1.00	ug/l
p-Isopropyltoluene		ND	1.00	ug/l
1,3-Dichlorobenzene		ND	1.00	ug/l
1,4-Dichlorobenzene		ND	1.00	ug/l
1,2-Dichlorobenzene		ND	1.00	ug/l
1,2,3-Trimethylbenzene		ND	1.00	ug/l
n-Butylbenzene		ND	1.00	ug/l
Hexachloroethane		ND	1.00	ug/l
1,2-Dibromo-3-chloropropane		ND	1.00	ug/l
1,2,4-Trichlorobenzene		ND	1.00	ug/l
1,2,3-Trichlorobenzene		ND	1.00	ug/l
Naphthalene		ND	1.00	ug/l
2-Methylnaphthalene		ND	1.00	ug/l

Laboratory Control Sample (LCS)

Lab Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 12:36, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		99.8	67.4	121.2
Acetone		79.4	29.9	161.5
Methyl iodide		105.1	68.8	116.4
Carbon disulfide		102.5	63.8	137.4
tert-Methyl butyl ether (MTBE)		95.8	73.2	122.4
Acrylonitrile		84.9	69.9	128.9
2-Butanone (MEK)		77.2	44.0	134.4
Dichlorodifluoromethane		105.2	10.0	222.8
Chloromethane		87.8	23.8	166.5
Vinyl chloride		96.5	43.5	149.1
Bromomethane		97.0	56.8	151.3
Chloroethane		94.9	53.4	149.4
Trichlorofluoromethane		102.2	59.7	151.8
1,1-Dichloroethene		100.7	69.6	139.4
Methylene chloride		99.8	73.3	121.1
trans-1,2-Dichloroethene		102.1	73.6	129.3
1,1-Dichloroethane		101.8	71.5	126.2
cis-1,2-Dichloroethene		102.5	76.6	122.1
Tetrahydrofuran		71.3	59.0	117.9
Chloroform		102.6	78.4	124.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250925W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 12:36, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Bromochloromethane		104.5	78.2	120.8
1,1,1-Trichloroethane		105.5	79.4	130.9
4-Methyl-2-pentanone (MIBK)		81.4	71.6	125.2
2-Hexanone		81.5	55.4	136.9
Carbon tetrachloride		107.4	72.6	133.0
Benzene		102.9	79.9	124.9
1,2-Dichloroethane		102.1	76.0	126.3
Trichloroethene		105.0	79.7	124.2
1,2-Dichloropropane		99.0	78.6	126.4
Bromodichloromethane		104.9	80.4	128.2
Dibromomethane		106.6	76.9	122.1
cis-1,3-Dichloropropene		102.9	79.8	129.9
Toluene		101.4	79.8	124.5
trans-1,3-Dichloropropene		102.3	74.0	131.3
1,1,2-Trichloroethane		98.0	78.7	123.1
Tetrachloroethene		106.8	74.5	124.5
trans-1,4-Dichloro-2-butene		89.1	68.6	135.4
Dibromochloromethane		109.5	74.6	127.2
1,2-Dibromoethane		104.1	70.3	133.7
Chlorobenzene		107.3	79.2	122.7
1,1,1,2-Tetrachloroethane		110.1	80.3	128.2
Ethylbenzene		105.9	79.5	129.1
p,m-Xylene		107.6	79.4	132.2
o-Xylene		107.7	80.2	131.0
Styrene		106.8	69.5	126.7
Isopropylbenzene		107.5	74.4	121.5
Bromoform		102.5	69.4	128.0
1,1,2,2-Tetrachloroethane		96.0	79.8	126.3
1,2,3-Trichloropropane		96.2	78.3	138.8
n-Propylbenzene		105.8	82.0	130.7
Bromobenzene		110.8	78.7	124.6
1,3,5-Trimethylbenzene		109.1	81.3	128.9
tert-Butylbenzene		107.2	80.7	128.9
1,2,4-Trimethylbenzene		107.5	81.4	130.8
sec-Butylbenzene		104.1	77.4	129.8
p-Isopropyltoluene		105.6	79.8	137.5
1,3-Dichlorobenzene		105.7	77.0	131.3
1,4-Dichlorobenzene		104.3	20.7	137.7
1,2-Dichlorobenzene		104.2	10.0	166.2
1,2,3-Trimethylbenzene		102.6	76.3	124.2
n-Butylbenzene		102.6	80.0	133.3
Hexachloroethane		105.2	23.8	138.1
1,2-Dibromo-3-chloropropane		88.4	21.2	189.4
1,2,4-Trichlorobenzene		103.3	27.4	143.4
1,2,3-Trichlorobenzene		99.3	75.4	131.4
Naphthalene		93.0	32.9	135.8

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250925W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 12:36, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
2-Methylnaphthalene		86.5	25.5	165.5

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250925A11.LCSDW25A, Parent Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 13:00, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		99.5	67.4	121.2	0.3	30.0
Acetone		88.3	29.9	161.5	10.6	30.0
Methyl iodide		99.4	68.8	116.4	5.6	30.0
Carbon disulfide		93.2	63.8	137.4	9.6	30.0
tert-Methyl butyl ether (MTBE)		99.0	73.2	122.4	3.3	30.0
Acrylonitrile		93.4	69.9	128.9	9.5	30.0
2-Butanone (MEK)		94.4	44.0	134.4	20.0	30.0
Dichlorodifluoromethane		98.7	10.0	222.8	6.3	30.0
Chloromethane		85.1	23.8	166.5	3.2	30.0
Vinyl chloride		90.7	43.5	149.1	6.2	30.0
Bromomethane		89.9	56.8	151.3	7.6	30.0
Chloroethane		92.2	53.4	149.4	2.9	30.0
Trichlorofluoromethane		96.1	59.7	151.8	6.2	30.0
1,1-Dichloroethene		94.9	69.6	139.4	6.0	30.0
Methylene chloride		97.2	73.3	121.1	2.7	30.0
trans-1,2-Dichloroethene		96.1	73.6	129.3	6.1	30.0
1,1-Dichloroethane		97.2	71.5	126.2	4.6	30.0
cis-1,2-Dichloroethene		98.6	76.6	122.1	3.8	30.0
Tetrahydrofuran		87.3	59.0	117.9	20.1	30.0
Chloroform		98.9	78.4	124.0	3.7	30.0
Bromochloromethane		100.5	78.2	120.8	3.9	30.0
1,1,1-Trichloroethane		100.4	79.4	130.9	5.0	30.0
4-Methyl-2-pentanone (MIBK)		94.4	71.6	125.2	14.7	30.0
2-Hexanone		93.8	55.4	136.9	14.1	30.0
Carbon tetrachloride		101.2	72.6	133.0	6.0	30.0
Benzene		99.0	79.9	124.9	3.9	30.0
1,2-Dichloroethane		101.0	76.0	126.3	1.0	30.0
Trichloroethene		100.3	79.7	124.2	4.6	30.0
1,2-Dichloropropane		98.3	78.6	126.4	0.7	30.0
Bromodichloromethane		102.2	80.4	128.2	2.6	30.0
Dibromomethane		106.6	76.9	122.1	0.0	30.0
cis-1,3-Dichloropropene		101.2	79.8	129.9	1.6	30.0
Toluene		98.2	79.8	124.5	3.2	30.0
trans-1,3-Dichloropropene		100.7	74.0	131.3	1.6	30.0
1,1,2-Trichloroethane		97.8	78.7	123.1	0.2	30.0
Tetrachloroethene		100.0	74.5	124.5	6.5	30.0
trans-1,4-Dichloro-2-butene		99.0	68.6	135.4	10.5	30.0
Dibromochloromethane		108.2	74.6	127.2	1.2	30.0
1,2-Dibromoethane		106.9	70.3	133.7	2.6	30.0
Chlorobenzene		105.7	79.2	122.7	1.6	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250925W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250925A11.LCSDW25A, Parent Sample ID: 250925A11.LCSW25A

Run in Batch: 250925A11, Run Date: 09/25/2025 13:00, Prep Date: 09/25/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,1,2-Tetrachloroethane		109.0	80.3	128.2	1.0	30.0
Ethylbenzene		104.1	79.5	129.1	1.7	30.0
p,m-Xylene		104.9	79.4	132.2	2.6	30.0
o-Xylene		106.0	80.2	131.0	1.6	30.0
Styrene		105.5	69.5	126.7	1.2	30.0
Isopropylbenzene		104.9	74.4	121.5	2.5	30.0
Bromoform		104.9	69.4	128.0	2.3	30.0
1,1,2,2-Tetrachloroethane		103.6	79.8	126.3	7.6	30.0
1,2,3-Trichloropropane		108.7	78.3	138.8	12.3	30.0
n-Propylbenzene		103.1	82.0	130.7	2.5	30.0
Bromobenzene		109.7	78.7	124.6	1.0	30.0
1,3,5-Trimethylbenzene		107.6	81.3	128.9	1.4	30.0
tert-Butylbenzene		104.8	80.7	128.9	2.3	30.0
1,2,4-Trimethylbenzene		105.6	81.4	130.8	1.8	30.0
sec-Butylbenzene		98.2	77.4	129.8	5.8	30.0
p-Isopropyltoluene		100.6	79.8	137.5	4.8	30.0
1,3-Dichlorobenzene		102.3	77.0	131.3	3.3	30.0
1,4-Dichlorobenzene		96.3	20.7	137.7	8.1	30.0
1,2-Dichlorobenzene		102.8	10.0	166.2	1.3	30.0
1,2,3-Trimethylbenzene		99.5	76.3	124.2	3.0	30.0
n-Butylbenzene		95.7	80.0	133.3	7.0	30.0
Hexachloroethane		102.1	23.8	138.1	3.0	30.0
1,2-Dibromo-3-chloropropane		99.8	21.2	189.4	12.1	30.0
1,2,4-Trichlorobenzene		103.7	27.4	143.4	0.3	30.0
1,2,3-Trichlorobenzene		103.1	75.4	131.4	3.7	30.0
Naphthalene		104.3	32.9	135.8	11.4	30.0
2-Methylnaphthalene		106.4	25.5	165.5	20.7	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250926W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: 250926A11.BLKW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 13:51, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Diethyl ether		ND	1.00	ug/l
Acetone		ND	10.00	ug/l
Methyl iodide		ND	1.00	ug/l
Carbon disulfide		ND	1.00	ug/l
tert-Methyl butyl ether (MTBE)		ND	1.00	ug/l
Acrylonitrile		ND	1.00	ug/l
2-Butanone (MEK)		ND	10.00	ug/l
Dichlorodifluoromethane		ND	1.00	ug/l
Chloromethane		ND	1.00	ug/l
Vinyl chloride		ND	1.00	ug/l
Bromomethane		ND	1.00	ug/l
Chloroethane		ND	1.00	ug/l
Trichlorofluoromethane		ND	1.00	ug/l
1,1-Dichloroethene		ND	1.00	ug/l
Methylene chloride		ND	1.00	ug/l
trans-1,2-Dichloroethene		ND	1.00	ug/l
1,1-Dichloroethane		ND	1.00	ug/l
cis-1,2-Dichloroethene		ND	1.00	ug/l
Tetrahydrofuran		ND	10.00	ug/l
Chloroform		ND	1.00	ug/l
Bromochloromethane		ND	1.00	ug/l
1,1,1-Trichloroethane		ND	1.00	ug/l
4-Methyl-2-pentanone (MIBK)		ND	10.00	ug/l
2-Hexanone		ND	10.00	ug/l
Carbon tetrachloride		ND	1.00	ug/l
Benzene		ND	1.00	ug/l
1,2-Dichloroethane		ND	1.00	ug/l
Trichloroethene		ND	1.00	ug/l
1,2-Dichloropropane		ND	1.00	ug/l
Bromodichloromethane		ND	1.00	ug/l
Dibromomethane		ND	1.00	ug/l
cis-1,3-Dichloropropene		ND	1.00	ug/l
Toluene		ND	1.00	ug/l
trans-1,3-Dichloropropene		ND	1.00	ug/l
1,1,2-Trichloroethane		ND	1.00	ug/l
Tetrachloroethene		ND	1.00	ug/l
trans-1,4-Dichloro-2-butene		ND	1.00	ug/l
Dibromochloromethane		ND	1.00	ug/l
1,2-Dibromoethane		ND	1.00	ug/l
Chlorobenzene		ND	1.00	ug/l
1,1,1,2-Tetrachloroethane		ND	1.00	ug/l
Ethylbenzene		ND	1.00	ug/l
p,m-Xylene		ND	2.00	ug/l
o-Xylene		ND	1.00	ug/l
Styrene		ND	1.00	ug/l
Isopropylbenzene		ND	1.00	ug/l

Organics - Volatiles, Prep Batch ID: VF250926W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK) (continued)

Lab Sample ID: 250926A11.BLKW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 13:51, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Bromoform		ND	1.00	ug/l
1,1,2,2-Tetrachloroethane		ND	1.00	ug/l
1,2,3-Trichloropropane		ND	1.00	ug/l
n-Propylbenzene		ND	1.00	ug/l
Bromobenzene		ND	1.00	ug/l
1,3,5-Trimethylbenzene		ND	1.00	ug/l
tert-Butylbenzene		ND	1.00	ug/l
1,2,4-Trimethylbenzene		ND	1.00	ug/l
sec-Butylbenzene		ND	1.00	ug/l
p-Isopropyltoluene		ND	1.00	ug/l
1,3-Dichlorobenzene		ND	1.00	ug/l
1,4-Dichlorobenzene		ND	1.00	ug/l
1,2-Dichlorobenzene		ND	1.00	ug/l
1,2,3-Trimethylbenzene		ND	1.00	ug/l
n-Butylbenzene		ND	1.00	ug/l
Hexachloroethane		ND	1.00	ug/l
1,2-Dibromo-3-chloropropane		ND	1.00	ug/l
1,2,4-Trichlorobenzene		ND	1.00	ug/l
1,2,3-Trichlorobenzene		ND	1.00	ug/l
Naphthalene		ND	1.00	ug/l
2-Methylnaphthalene		ND	1.00	ug/l

Laboratory Control Sample (LCS)

Lab Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:16, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Diethyl ether		100.8	67.4	121.2
Acetone		84.7	29.9	161.5
Methyl iodide		103.3	68.8	116.4
Carbon disulfide		96.9	63.8	137.4
tert-Methyl butyl ether (MTBE)		95.6	73.2	122.4
Acrylonitrile		87.1	69.9	128.9
2-Butanone (MEK)		77.6	44.0	134.4
Dichlorodifluoromethane		100.5	10.0	222.8
Chloromethane		89.2	23.8	166.5
Vinyl chloride		92.7	43.5	149.1
Bromomethane		93.0	56.8	151.3
Chloroethane		94.8	53.4	149.4
Trichlorofluoromethane		98.2	59.7	151.8
1,1-Dichloroethene		97.6	69.6	139.4
Methylene chloride		102.9	73.3	121.1
trans-1,2-Dichloroethene		99.6	73.6	129.3
1,1-Dichloroethane		100.0	71.5	126.2
cis-1,2-Dichloroethene		101.5	76.6	122.1
Tetrahydrofuran		74.1	59.0	117.9
Chloroform		103.1	78.4	124.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250926W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:16, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Bromochloromethane		106.2	78.2	120.8
1,1,1-Trichloroethane		103.7	79.4	130.9
4-Methyl-2-pentanone (MIBK)		82.9	71.6	125.2
2-Hexanone		80.3	55.4	136.9
Carbon tetrachloride		103.4	72.6	133.0
Benzene		102.6	79.9	124.9
1,2-Dichloroethane		104.4	76.0	126.3
Trichloroethene		102.3	79.7	124.2
1,2-Dichloropropane		99.7	78.6	126.4
Bromodichloromethane		105.9	80.4	128.2
Dibromomethane		107.5	76.9	122.1
cis-1,3-Dichloropropene		103.0	79.8	129.9
Toluene		102.0	79.8	124.5
trans-1,3-Dichloropropene		102.1	74.0	131.3
1,1,2-Trichloroethane		98.0	78.7	123.1
Tetrachloroethene		103.0	74.5	124.5
trans-1,4-Dichloro-2-butene		83.6	68.6	135.4
Dibromochloromethane		109.1	74.6	127.2
1,2-Dibromoethane		104.0	70.3	133.7
Chlorobenzene		107.0	79.2	122.7
1,1,1,2-Tetrachloroethane		110.8	80.3	128.2
Ethylbenzene		106.6	79.5	129.1
p,m-Xylene		107.2	79.4	132.2
o-Xylene		108.4	80.2	131.0
Styrene		107.1	69.5	126.7
Isopropylbenzene		106.0	74.4	121.5
Bromoform		104.4	69.4	128.0
1,1,2,2-Tetrachloroethane		99.4	79.8	126.3
1,2,3-Trichloropropane		97.7	78.3	138.8
n-Propylbenzene		103.6	82.0	130.7
Bromobenzene		109.4	78.7	124.6
1,3,5-Trimethylbenzene		107.7	81.3	128.9
tert-Butylbenzene		105.8	80.7	128.9
1,2,4-Trimethylbenzene		106.8	81.4	130.8
sec-Butylbenzene		99.4	77.4	129.8
p-Isopropyltoluene		101.1	79.8	137.5
1,3-Dichlorobenzene		104.1	77.0	131.3
1,4-Dichlorobenzene		102.2	20.7	137.7
1,2-Dichlorobenzene		103.0	10.0	166.2
1,2,3-Trimethylbenzene		97.3	76.3	124.2
n-Butylbenzene		96.3	80.0	133.3
Hexachloroethane		101.6	23.8	138.1
1,2-Dibromo-3-chloropropane		91.8	21.2	189.4
1,2,4-Trichlorobenzene		101.6	27.4	143.4
1,2,3-Trichlorobenzene		97.8	75.4	131.4
Naphthalene		94.7	32.9	135.8

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250926W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:16, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
2-Methylnaphthalene		85.8	25.5	165.5

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 250926A11.LCSDW26A, Parent Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:40, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Diethyl ether		104.5	67.4	121.2	3.6	30.0
Acetone		91.8	29.9	161.5	8.1	30.0
Methyl iodide		113.4	68.8	116.4	9.3	30.0
Carbon disulfide		95.9	63.8	137.4	1.1	30.0
tert-Methyl butyl ether (MTBE)		100.4	73.2	122.4	4.9	30.0
Acrylonitrile		96.9	69.9	128.9	10.6	30.0
2-Butanone (MEK)		87.5	44.0	134.4	12.1	30.0
Dichlorodifluoromethane		98.7	10.0	222.8	1.8	30.0
Chloromethane		89.7	23.8	166.5	0.6	30.0
Vinyl chloride		92.7	43.5	149.1	0.0	30.0
Bromomethane		90.8	56.8	151.3	2.4	30.0
Chloroethane		95.1	53.4	149.4	0.3	30.0
Trichlorofluoromethane		98.9	59.7	151.8	0.7	30.0
1,1-Dichloroethene		97.5	69.6	139.4	0.2	30.0
Methylene chloride		102.9	73.3	121.1	0.0	30.0
trans-1,2-Dichloroethene		99.2	73.6	129.3	0.5	30.0
1,1-Dichloroethane		102.4	71.5	126.2	2.4	30.0
cis-1,2-Dichloroethene		102.8	76.6	122.1	1.3	30.0
Tetrahydrofuran		88.4	59.0	117.9	17.6	30.0
Chloroform		104.6	78.4	124.0	1.5	30.0
Bromochloromethane		109.5	78.2	120.8	3.0	30.0
1,1,1-Trichloroethane		103.6	79.4	130.9	0.1	30.0
4-Methyl-2-pentanone (MIBK)		93.3	71.6	125.2	11.7	30.0
2-Hexanone		91.5	55.4	136.9	13.1	30.0
Carbon tetrachloride		102.2	72.6	133.0	1.2	30.0
Benzene		102.3	79.9	124.9	0.3	30.0
1,2-Dichloroethane		105.5	76.0	126.3	1.0	30.0
Trichloroethene		102.9	79.7	124.2	0.5	30.0
1,2-Dichloropropane		100.1	78.6	126.4	0.4	30.0
Bromodichloromethane		106.8	80.4	128.2	0.9	30.0
Dibromomethane		110.5	76.9	122.1	2.7	30.0
cis-1,3-Dichloropropene		104.3	79.8	129.9	1.3	30.0
Toluene		101.6	79.8	124.5	0.4	30.0
trans-1,3-Dichloropropene		105.2	74.0	131.3	2.9	30.0
1,1,2-Trichloroethane		101.1	78.7	123.1	3.1	30.0
Tetrachloroethene		101.5	74.5	124.5	1.5	30.0
trans-1,4-Dichloro-2-butene		95.4	68.6	135.4	13.1	30.0
Dibromochloromethane		109.1	74.6	127.2	0.0	30.0
1,2-Dibromoethane		107.8	70.3	133.7	3.6	30.0
Chlorobenzene		106.4	79.2	122.7	0.5	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: VF250926W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 250926A11.LCSDW26A, Parent Sample ID: 250926A11.LCSW26A

Run in Batch: 250926A11, Run Date: 09/26/2025 12:40, Prep Date: 09/26/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,1,1,2-Tetrachloroethane		109.8	80.3	128.2	0.9	30.0
Ethylbenzene		104.6	79.5	129.1	1.8	30.0
p,m-Xylene		103.6	79.4	132.2	3.4	30.0
o-Xylene		107.1	80.2	131.0	1.2	30.0
Styrene		106.1	69.5	126.7	1.0	30.0
Isopropylbenzene		103.7	74.4	121.5	2.3	30.0
Bromoform		107.7	69.4	128.0	3.2	30.0
1,1,2,2-Tetrachloroethane		105.6	79.8	126.3	6.1	30.0
1,2,3-Trichloropropane		107.2	78.3	138.8	9.2	30.0
n-Propylbenzene		103.2	82.0	130.7	0.4	30.0
Bromobenzene		111.1	78.7	124.6	1.6	30.0
1,3,5-Trimethylbenzene		107.6	81.3	128.9	0.0	30.0
tert-Butylbenzene		104.1	80.7	128.9	1.6	30.0
1,2,4-Trimethylbenzene		106.3	81.4	130.8	0.4	30.0
sec-Butylbenzene		97.1	77.4	129.8	2.3	30.0
p-Isopropyltoluene		100.9	79.8	137.5	0.2	30.0
1,3-Dichlorobenzene		103.9	77.0	131.3	0.2	30.0
1,4-Dichlorobenzene		105.2	20.7	137.7	2.9	30.0
1,2-Dichlorobenzene		104.8	10.0	166.2	1.7	30.0
1,2,3-Trimethylbenzene		98.0	76.3	124.2	0.7	30.0
n-Butylbenzene		95.8	80.0	133.3	0.5	30.0
Hexachloroethane		98.6	23.8	138.1	2.9	30.0
1,2-Dibromo-3-chloropropane		102.8	21.2	189.4	11.3	30.0
1,2,4-Trichlorobenzene		107.5	27.4	143.4	5.7	30.0
1,2,3-Trichlorobenzene		106.9	75.4	131.4	9.0	30.0
Naphthalene		105.5	32.9	135.8	10.7	30.0
2-Methylnaphthalene		99.9	25.5	165.5	15.2	30.0

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Hannah Weimann			
COMPANY Applied EIO Systems			
ADDRESS 6 - 41500 South Enginaw Street			
CITY Durham			STATE NC
			ZIP CODE 43529
PHONE NO. 810-715-2525		CELL NO. 810-250-3068	P.O. NO. H
E-MAIL ADDRESS hweimann@appliedeiosystems.com			QUOTE NO.

CONTACT NAME		☐ SAME	
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	E-MAIL ADDRESS		

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME	11-4317-102	SAMPLER(S) - PLEASE PRINT/SIGN NAME	Harold A. Thompson / Harold Thompson
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TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER _____

DELIVERABLES REQUIRED ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☒ OTHER: CREDIT TO MVL

MATRIX	W=WATER	GW=GROUNDWATER	WW=WASTEWATER	S=SOIL	L=LIQUID	SD=SOLID
CODE:	SL=SLUDGE	DW=DRINKING WATER	O=OIL	WP=WIPE	A=AIR	WS=WASTE

Containers & Preservatives[illegible]

RELINQUISHED BY:	<i>Stewart Newman</i>	☐ Sampler	DATE	TIME
SIGNATURE/ORGANIZATION			<i>1/23/15</i>	<i>15:00</i>
RECEIVED BY:	<i>HE Fridge</i>		DATE	TIME
SIGNATURE/ORGANIZATION			<i>1/23/15</i>	<i>15:00</i>
RELINQUISHED BY:			DATE	TIME
SIGNATURE/ORGANIZATION				
RECEIVED BY:	<i>Dora Holmes</i>	<i>09-24-25</i>	DATE	TIME
SIGNATURE/ORGANIZATION			<i>09-24-25</i>	<i>8:30</i>

RELINQUISHED BY: SIGNATURE/ORGANIZATION		Doug Holmes 09-24-25		9:20		TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION		M. Calabro		9/24/25		0920	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	☒ ICE (SOLID)	TEMP. ON ARRIVAL			
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		☐ BLUE ICE 5.0			
			☐ ICE (MELTED)	☐ NONE			

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

TABLE 2
Soil Analytical Results - VOCs and Metals
RACER - Flint West #12990

EGLE Generic Residential Cleanup Criteria							Acetone	Benzene	2-Butanone (MEK)	Chloroform	1,2-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	Isopropyl benzene	p-isopropyltoluene	Methylene chloride	2-Methylnaphthalene	Naphthalene	n-Propylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran
Chemical Abstract Service Number							67-64-1	71-43-2	78-93-3	67-66-3	95-50-1	75-34-3	75-35-4	156-59-2	156-60-5	100-41-4	98-82-8		75-09-2	91-57-6	91-20-3	103-65-1	127-18-4	109-99-9
Drinking Water Protection - Residential							15,000	100	260,000	1,600 (W)	14,000	18,000	140	1,400	2,000	1,500	91,000	NA	100	57,000	35,000	1,600	100	1,900
Drinking Water Protection - Non-Residential							42,000	100	760,000	1,600 (W)	14,000	50,000	140	1,400	2,000	1,500	260,000	NA	100	170,000	100,000	4,600	100	5,400
Groundwater Surface Water Interface Protection							34,000	4,000 (X)	44,000	7,000	280	15,000	2,600	12,000	30,000 (X)	360	3,200	NA	30,000	4,200	730	ID	1,200 (X)	2.2E+5 (X)
Volatilization to Indoor Air - Non-Residential							5.4E+08	8,400	9.9E+7 (C)	38,000	2.0E+07	430,000	330	41,000	43,000	460,000	730,000	NA	240,000	4.9E+06	470,000	ID	21,000	2.4E+06
Volatilization to Ambient Air - Non-Residential							1.6E+08	230,000	3.5E+07	150,000	4.6E+07	2.5E+06	3,700	210,000	330,000	6.5E+06	2.0E+06	NA	700,000	1.8E+06	350,000	ID	210,000	1.5E+07
Particulate Soil Inhalation - Residential							3.9E+11	3.8E+08	6.7E+10	1.3E+09	1.0E+11	3.3E+10	6.2E+07	2.3E+09	4.7E+09	1.0E+10	5.8E+09	NA	6.6E+09	6.7E+08	2.0E+08	1.3E+09	2.7E+09	3.9E+11
Particulate Soil Inhalation - Non-Residential							1.7E+11	4.7E+08	2.9E+10	1.6E+09	4.4E+10	1.5E+10	7.8E+07	1.0E+09	2.1E+09	1.3E+10	2.6E+09	NA	8.3E+09	2.9E+08	8.8E+07	5.9E+08	1.2E+09	1.7E+11
Direct Contact - Residential							2.3E+07	180,000	1.2E+8 (C, DD)	1.2E+06	1.9E+07	2.7E+7 (C)	200,000	2.5E+6 (C)	3.8E+06	2.2E+07	2.5E+07	NA	1.3E+06	8.1E+06	1.6E+07	2.5E+06	200,000	2.9E+06
Direct Contact - Non-Residential							7.3E+07	840,000	7.0E+8 (C,DD)	5.5E+6 (C)	6.3E+07	8.7E+7 (C)	660,000 (C)	8.0E+6 (C)	1.2E+07	7.1E+07	8.0E+07	NA	5.8E+06	2.6E+07	5.2E+07	8.0E+06	930,000	9.5E+06
Soil Saturation Concentration Screening Level							1.1E+08	400,000	2.7E+07	1.5E+06	210,000	890,000	570,000	640,000	640,000	140,000	390,000	NA	2.3E+06	NA	NA	10,000,000	88,000	1.2E+08
Statewide Default Background Levels							NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample ID	Sample Depth (feet bgs)	Sample Date	Soil Type	Nearest Well	DTW Range	Below DTW																		
SB-122	15-16	04/30/13	Clay			Yes	ND	ND	ND	ND	ND	ND	ND	1,600	ND	ND	ND	ND	100	ND	ND	ND	ND	ND
SB-123	5-6	04/30/13	Clay	MW-102S	10.2 to 13.70	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65	93	18	345	210	ND	18	ND
SB124-4	4	04/21/14	Sand, Silty	MW-102S	10.2 to 13.70	No	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	11	ND	ND	170
SB124-10	10	04/21/14	Sand, Silty	MW-102S	10.2 to 13.70	No	ND	ND	71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
SB124-21	21	04/21/14	Clay	MW-102S	10.2 to 13.70	Yes	ND	ND	56	ND	ND	ND	ND	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
SB125-4	4	04/21/14	Sand	MW-112S	14.77 to 17.62	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	14	ND	ND	150
SB125-13	13	04/21/14	Clayey Sand	MW-112S	14.77 to 17.62	No	ND	ND	165	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39	17	ND	ND	180
SB125-19	19	04/21/14	Clay	MW-112S	14.77 to 17.62	Yes	ND	ND	79	16	ND	ND	ND	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
SB126-4	4	04/21/14	Sand, Silty	MW-111S	9.12 to 12.33	No	ND	ND	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	14	ND	ND	140
SB126-11	11	04/21/14	Sand, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	190
SB126-15	15	04/21/14	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210
SB127-4	4	04/21/14	Sand, Silty	MW-116S	16.97 to 18.23	No	ND	ND	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	190
SB127-8	8	04/21/14	Sand, Silty	MW-116S	16.97 to 18.23	No	ND	ND	66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
SB127-15	15	04/21/14	Clayey Sand	MW-116S	16.97 to 18.23	No	ND	ND	148	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	14	ND	ND	170
SB127-20	20	04/21/14	Sand	MW-116S	16.97 to 18.23	Yes	ND	ND	126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
SB128-3	3	04/21/14	Clay	MW-112S	14.77 to 17.62	No	ND	ND	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	150
SB128-7	7	04/21/14	Clay	MW-112S	14.77 to 17.62	No	ND	ND	123	ND	21	ND	ND	ND	ND	ND	16	ND	ND	820	346	ND	ND	150
SB128-10	10	04/21/14	Clay	MW-112S	14.77 to 17.62	No	ND	ND	127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	47	ND	ND	140
SB129-4	4	04/22/14	Sand, Silty	MW-102S	10.2 to 13.70	No	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	40	ND	ND	150
SB129-8	8	04/22/14	Clay	MW-102S	10.2 to 13.70	No	ND	ND	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	180
SB129-18	18	04/22/14	Clay	MW-102S	10.2 to 13.70	Yes	ND	ND	82	ND	ND	ND	ND	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
SB130-4	4	04/22/14	Sand	MW-111S	9.12 to 12.33	No	ND	ND	69	ND	ND	ND	ND	ND	ND	15	13	ND	ND	54	52	16	ND	180
SB130-10	10	04/22/14	Sand	MW-111S	9.12 to 12.33	Yes	ND	ND	68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
SB130-18	18	04/22/14	Clay	MW-111S	9.12 to 12.33	Yes	ND	36	70	ND	ND	69	34	6,380	100	ND	ND	ND	ND	ND	ND	ND	ND	160
SB131-4	4	04/22/14	Sand, Silty	MW-111S	9.12 to 12.33	No	ND	ND	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	100	ND	ND	150
SB131-10	10	04/22/14	Clay	MW-111S	9.12 to 12.33	No	ND	ND	65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
SB131-18	18	04/22/14	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	164	ND	ND	35	18	2,820	62	ND	ND	ND	ND	ND	ND	ND	ND	160
SB132-12	12	07/10/14	Clay, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	2,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
SB132-15	15	07/10/14	BR, Shale	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	1,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	300
SB133-17	17	07/10/14	Clay, Silty	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	ND	ND	13	ND	1,990	18	ND	ND	ND	ND	15	ND	ND	ND	150
SB133-19	19	07/10/14	Clay, Silty	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	ND	ND	ND	ND	530	ND	ND	ND	ND	ND	12	ND	ND	ND	160
SB133-20	20	07/10/14	Clay, Silty	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	ND	ND	ND	ND	270	ND	ND	ND	ND	ND	9	ND	ND	ND	117
SB134-18	18	12/22/14	Clay, Silty	MW-110S	8.56 to 10.26	Yes	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	29	37	14	ND	ND
SB134-20	20	12/22/14	Clay, Silty	MW-110S	8.56 to 10.26	Yes	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
Soil Analytical Results - VOCs and Metals
RACER - Flint West #12990

EGLE Generic Residential Cleanup Criteria							Acetone	Benzene	2-Butanone (MEK)	Chloroform	1,2-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethylene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Ethyl benzene	Isopropyl benzene	p-isopropyltoluene	Methylene chloride	2-Methylnaphthalene	Naphthalene	n-Propylbenzene	Tetrachloroethylene (PCE)	Tetrahydrofuran
Chemical Abstract Service Number							67-64-1	71-43-2	78-93-3	67-66-3	95-50-1	75-34-3	75-35-4	156-59-2	156-60-5	100-41-4	98-82-8		75-09-2	91-57-6	91-20-3	103-65-1	127-18-4	109-99-9
Drinking Water Protection - Residential							15,000	100	260,000	1,600 (W)	14,000	18,000	140	1,400	2,000	1,500	91,000	NA	100	57,000	35,000	1,600	100	1,900
Drinking Water Protection - Non-Residential							42,000	100	760,000	1,600 (W)	14,000	50,000	140	1,400	2,000	1,500	260,000	NA	100	170,000	100,000	4,600	100	5,400
Groundwater Surface Water Interface Protection							34,000	4,000 (X)	44,000	7,000	280	15,000	2,600	12,000	30,000 (X)	360	3,200	NA	30,000	4,200	730	ID	1,200 (X)	2.2E+5 (X)
Volatilization to Indoor Air - Non-Residential							5.4E+08	8,400	9.9E+7 (C)	38,000	2.0E+07	430,000	330	41,000	43,000	460,000	730,000	NA	240,000	4.9E+06	470,000	ID	21,000	2.4E+06
Volatilization to Ambient Air - Non-Residential							1.6E+08	230,000	3.5E+07	150,000	4.6E+07	2.5E+06	3,700	210,000	330,000	6.5E+06	2.0E+06	NA	700,000	1.8E+06	350,000	ID	210,000	1.5E+07
Particulate Soil Inhalation - Residential							3.9E+11	3.8E+08	6.7E+10	1.3E+09	1.0E+11	3.3E+10	6.2E+07	2.3E+09	4.7E+09	1.0E+10	5.8E+09	NA	6.6E+09	6.7E+08	2.0E+08	1.3E+09	2.7E+09	3.9E+11
Particulate Soil Inhalation - Non-Residential							1.7E+11	4.7E+08	2.9E+10	1.6E+09	4.4E+10	1.5E+10	7.8E+07	1.0E+09	2.1E+09	1.3E+10	2.6E+09	NA	8.3E+09	2.9E+08	8.8E+07	5.9E+08	1.2E+09	1.7E+11
Direct Contact - Residential							2.3E+07	180,000	1.2E+8 (C, DD)	1.2E+06	1.9E+07	2.7E+7 (C)	200,000	2.5E+6 (C)	3.8E+06	2.2E+07	2.5E+07	NA	1.3E+06	8.1E+06	1.6E+07	2.5E+06	200,000	2.9E+06
Direct Contact - Non-Residential							7.3E+07	840,000	7.0E+8 (C,DD)	5.5E+6 (C)	6.3E+07	8.7E+7 (C)	660,000 (C)	8.0E+6 (C)	1.2E+07	7.1E+07	8.0E+07	NA	5.8E+06	2.6E+07	5.2E+07	8.0E+06	930,000	9.5E+06
Soil Saturation Concentration Screening Level							1.1E+08	400,000	2.7E+07	1.5E+06	210,000	890,000	570,000	640,000	640,000	140,000	390,000	NA	2.3E+06	NA	NA	10,000,000	88,000	1.2E+08
Statewide Default Background Levels							NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample ID	Sample Depth (feet bgs)	Sample Date	Soil Type	Nearest Well	DTW Range	Below DTW																		
SB135-19	19	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	ND	ND	ND	ND	ND	1,100	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB135-21	21	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	ND	ND	ND	ND	ND	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB136-19	19	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	ND	ND	ND	ND	ND	340	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB136-21	21	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	ND	ND	ND	ND	ND	450	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB137-18	18	12/22/14	Clay	MW-114S	8.54 to 10.01	Yes	ND	ND	ND	ND	ND	ND	ND	670	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB137-20.5	20.5	12/22/14	Clay	MW-114S	8.54 to 10.01	Yes	ND	ND	ND	ND	ND	ND	ND	290	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB138-15	15	01/16/19	Sand, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	470	ND	ND	ND	ND	22	ND	ND	ND	ND	174
SB138-18	18	01/16/19	Sand, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	550	13	ND	ND	ND	26	ND	ND	ND	ND	121
SB139-16	16	01/16/19	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	136	ND	ND	1,800	ND	ND	ND	ND	230	ND	ND	ND	ND	1,800
DUP-1	(SB139-16)	01/16/19	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	1,000	ND	ND	ND	ND	210	ND	ND	ND	ND	1,750
SB139-18	18	01/16/19	Clay	MW-111S	9.12 to 12.33	Yes	430	20	ND	ND	ND	90	63	8,850	200	ND	ND	ND	32	ND	ND	ND	ND	180
SB140-16	16	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	2,300	ND	ND	ND	ND	3,500	ND	ND	ND	ND	260	ND	ND	ND	ND	1,800
SB140-19	19	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	ND	ND	ND	ND	150	ND	ND	ND	ND	30	ND	ND	ND	12	155
SB141-16	16	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	27	ND	ND	ND	ND	161
SB141-18	18	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	ND	ND	ND	ND	2,900	ND	ND	ND	ND	25	ND	ND	ND	ND	170
SB141-19	19	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	360	ND	ND	ND	ND	ND	ND	860	ND	ND	ND	ND	26	ND	ND	ND	ND	155

Results in micrograms per kilogram (µg/Kg)

Only compounds detected are included on this summary table. See laboratory reports for additional compounds analyzed.

Footnotes are presented behind the analytical summary tables.

TABLE 2
Soil Analytical Results - VOCs and Metals
RACER - Flint West #12990

EGLE Generic Residential Cleanup Criteria							Toluene	1,2,3-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethylene (TCE)	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes, Total	Arsenic (B)	Chromium, Total (Cr VI criteria)	Copper (B)	Lead (B)	Zinc (B)
Chemical Abstract Service Number							108-88-3	87-61-6	71-55-6	79-01-6	NA	95-63-6	108-67-8	75-01-4	1330-20-7	7440-38-2	7440-47-3	7440-50-8	7439-92-1	7440-66-6
Drinking Water Protection - Residential							16,000	NA	4,000	100		2,100	1,800	40	5,600	4,600	30,000	5.8E+06	700,000	2.4E+06
Drinking Water Protection - Non-Residential							16,000	NA	4,000	100	NA	2,100	1,800	40	5,600	4,600	30,000	5.8E+06	700,000	5.0E+06
Groundwater Surface Water Interface Protection							5,400	NA	1,800	4,000 (X)	NA	570	1,100	260 (X)	980	5,800	3,300	120,000 (G)	9,100,000 (G,X)	47,000 (G)
Volatilization to Indoor Air - Non-Residential							610,000	NA	460,000	1,900	NA	8.0E+06	4.8E+06	2,800	1.2E+07	NLV	NLV	NLV	NLV	NLV
Volatilization to Ambient Air - Non-Residential							3.6E+07	NA	4.5E+06	14,000	NA	6.0E+08	4.6E+08	29,000	1.3E+08	NLV	NLV	NLV	NLV	NLV
Particulate Soil Inhalation - Residential							2.7E+10	NA	6.7E+10	1.3E+08	NA	8.2E+10	8.2E+10	3.5E+08	2.9E+11	720,000	260,000	1.3E+08	1.0E+08	ID
Particulate Soil Inhalation - Non-Residential							1.2E+10	NA	2.9E+10	5.9E+07	NA	3.6E+10	3.6E+10	8.9E+08	1.3E+11	910,000	240,000	5.9E+07	4.4E+07	ID
Direct Contact - Residential							5.0E+07	NA	5.0E+8 (C)	110,000 (DD)	NA	3.2E+07	3.2E+07	3,800	4.1E+08	7,600	2.5E+06	2.0E+07	400,000	1.7E+08
Direct Contact - Non-Residential							1.6E+08	NA	1.0E+9 (C,D)	660,000 (DD,C)	NA	1.0E+08	1.0E+8 C	34,000	1.0E+09	37,000	9.2E+06	7.3E+07	900,000 (DD)	6.3E+08
Soil Saturation Concentration Screening Level							250,000	NA	460,000	500,000	NA	110,000	94,000	490,000	150,000	NA	NA	NA	NA	NA
Statewide Default Background Levels							NA	NA	NA	NA	NA	NA	NA	NA	NA	5,800	18,000	32,000	21,000	47,000
Sample ID	Sample Depth (feet bgs)	Sample Date	Soil Type	Nearest Well	DTW Range	Below DTW														
SB-122	15-16	04/30/13	Clay			Yes	ND	ND	ND	14,400	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB-123	5-6	04/30/13	Clay	MW-102S	10.2 to 13.70	No	ND	ND	ND	41	42	37	29	ND	39	NA	NA	NA	NA	NA
SB124-4	4	04/21/14	Sand, Silty	MW-102S	10.2 to 13.70	No	11	ND	ND	ND	ND	ND	ND	ND	ND	1,130	1,220	1,700	2,510	4,600
SB124-10	10	04/21/14	Sand, Silty	MW-102S	10.2 to 13.70	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	1,460	2,300	0	5,100
SB124-21	21	04/21/14	Clay	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	1,420	ND	ND	ND	ND	ND	1,830	3,350	8,200	7,580	19,000
SB125-4	4	04/21/14	Sand	MW-112S	14.77 to 17.62	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	570	2,050	7,400	13,800	11,400
SB125-13	13	04/21/14	Clayey Sand	MW-112S	14.77 to 17.62	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,440	3,260	6,100	5,100	12,200
SB125-19	19	04/21/14	Clay	MW-112S	14.77 to 17.62	Yes	ND	ND	11	3,650	ND	ND	ND	23	ND	1,410	4,240	11,400	8,590	20,800
SB126-4	4	04/21/14	Sand, Silty	MW-111S	9.12 to 12.33	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300	1,220	3,400	2,280	5,900
SB126-11	11	04/21/14	Sand, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,250	2,920	3,100	3,790	8,600
SB126-15	15	04/21/14	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,180	2,870	5,600	5,470	14,700
SB127-4	4	04/21/14	Sand, Silty	MW-116S	16.97 to 18.23	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	410	1,980	1,600	4,710	3,700
SB127-8	8	04/21/14	Sand, Silty	MW-116S	16.97 to 18.23	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,630	2,560	3,000	5,740	10,300
SB127-15	15	04/21/14	Clayey Sand	MW-116S	16.97 to 18.23	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,060	4,540	5,800	7,330	20,300
SB127-20	20	04/21/14	Sand	MW-116S	16.97 to 18.23	Yes	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,780	610	1,200	950	2,400
SB128-3	3	04/21/14	Clay	MW-112S	14.77 to 17.62	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	1,460	3,900	6,250	6,000
SB128-7	7	04/21/14	Clay	MW-112S	14.77 to 17.62	No	ND	ND	ND	ND	14	ND	ND	ND	ND	1,550	2,860	5,600	11,400	13,200
SB128-10	10	04/21/14	Clay	MW-112S	14.77 to 17.62	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,150	5,890	5,300	6,950	9,900
SB129-4	4	04/22/14	Sand, Silty	MW-102S	10.2 to 13.70	No	13	ND	ND	ND	ND	14	ND	ND	21	2,790	2,550	13,000	104,000	21,300
SB129-8	8	04/22/14	Clay	MW-102S	10.2 to 13.70	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,740	4,080	3,600	6,100	13,100
SB129-18	18	04/22/14	Clay	MW-102S	10.2 to 13.70	Yes	19	ND	33	6,170	ND	ND	ND	ND	ND	1,460	4,730	7,200	7,420	19,200
SB130-4	4	04/22/14	Sand	MW-111S	9.12 to 12.33	No	31	ND	ND	ND	13	24		ND	92	3,580	3,090	17,700	123,000	51,800
SB130-10	10	04/22/14	Sand	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,700	1,150	1,700	2,110	5,800
SB130-18	18	04/22/14	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	6,080	ND	ND	ND	73	ND	1,980	2,770	9,800	6,510	18,000
SB131-4	4	04/22/14	Sand, Silty	MW-111S	9.12 to 12.33	No	45	ND	ND	28	12	22		ND	91	1,630	1,640	8,500	36,400	16,800
SB131-10	10	04/22/14	Clay	MW-111S	9.12 to 12.33	No	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300	2,800	3,100	4,740	13,600
SB131-18	18	04/22/14	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	12,160	ND	ND	ND	90	ND	2,080	2,620	7,980	6,020	18,600
SB132-12	12	07/10/14	Clay, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	29,500	ND	ND	ND	180	ND	NA	NA	NA	NA	NA
SB132-15	15	07/10/14	BR, Shale	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	13,700	ND	ND	ND	89	ND	NA	NA	NA	NA	NA
SB133-17	17	07/10/14	Clay, Silty	MW-102S	10.2 to 13.70	Yes	ND	ND	25	11,680	ND	ND	ND	46	ND	NA	NA	NA	NA	NA
SB133-19	19	07/10/14	Clay, Silty	MW-102S	10.2 to 13.70	Yes	ND	ND	35	16,860	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB133-20	20	07/10/14	Clay, Silty	MW-102S	10.2 to 13.70	Yes	ND	ND	18	7,520	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB134-18	18	12/22/14	Clay, Silty	MW-110S	8.56 to 10.26	Yes	70	ND	ND	ND	ND	ND	ND	ND	85	380	NA	4,500	5,690	5,900
SB134-20	20	12/22/14	Clay, Silty	MW-110S	8.56 to 10.26	Yes	ND	ND	ND	2,040	ND	ND	ND	ND	ND	1,690	NA	3,000	3,380	19,500

TABLE 2
Soil Analytical Results - VOCs and Metals
RACER - Flint West #12990

EGLE Generic Residential Cleanup Criteria							Toluene	1,2,3-Trichlorobenzene	1,1,1-Trichloroethane	Trichloroethylene (TCE)	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes, Total	Arsenic (B)	Chromium, Total (Cr VI criteria)	Copper (B)	Lead (B)	Zinc (B)
Chemical Abstract Service Number							108-88-3	87-61-6	71-55-6	79-01-6	NA	95-63-6	108-67-8	75-01-4	1330-20-7	7440-38-2	7440-47-3	7440-50-8	7439-92-1	7440-66-6
Drinking Water Protection - Residential							16,000	NA	4,000	100		2,100	1,800	40	5,600	4,600	30,000	5.8E+06	700,000	2.4E+06
Drinking Water Protection - Non-Residential							16,000	NA	4,000	100	NA	2,100	1,800	40	5,600	4,600	30,000	5.8E+06	700,000	5.0E+06
Groundwater Surface Water Interface Protection							5,400	NA	1,800	4,000 (X)	NA	570	1,100	260 (X)	980	5,800	3,300	120,000 (G)	9,100,000 (G,X)	47,000 (G)
Volatilization to Indoor Air - Non-Residential							610,000	NA	460,000	1,900	NA	8.0E+06	4.8E+06	2,800	1.2E+07	NLV	NLV	NLV	NLV	NLV
Volatilization to Ambient Air - Non-Residential							3.6E+07	NA	4.5E+06	14,000	NA	6.0E+08	4.6E+08	29,000	1.3E+08	NLV	NLV	NLV	NLV	NLV
Particulate Soil Inhalation - Residential							2.7E+10	NA	6.7E+10	1.3E+08	NA	8.2E+10	8.2E+10	3.5E+08	2.9E+11	720,000	260,000	1.3E+08	1.0E+08	ID
Particulate Soil Inhalation - Non-Residential							1.2E+10	NA	2.9E+10	5.9E+07	NA	3.6E+10	3.6E+10	8.9E+08	1.3E+11	910,000	240,000	5.9E+07	4.4E+07	ID
Direct Contact - Residential							5.0E+07	NA	5.0E+8 (C)	110,000 (DD)	NA	3.2E+07	3.2E+07	3,800	4.1E+08	7,600	2.5E+06	2.0E+07	400,000	1.7E+08
Direct Contact - Non-Residential							1.6E+08	NA	1.0E+9 (C,D)	660,000 (DD,C)	NA	1.0E+08	1.0E+8 C	34,000	1.0E+09	37,000	9.2E+06	7.3E+07	900,000 (DD)	6.3E+08
Soil Saturation Concentration Screening Level							250,000	NA	460,000	500,000	NA	110,000	94,000	490,000	150,000	NA	NA	NA	NA	NA
Statewide Default Background Levels							NA	NA	NA	NA	NA	NA	NA	NA	NA	5,800	18,000	32,000	21,000	47,000
Sample ID	Sample Depth (feet bgs)	Sample Date	Soil Type	Nearest Well	DTW Range	Below DTW														
SB135-19	19	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	ND	7,890	ND	ND	ND	14	ND	1,900	NA	4,000	2,850	17,500
SB135-21	21	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	9	6,540	ND	ND	ND	ND	ND	2,080	NA	3,900	2,890	15,300
SB136-19	19	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	13	8,760	ND	ND	ND	ND	ND	1,870	NA	4,600	3,060	13,600
SB136-21	21	12/22/14	Clay	MW-113S	9.28 to 11.10	Yes	ND	ND	ND	9,390	ND	ND	ND	ND	ND	3,350	NA	4,300	3,740	18,800
SB137-18	18	12/22/14	Clay	MW-114S	8.54 to 10.01	Yes	ND	ND	21	4,250	ND	ND	ND	ND	ND	1,660	NA	4,200	2,810	13,500
SB137-20.5	20.5	12/22/14	Clay	MW-114S	8.54 to 10.01	Yes	ND	ND	ND	ND	ND	ND	ND	56	ND	3,040	NA	4,500	3,240	27,300
SB138-15	15	01/16/19	Sand, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	2,880	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB138-18	18	01/16/19	Sand, Silty	MW-111S	9.12 to 12.33	Yes	ND	ND	7	2,300	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB139-16	16	01/16/19	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	21,000	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
DUP-1	(SB139-16)	01/16/19	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	16,300	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB139-18	18	01/16/19	Clay	MW-111S	9.12 to 12.33	Yes	ND	ND	ND	3,440	ND	ND	ND	42	ND	NA	NA	NA	NA	NA
SB140-16	16	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	130	ND	13,100	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB140-19	19	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	15	2,870	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB141-16	16	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	180	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB141-18	18	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	6,150	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
SB141-19	19	01/16/19	Sand	MW-102S	10.2 to 13.70	Yes	ND	ND	ND	3,370	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA

Results in micrograms per kilogram (µg/Kg)

Only compounds detected are included on this summary table. See laboratory reports for additional compounds analyzed.

Footnotes are presented behind the analytical summary tables.

Footnotes: Analytical Results Table

Format Indicates

DW - Drinking Water Residential Generic Criteria.

GSI - Groundwater Surface Water Interface Generic Criteria per MDEQ Surface Water Division Rule 57.

	Blank cells indicate no detectable concentrations Exceeds DW criteria
X	Exceeds DW criteria
X	Exceeds GSI criteria
X	Exceeds both DW and GSI criteria
NC	Insufficient data to develop criterion/no criterion
G	Groundwater to Surface Water Interface Criteria - calculated based on 257ppm total hardness in the Flint River

Double Underline Concentration exceeding Direct Contact RBSLs.

Red text Detected concentration greater than the Residential or Non-Residential Indoor Air Inhalation RBSL.

Code Definition

TOC	Top of Casing Elevation
DT NAPL	Depth to Non-Aqueous Phase Liquid (NAPL)
DTW	Depth to Water
GW Elev.	Groundwater Elevation
bgs	below ground surface
ND	Not Detected
NA	Not submitted for Analyses, or Not Applicable
NS	Not Sampled on this date
NM	Not Measured/Well Inaccessible

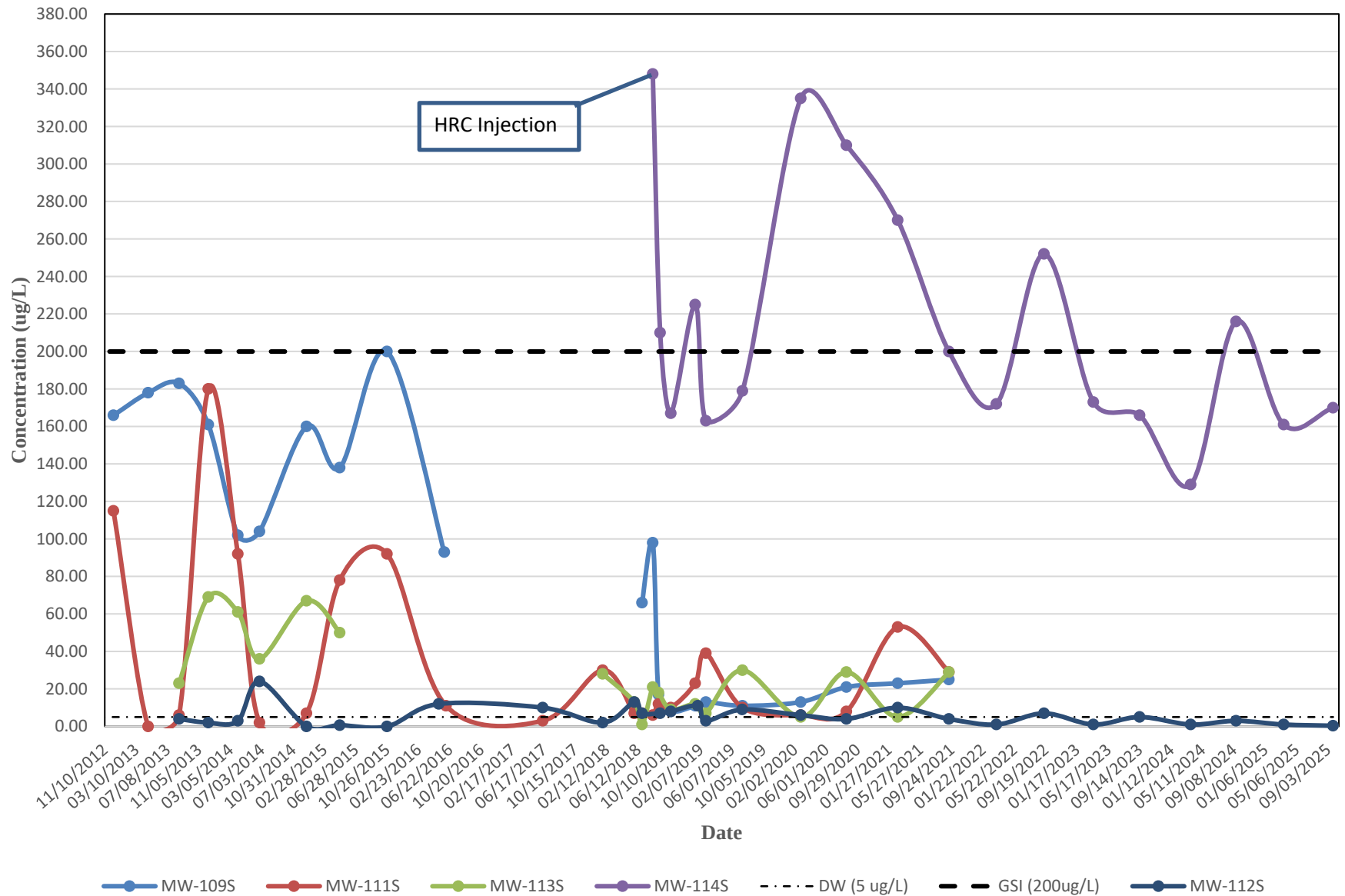
**Alpha notation refer to MDEQ Footnotes for the Part 213 Risk-Based Screening Levels, Part 201 Administrative Rule R 299.49.



Applied *Eco*Systems, Inc.

Environmental Management, Consulting & Field Services

TCE in MW-109S, MW-111S, MW-112S, MW-113S, MW-114S (downgradient wells)





Applied *Eco*Systems, Inc.

Environmental Management, Consulting & Field Services

Low-Flow Test Report:

Test Date / Time: 9/23/2025 3:48:11 PM
Project: 11-4317-102
Operator Name:

Location Name: MW-103S	Flow Cell Volume: 130 ml	Instrument Used: Aqua TROLL 500 Serial Number: 821578
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5
9/23/2025 3:48 PM	00:00	6.89 pH	22.60 °C	583.88 µS/cm	7.52 mg/L	462.30 NTU	-66.4 mV	
9/23/2025 3:51 PM	03:00	6.97 pH	20.73 °C	570.99 µS/cm	7.75 mg/L	345.98 NTU	-62.4 mV	
9/23/2025 3:54 PM	06:00	6.95 pH	20.00 °C	563.93 µS/cm	7.76 mg/L	194.01 NTU	-58.6 mV	
9/23/2025 3:57 PM	09:00	6.91 pH	19.58 °C	549.09 µS/cm	7.76 mg/L	75.78 NTU	-54.0 mV	
9/23/2025 4:00 PM	12:00	6.87 pH	19.42 °C	540.37 µS/cm	7.70 mg/L	66.22 NTU	-50.5 mV	
9/23/2025 4:03 PM	15:00	6.87 pH	19.35 °C	530.17 µS/cm	7.61 mg/L	48.14 NTU	-54.2 mV	
9/23/2025 4:06 PM	18:00	6.81 pH	19.13 °C	523.13 µS/cm	7.57 mg/L	19.78 NTU	-56.3 mV	
9/23/2025 4:09 PM	21:00	6.84 pH	19.06 °C	517.37 µS/cm	7.53 mg/L	10.44 NTU	-60.6 mV	
9/23/2025 4:12 PM	24:00	6.85 pH	19.25 °C	514.78 µS/cm	7.44 mg/L	10.04 NTU	-64.4 mV	
9/23/2025 4:15 PM	27:00	6.85 pH	19.22 °C	511.82 µS/cm	7.38 mg/L	9.16 NTU	-66.9 mV	
9/23/2025 4:18 PM	30:00	6.84 pH	19.29 °C	509.17 µS/cm	7.33 mg/L	10.91 NTU	-67.1 mV	

Samples

Sample ID:	Description:
MW-103S	PFAs, EBTEX, Metals
MS(MW-103S)	PFAs,EBTEX, Metals
MSD(MW-103)	PFAs, EBTEX, Metals

Low-Flow Test Report:

Test Date / Time: 9/23/2025 1:14:41 PM
Project: 11-4317-102
Operator Name:

Location Name: MW-108S	Flow Cell Volume: 130 ml	Instrument Used: Aqua TROLL 500 Serial Number: 821578
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5
9/23/2025 1:14 PM	00:00	6.85 pH	18.72 °C	9.59 µS/cm	6.69 mg/L	20.20 NTU	-32.5 mV	
9/23/2025 1:17 PM	03:00	6.91 pH	17.93 °C	5.81 µS/cm	4.97 mg/L	8.95 NTU	-25.1 mV	
9/23/2025 1:20 PM	06:00	6.97 pH	17.42 °C	4.29 µS/cm	4.25 mg/L	1.56 NTU	-9.1 mV	
9/23/2025 1:23 PM	09:00	7.00 pH	17.21 °C	2.96 µS/cm	4.19 mg/L	0.00 NTU	7.6 mV	
9/23/2025 1:26 PM	12:00	7.01 pH	17.26 °C	2.40 µS/cm	4.78 mg/L	0.00 NTU	17.3 mV	
9/23/2025 1:29 PM	15:00	7.02 pH	17.38 °C	2.13 µS/cm	5.22 mg/L	0.00 NTU	27.8 mV	
9/23/2025 1:32 PM	18:00	7.01 pH	17.49 °C	2.08 µS/cm	5.66 mg/L	0.00 NTU	33.3 mV	
9/23/2025 1:35 PM	21:00	7.01 pH	17.58 °C	1.95 µS/cm	5.65 mg/L	0.00 NTU	37.5 mV	
9/23/2025 1:38 PM	24:00	7.02 pH	17.65 °C	1.89 µS/cm	5.14 mg/L	0.00 NTU	42.4 mV	
9/23/2025 1:41 PM	27:00	7.01 pH	17.73 °C	1.81 µS/cm	6.19 mg/L	0.00 NTU	41.3 mV	
9/23/2025 1:44 PM	30:00	7.01 pH	17.80 °C	1.80 µS/cm	6.28 mg/L	0.00 NTU	39.1 mV	

Samples

Sample ID:	Description:
MW-108S	PFAs, EBTEX, Metals

Low-Flow Test Report:

Test Date / Time: 9/23/2025 12:14:50 PM
Project: 11-4317-102
Operator Name:

Location Name: MW 110S	Flow Cell Volume: 130 ml	Instrument Used: Aqua TROLL 500 Serial Number: 821578
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5
9/23/2025 12:14 PM	00:00	6.92 pH	19.45 °C	2.22 µS/cm	4.42 mg/L	17.55 NTU	-48.6 mV	
9/23/2025 12:17 PM	03:00	6.85 pH	19.04 °C	2.14 µS/cm	3.41 mg/L	12.80 NTU	-38.0 mV	
9/23/2025 12:20 PM	06:00	6.81 pH	18.58 °C	2.09 µS/cm	3.17 mg/L	5.05 NTU	-27.9 mV	
9/23/2025 12:23 PM	08:30	6.78 pH	18.33 °C	1.94 µS/cm	2.72 mg/L	6.12 NTU	-22.0 mV	
9/23/2025 12:26 PM	11:30	6.75 pH	18.10 °C	1.69 µS/cm	2.42 mg/L	5.25 NTU	-18.2 mV	
9/23/2025 12:27 PM	12:41	6.73 pH	18.03 °C	1.60 µS/cm	2.32 mg/L	6.22 NTU	-19.6 mV	
9/23/2025 12:30 PM	15:41	6.67 pH	17.91 °C	1.34 µS/cm	1.87 mg/L	3.36 NTU	-16.0 mV	
9/23/2025 12:33 PM	18:41	6.66 pH	17.82 °C	1.12 µS/cm	1.45 mg/L	0.74 NTU	-17.1 mV	
9/23/2025 12:36 PM	21:41	6.63 pH	17.75 °C	0.88 µS/cm	1.14 mg/L	0.34 NTU	-18.5 mV	
9/23/2025 12:39 PM	24:41	6.61 pH	17.69 °C	0.72 µS/cm	1.00 mg/L	0.07 NTU	-22.8 mV	
9/23/2025 12:42 PM	27:41	6.60 pH	17.65 °C	0.62 µS/cm	1.09 mg/L	0.00 NTU	-28.4 mV	
9/23/2025 12:45 PM	30:41	6.60 pH	17.59 °C	0.55 µS/cm	1.02 mg/L	0.00 NTU	-31.0 mV	

Samples

Sample ID:	Description:
MW-110S	PFAs, EBTEX, Metal

Low-Flow Test Report:

Test Date / Time: 9/23/2025 11:09:11 AM
Project: 11-4317-102
Operator Name:

Location Name: MW-112S	Flow Cell Volume: 130 ml	Instrument Used: Aqua TROLL 500 Serial Number: 821578
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5
9/23/2025 11:09 AM	00:00	6.61 pH	29.25 °C	0.05 µS/cm	7.38 mg/L	1.71 NTU	100.3 mV	
9/23/2025 11:12 AM	03:00	7.18 pH	24.43 °C	0.82 µS/cm	7.71 mg/L	44.46 NTU	-118.7 mV	
9/23/2025 11:15 AM	06:00	7.24 pH	21.69 °C	0.58 µS/cm	8.08 mg/L	28.00 NTU	-110.0 mV	
9/23/2025 11:18 AM	09:00	7.19 pH	20.84 °C	0.66 µS/cm	8.22 mg/L	19.44 NTU	-105.7 mV	
9/23/2025 11:21 AM	12:00	7.18 pH	20.65 °C	0.90 µS/cm	8.19 mg/L	17.36 NTU	-104.5 mV	
9/23/2025 11:24 AM	15:09	7.18 pH	20.02 °C	0.99 µS/cm	8.25 mg/L	8.36 NTU	-97.3 mV	
9/23/2025 11:27 AM	18:09	7.19 pH	19.78 °C	1.11 µS/cm	8.31 mg/L	10.11 NTU	-96.8 mV	
9/23/2025 11:29 AM	19:51	7.19 pH	19.74 °C	1.21 µS/cm		9.23 NTU	-95.4 mV	
9/23/2025 11:31 AM	22:16	7.19 pH	19.52 °C	1.19 µS/cm	8.31 mg/L	8.65 NTU	-95.0 mV	
9/23/2025 11:34 AM	25:16	7.19 pH	19.45 °C	1.33 µS/cm	8.29 mg/L	7.99 NTU	-93.2 mV	
9/23/2025 11:37 AM	28:16	7.19 pH	19.16 °C	1.38 µS/cm	8.33 mg/L	7.28 NTU	-91.0 mV	
9/23/2025 11:40 AM	31:16	7.20 pH	18.63 °C	1.48 µS/cm	8.40 mg/L	4.14 NTU	-90.3 mV	

Samples

Sample ID:	Description:
MW-112S	PFAs, EBTEX, metals

Low-Flow Test Report:

Test Date / Time: 9/23/2025 2:42:22 PM
Project: 11-4317-102
Operator Name:

Location Name: MW-114S	Flow Cell Volume: 130 ml	Instrument Used: Aqua TROLL 500 Serial Number: 821578
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5
9/23/2025 2:42 PM	00:00	6.98 pH	21.97 °C	0.96 µS/cm	4.40 mg/L	0.00 NTU	62.3 mV	
9/23/2025 2:45 PM	03:00	7.00 pH	21.80 °C	1.02 µS/cm	4.30 mg/L	13.41 NTU	-12.3 mV	
9/23/2025 2:48 PM	06:00	7.00 pH	22.17 °C	3.02 µS/cm	4.35 mg/L	280.96 NTU	-20.0 mV	
9/23/2025 2:51 PM	09:00	7.06 pH	21.99 °C	0.42 µS/cm	4.04 mg/L	290.38 NTU	-18.6 mV	
9/23/2025 2:54 PM	12:00	7.12 pH	22.64 °C	0.34 µS/cm	4.43 mg/L	276.52 NTU	-6.2 mV	
9/23/2025 3:00 PM	17:38	7.05 pH	21.86 °C	0.41 µS/cm	3.20 mg/L	128.08 NTU	-50.6 mV	
9/23/2025 3:03 PM	20:38	6.88 pH	21.54 °C	0.29 µS/cm	3.19 mg/L	132.83 NTU	-26.9 mV	
9/23/2025 3:06 PM	23:38	6.86 pH	21.27 °C	0.23 µS/cm	3.60 mg/L	120.24 NTU	-20.2 mV	
9/23/2025 3:09 PM	26:38	6.87 pH	21.30 °C	0.19 µS/cm	3.38 mg/L	116.65 NTU	-13.8 mV	
9/23/2025 3:12 PM	29:38	6.91 pH	21.78 °C	0.15 µS/cm	2.81 mg/L	108.72 NTU	-7.0 mV	

Samples

Sample ID:	Description:
MW-114S	PFAs, EBTEX, Metals



Applied *Eco*Systems, Inc.

Environmental Management, Consulting & Field Services

**LABORATORY DATA VALIDATION
SEPTEMBER 2025 BIENNIAL GROUNDWATER
SAMPLING EVENT**

**RACER Trust
Flint West Industrial Land (#12990)
Glenwood Avenue and Stevenson Street
Flint, Michigan**

December 29, 2025
Project # 11-4317-102

Applied EcoSystems, Inc.
G-4300 South Saginaw Street, Burton, Michigan 48529
Phone: (810) 715-2525 Fax: (810) 715-2526
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Appendix A.....Figures

Figure 1: Site Location Map

Figure 2: Site Map with Sample Locations

Appendix B.....Tables

Table 1: Sample Collection and Analysis Summary

Table 2: Sample Analytical Results

Table 3: Analytical Methods and Holding Time Criteria

Table 4: Qualified Sample Results Due to Outlying MS/MSD Results

Table 5: Field Sample Duplicate Results and Relative Percent Differences (RPD)

Appendix C.....Laboratory Reports

Laboratory Analytical Reports

Laboratory Quality Control Reports

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Acronyms and Abbreviations

Æ	Applied EcoSystems, Inc.
ASTM International (ASTM)	
AAI	All Appropriate Inquiry
BER	Business Environmental Risk
CREC	Controlled Recognized Environmental Condition
DMC	De Minimis Condition(s)
ESA	Environmental Site Assessment
HREC	Historical Recognized Environmental Condition
PEC	Potential Environmental Concern
REC	Recognized Environmental Condition
VEC	Vapor Encroachment Condition
Buildings, Structures, and Materials	
ACBM	Asbestos Containing Building Material
ACM	Asbestos Containing Materials
AST	Aboveground Storage Tank
HVAC	Heating, Ventilation, and Air Conditioning Systems
LUST	Leaking Underground Storage Tank
ROW	Right-of-Way
UST	Underground Storage Tank
Federal Agencies	
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
NRCS	Natural Resources Conservation Service
OSHA	Occupational Health and Safety Administration
SBA	Small Business Administration
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
Federal Environmental Regulations, Programs, and Databases	
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	CERCLA Information System
CESQG	Conditionally Exempt Small Quantity Generator
CFR	Code of Federal Regulations
CORRACTS	Resource Conservation and Recovery Act Corrective Action
CWA	Clean Water Act
ERNS	Emergency Response Notification System
FOIA	Freedom of Information Act
LQG	Large Quantity Generator
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
NRCS	Natural Resources Conservation Service
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SEMS	Superfund Enterprise Management System
SQG	Small Quantity Generator
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage and Disposal Facility

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Hazardous Substances and Petroleum Products	
BTEX	Benzene, Toluene, Ethyl Benzene, Xylenes
CVOCs	Chlorinated Volatile Organic Compounds
MTBE	Methyl Tertiary Butyl Ether
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene, Tetrachloroethylene, Perchloroethene, Perchloroethylene, PERC
PFAS	Per- and Polyfluoroalkyl Substances, including PFOS, PFOA, and GenX
PNAs	Polynuclear Aromatics - also known as Polycyclic Aromatic Hydrocarbons (PAHs)
SVOCs	Semi-Volatile Organic Compounds
TCE	Trichloroethene, Trichloroethylene
TMBs	Trimethylbenzenes
VOCs	Volatile Organic Compounds
Mapping, Instruments and Units of Measurement	
bgs	Below Ground Surface
GIS	Geographic Information System
msl	Mean Sea Level
PID	Photoionization Detector
ppb	Parts Per Billion
ppb(v)	Parts Per Billion by Volume
ppm	Parts Per Million
ppm(v)	Parts Per Million by Volume
T/R/S	Township, Range, Section
µg/Kg	Micrograms per Kilogram
µg/L	Micrograms per Liter
ng/Kg	Nanograms per Kilogram
ng/L	Nanograms per Liter
Michigan-Specific	
BEA	Baseline Environmental Assessment
DDCC	Documentation of Due Care Compliance
ResAP	Response Activity Plan
NREPA	Natural Resources and Environmental Protection Act
EGLE	Michigan Department of Environment, Great Lakes and Energy and its predecessors below:
MDEQ	Michigan Department of Environmental Quality
MDNRE	Michigan Department of Natural Resources and Environment
MDNR	Michigan Department of Natural Resources
LARA	Michigan Department of Licensing and Regulatory Affairs
GRCC	Generic Residential Cleanup Criteria (or Criterion)
DW/DWP	Drinking Water/Drinking Water Protection
DC	Direct Contact
F/E	Flammability/Explosivity Limit
GSI/GSIP	Groundwater to Surface Water Interface/Groundwater to Surface Water Interface Protection
PI	Particulate Inhalation
VIA	Volatilization to Indoor Air
VOA	Volatilization to Outdoor Air
MI 10 Metals	Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Mercury, Selenium, Silver, and Zinc
LGP	Leaded Gasoline Indicator Parameters (includes BTEX, TMBs and other compounds)
ULGP	Unleaded Gasoline Indicator Parameters (includes BTEX, MTBE, TMBs and other compounds)
VIAP	Volatilization to Indoor Air Pathway

1. INTRODUCTION

Applied EcoSystems, Inc. (Æ) was retained to conduct a validation review of the laboratory analytical data collected in support of the September 2025 bi-annual groundwater sampling event at the RACER Flint West #12990 Site in the City of Flint, Michigan. The sampling was performed in accordance with the requirements of the September 29, 2011, RCRA Administrative Order on Consent between the U.S. Environmental Protection Agency (USEPA) and RACER for the Flint West Site; and the Laboratory Data Validation was performed as part of the requirements of the April 1, 2021, project Quality Assurance Project Plan (QAPP).

Groundwater samples were submitted to Merit Laboratories, Inc., of East Lansing, Michigan. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. Samples were prepared at the laboratory in accordance with their standard operating procedures for groundwater processing. A summary of the analytical methodology is presented in Table 3.

Standard report deliverables were submitted by the laboratory to Æ. The final results and supporting quality assurance/quality control (QA/QC) data were assessed by Æ, as documented herein. Data evaluation was based on information obtained from the chain of custody forms, field notes, finished report forms, method blank data, duplicate data, and recovery data from surrogate spikes and laboratory control spikes (LCS) and matrix spikes (MS)/matrix spike duplicates (MSD).

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods reference in Table 3 in the April 1, 2021 project QAPP and in applicable guidance documents (hereafter identified as “Guidelines”), including:

- Michigan Department of Environment, Great Lakes, and Energy (EGLE) *Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Minimum Laboratory Analyte List*, updated March 8, 2021;
- Michigan Department of Environmental Quality (MDEQ), now EGLE, *Application of Target Detection Limits and Designated Analytical Methods*, dated March 2016 and modified April 2024;
- MDEQ, *General PFAS Sampling Guidance*, revised January 2024;
- USEPA, Superfund Contract Laboratory Program, National Functional Guidelines for Organic Superfund Methods Data Review (SOM02.4), EPA-540-R-2017-002, dated January 2017;
- USEPA, Superfund Contract Laboratory Program, National Functional Guidelines for Inorganic Superfund Methods Data Review (ISM02.4), EPA-540-R-2017-001, January 2017;
- USEPA, PFAS Methods and Guidance for Sampling and Analyzing Water and Other Environmental Media-Technical Brief, EPA/600/F-17-022h; and
- USEPA, Region 9, Laboratory Data Review for the Non-Chemist, dated October 2014.

1.1 Property Location and Description

Property Address:	Glenwood Avenue and Stephenson Street	
Municipality:	City of Flint, Michigan	
County:	Genesee	
T/R/S	T7N, R6E, S12	
Parcel ID:	40-13-177-002	
Land Area:	3.17 acres, per tax records.	

2. LABORATORY DELIVERABLES

Two (2) laboratory reports were received from Merit Laboratories for chains-of-custody prepared for groundwater samples collected by AÆ on September 23, 2025 – each for analysis of VOCs, dissolved and total metals (arsenic, chromium, chromium-hexavalent, copper, lead, selenium, and zinc), and PFAS. Both laboratory reports were identified as Merit Laboratories' Level II deliverables, appropriate under USEPA guidelines for desktop review. Raw laboratory data (including GC/MS scans, instrument calibration data, etc.) were not included in the deliverables.

Deliverables included the Merit Laboratories Analytical Laboratory Reports and Quality Control Reports IDs listed following and included in Appendix B of the 2025 Data Report (referenced in Appendix C of this report):

S79185.01,
S79206.01,
QC-S79185-01, and
QC-S79206-01.

3. DESKTOP LABORATORY DATA REVIEW

Deliverables were reviewed to verify that the following reporting information was documented fully. Where concerns were identified, limitations on data validity were evaluated based on the identified concerns.

All Analytical Laboratory Report cover sheets were signed by Maya Murshak, Technical Director of Merit Laboratories, Inc.

All Quality Control Report cover sheets were signed by Barbara Ball, Quality Assurance Manager of Merit Laboratories, Inc.

3.1 Case Narratives

The case narrative typically is a short summary statement about the analyses that commonly documents any significant concerns with the condition of received samples, analytical problems, or QA/QC concerns. All deliverables identified no conditions warranting narrative beyond general laboratory reporting information.

3.2 Laboratory Accreditation/Certification Information

The following laboratory certifications were identified on each Analytical Laboratory Report:

Authority	Certification/Accreditation ID
Michigan DEQ (EGLE)	#9956
DOD ELAP/ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Details of laboratory certifications and accreditations are appended to the Project QAPP.

3.3 Laboratory Contact Information

Each Analytical Laboratory Report identifies the following laboratory contact information:

Merit Laboratories, Inc., 2680 East Lansing Drive, East Lansing, MI 48823
Phone: (517) 332-0167 Fax: (517) 332-6333

Contacts for Report questions:

John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

3.4 Times Samples Collected, Received, Prepared, and Analyzed

Sample collection dates and times were tabulated in the Sample Summary of each Analytical Laboratory Report, identified in the header of each sample data report, and written on the chain of custody appended to each Report.

Times and dates of sample receipt were documented on the chain of custody appended to each Report but were not documented in the Sample Container/Preservation/Temperature summary for each sample data report.

Times and dates of sample extraction and preparation were documented in the Extraction/Prep. Summary for each sample data report.

Dates and times of sample analyses for each analytical method were documented in each sample data report.

No deviations from Guidelines were identified.

3.5 Laboratory Analytical Methods

Laboratory analytical methods were summarized in the Method Summary of each Analytical Laboratory Report and for each analyte group documented in each sample data report. Analytical methods used for this project were as follow:

Method	Version	Analytes
E200.8	EPA Method 200.8 Revision 5.4	Arsenic, chromium, copper, lead, selenium, zinc
SM3500-Cr B	Standard Method 3500 Cr B 2020	Chromium VI
SW3015A	SW 846 Method 3015A Revision 1 February 2007	Metals digestion
SW5030C/8260C	SW 846 8260C Revision 3 August 2006 5030C Revision 3 May 2003	VOCs
ASTMD7979-19M	ASTM Method D7979-19 Modified (Isotopic Dilution)	PFAS, EGLE 28 Parameters

3.6 Analyte Reporting

Analytes were reported to significant figures established by Method Detection Limits (MDLs).

Results not detected at or above the laboratory's MDL and Reporting Limit (RL) were identified as "Not Detected."

The laboratory reports identified detected results down to the laboratory's MDL for each analyte adjusted for specific sample dilutions, weights, and volumes. For metals, positive analyte detections less than the RL but greater than the MDL were indicated by "b" in Merit Analytical Laboratory Reports. For organic analytes, positive analyte detections less than the RL but greater than the MDL were qualified as estimates, indicated by "J" in Merit Analytical Laboratory Reports unless qualified otherwise in this report.

3.7 Holding Times and Sample Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times, except two samples for dissolved and total chromium (FB-1 and DUP-1 for MS-114S). Because both samples and all samples analyzed within acceptable holding times identified no detectable concentrations of chromium VI (dissolved or total), failure to complete analyses with acceptable holding times for chromium VI is unlikely to have affected conclusions.

The samples were properly preserved, delivered on ice, and received and stored at the laboratory at the required temperature (0-6° Celsius). Acid-preserved samples for total metals analysis were received at pH levels less than 2. Samples for dissolved metals analysis (including chromium VI) were filtered and preserved in the laboratory immediately upon receipt at the laboratory to limit potential for metals to be deposited to or leached from suspended solids in the samples. Laboratory filtration was documented on Analytical Laboratory Reports and on the Login Checklist.

3.8 Units of Measurement

Units of measurement are identified on each sample report of the Analytical Laboratory Reports. Units for each analyte group are as follow:

Analyte Group	Units
Metals (including Cr VI)	milligrams per liter (mg/L)
VOCs	micrograms per liter (µg/L)
PFAS	nanograms per liter (ng/L)

Individual tables in project reports may identify concentrations equivalently in different units of measurement. Table 2 of this report identifies metals concentrations (including Cr VI) in micrograms per liter (µg/L) and identifies PFAS compounds in nanograms per liter (ng/L).

3.9 Detection/Reporting Limits

Each sample report of the Analytical Laboratory Reports individually tabulates the sample analytical result, Reporting Limit (RL), Method Detection Limit (MDL), and dilution factor. On Table 2, analytical results less than MDLs are identified as less than (<) the specified RL. Concentrations detected less than the RL but greater than the MDL are identified as the detected concentration qualified with a “b” flag, and estimated concentrations less than RL but greater than MDL are qualified with a “J” flag in the Merit Laboratory Analytical Reports.

3.10 Data Qualifiers

The Analytical Laboratory Reports tabulate the following qualifying flags:

Qualifier/Flag	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range

Qualifier/Flag	Description
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
F	Analysis run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDLL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory, with separately attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
c	Filtered in lab
e	Reported value estimated due to interference
f	Filtered and preserved in lab
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

Of these qualifiers, the following were determined to be applicable to one or more sample laboratory results in Table 2:

Qualifier/Flag	Applicable Samples
I	4:2 FTSA – MW-103S, MW-112S, MS MW-103S, MSD MW-103S 6:2 FTSA - MSD MW-103S
J	Acetone - MS MW-103S, MSD MW-103S Benzene – MW-103S Chlorobenzene – MW-103S 1,1-Dichloroethane - MW-112S 1,2-Dichlorobenzene – MW-103S 1,1-Dichloroethene - MW-114S, DUP-1 (MW-114S), trans-1,2-Dichloroethene - MW-114S, DUP-1 (MW-114S) cis-1,2-Dichloroethene – MW-103S, MW-112S 2-Hexanone - MS MW-103S 4-Methyl-2-pentanone (MIBK) – MS MW-103S, MSD MW-103S Tetrahydrofuran - MS MW-103S, MSD MW-103S, MSD MW-103S Trichloroethene - MW-108S, MW-112S, DUP-1 (MW-114S) 1,1,1-Trichloroethane - MW-114S Vinyl Chloride – MW-103S, MW-112S PFOA – MW-103S, MW-108S, MW-1112S, MW-114S, DUP-1 (MW-114S)

Qualifier/Flag	Applicable Samples
	PFBS – MW-103S, MW-108S, MW-110S, MW-112S, MW-114S, DUP-1 (MW-114S) PFHpA – MW-112S, MW-114S, DUP-1 (MW-114S) PFHxA - MW-114S, DUP-1 (MW-114S) PFHxS – MW-103S PFHxS-LN – MW-103S, MW-108S, MW-110S PFHpS – MW-103S PFPeA - MW-114S, DUP-1 (MW-114S),
b	Total Chromium – FB-1, MW-110S, MW-114S Total Copper – MW-110S, MW-114S, DUP-1 (MW-114S), MS MW-103S, Total Lead - MW-114S Total Zinc – MW-112S, MSD MW-103S Dissolved Lead – MW-103S Dissolved Zinc – MW-112S
c	Dissolved Chromium VI - FB-1, EB-1, MW-103S, MW-108S, MW-110S, MW-112S, MW-114S, DUP-1 (MW-114S), MS MW-103S, MSD MW-103S
f	Dissolved Arsenic, Chromium, Copper, Lead, Selenium, and Zinc - FB-1, MW-103S (MW-MS103S, MW-MSD103S), MW-108S (DUP1-1), MW-110S, MW-112S, MW-114S
X	Total Chromium VI – MW-103S, MS MW-103S, MSD MW-103S
Y	Trichloroethene – MW-114S
F	Total Chromium IV - DUP-1 (MW-114S),

The qualifiers should be used by all data users to understand and appropriately apply the data.

Analytical Report S79206.01 used an additional non-standard qualifier (r) to designate analytical results being reported as the best result from multiple runs. Similarly, Analytical Report S79185.01 used an additional non-standard qualifier (1) to designate suspected laboratory cross-contamination.

3.11 Surrogate Recoveries

Surrogates are chemicals similar to the target analyte(s) in chemical composition and behavior that are not expected to be present in the sample(s). Surrogates are added to all environmental samples, blanks, and other QC samples in an analytical batch during the preparation stage for some organic analyses (including VOCs and PFAS in the subject laboratory analytical reports). Surrogates monitor analytical performance, especially extraction efficiency, purging efficiency (for volatiles), and possible matrix effects that MS/MSD spikes, which are added only to one sample per batch, cannot.

All surrogate recoveries identified in the laboratory analytical reports were within the percent recovery and allowable range listed for each surrogate compound.

3.12 Blank Analyses

Blanks are designated to measure cross-contamination in different parts of the sampling and analytical process.

3.12.1 Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The Method Blank (Trip Blank TB-1) was identified with detectable concentrations of PFBA, PFPeA, PFHxA, PFBS, and 6:2 FTSA, considered to indicate laboratory cross-contamination. No other PFAS constituents or analytes (VOCs or metals) were detected in the Trip Blank.

3.12.2 Equipment Blank Analyses

Equipment blanks are designed to monitor the cleanliness of field equipment and the effectiveness of decontamination procedures if equipment is used for multiple sample collections.

For this study, laboratory equipment blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per batch.

All equipment blank analyses were non-detect (including PFAS).

3.12.3 Field Blank Analyses

Field Blanks are designated to measure cross-contamination that may occur during sample handling and transport, such as from a broken bottle in the sample ice chest.

All field blank analyses were non-detect except 1.712 µg/L of total chromium, which was less than the reporting limit but greater than the MDL.

Based on the field blanks, sample handling was not considered to result in detectable concentrations greater than RLs and not likely to affect sample result comparisons to cleanup criteria.

3.13 Laboratory Control Sample Spike Analyses

Laboratory Control Samples (LCS) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS contained all analytes of interest. LCS recoveries were assessed per the “Guidelines.” All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy, except 8:2FTSA and PFUnDA, the reproducibilities of which were outside control limits. Because

these analytes were not detected in any of the samples, the identified variances are not considered to affect data evaluation conclusions.

3.14 Matrix Spike and Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, selected field samples are spiked with a known concentration of the analyte of concern and analyzed as Matrix Spike (MS)/Matrix Spike Duplicate (MSD) samples. The Relative Percent Difference (RPD) between the MS and MSD is used to assess analytical precision.

If the original sample concentration is significantly greater than the spike concentration, or if sample is diluted five times or greater, the recovery is not assessed.

If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analyses were performed as specified in Table 4.

The MS/MSD samples were spiked with analytes of interest, and the results were evaluated using the “Guidelines.” Table 4 presents the outlying matrix spike results. The associated sample data were qualified as estimated in the Merit Laboratory Analytical Reports. The remaining percent recoveries and RPD values were within the control limits criteria.

All of the matrix spikes and matrix spike duplicates were identified as falling within Control Limits, assuming a standard RPD limit of 30, except for Chromium VI, 8:FTSA, and PFUnDA. None of these analytes were detected in any of the samples collected at the site. Interpretation of site conditions is not considered to have been affected.

The inferred associated matrix interferences were not considered to affect the report conclusions.

3.15 Interferences

Interference is a bias that is introduced because something in the sample interferes with the analytical system’s ability to provide an accurate measurement. The interference may be physical (such as turbidity that could block light transmission in an analysis based on UV absorbance), chemical (a chemical similar to the analyte of interest may react with that analyte and affect instrument response), or spectroscopic (with the detector receiving an enhanced or suppressed signal due to an emission or absorbance by some other chemical or material in the matrix). Interferences can be possible or negative. Significant analytical interferences and their effects on the data are identified in the laboratory’s case narrative.

No significant interferences were reported in the laboratory’s case narratives.

3.16 Field Duplicate Sample Analyses

One field duplicate sample was collected for the purposes of evaluating field QA/QC. The field duplicate sample was submitted “blind” to the laboratory, as specified in Table 1, and on chains of custody. The RPDs associated with the duplicate sample must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value for water samples.

The field duplicate results shown in Table 5 were within acceptable agreement (less than 50%), demonstrating acceptable sampling and analytical precision, except for total chromium. The analytical deviation for total chromium likely reflected variations in chromium content in suspended sediment or variations in the amount of sediment suspended in the samples, so this deviation is not considered to indicate an analytical concern.

3.18 Chain-of-Custody Forms

Each Merit Analytical Laboratory Report and Quality Control Report was accompanied by a copy of the executed chain of custody.

The chain-of-custody for S79185.01 was noted by the laboratory to be incompletely filled out, lacking identification of analytes to be determined, but otherwise complete. A confirmed appropriate analytical methods with the laboratory via phone.

3.19 Laboratory Sample Receipt Checklist

Each Merit Analytical Laboratory Report is accompanied by a Merit Laboratories Login Checklist that documented sample conditions on receipt, chain of custody, preservation, and bottle conditions.

All samples were identified as received via courier pickup on ice at temperatures within 2-6 degrees Celsius and transferred to appropriate refrigeration.

All chains of custody were reported to be adequately filled out (excluding the deviation discussed in Section 3.18), signed, and matched the sample labels provided.

No requirement for subcontract laboratory analyses was identified.

All bottles were identified as appropriate and supplied by Merit, intact, filled appropriately, and submitted within holding times.

All samples were received with appropriate preservation, except:

- Samples submitted for dissolved metals (including chromium VI) analyses on chains of custody for Merit Analytical Laboratory Report S79185.01 and S79206.01 required laboratory filtration and preservation, and the chain of custody for S79206.01 specified such. Laboratory records indicate that samples received under the chains of custody were appropriately filtered and preserved immediately upon receipt at the laboratory, despite the

fact that the chain of custody for S79185.01 was not filled out to designate analytes or filtration guidance.

4. FINDINGS, CONCLUSIONS, AND DATA LIMITATIONS

On September 23, 2025, Æ collected groundwater samples from five monitoring wells at the RACER Flint West Industrial Land Site using USEPA low-stress sampling protocols. One duplicate sample, one field blank, and one matrix spike and duplicate were collected. Samples were collected in appropriate laboratory-provided bottles with laboratory-provided preservatives and were maintained on ice until delivery under complete chain-of-custody protocols to Merit Laboratories within appropriate holding times. No sample condition issues were identified in the field or upon laboratory receipt. Samples were analyzed by specified standard methods for VOCs, EGLE 28 PFAS, six total and dissolved metals, and total and dissolved chromium VI. Filtration and preservation for dissolved metals (including dissolved chromium VI) were performed immediately upon laboratory receipt instead of during field collection.

Laboratory deliverables include two analytical laboratory reports, two quality control reports, and chains-of-custody for each. Each laboratory report contained a case narrative, laboratory accreditation/certification information, laboratory contact information, analytical methods, and analyte reporting relative to method detection limits (MDLs) and reporting limits (RLs). Data qualifiers were identified and evaluated in this Laboratory Data Validation report. No samples were extracted or analyzed beyond their holding times, except for analysis for chromium VI in the field blank and sample duplicate for MW-114S. Because chromium VI was not identified in any samples collected, this deviation is not considered to affect report conclusions.

All surrogate recoveries were within their allowable ranges for each surrogate compound, indicating satisfactory laboratory performance. Analysis of laboratory blank samples identified no indications of significant cross-contamination except with PFAS constituents PFBA, PFPeA, PFHxA, PFBS, and 6:2FTSA, which is reflected in sample results for MW-114S and its duplicate. Detectable concentrations of those analytes were not identified in other samples. The equipment blank identified no detectable analytes greater than RLs, including PFAS. The field blank also was determined to contain no detectable analytes. Accordingly, no significant indications of cross-contamination were identified, except for PFAS compounds not detected in field samples. Laboratory Control Spike (LCS) and LCS Duplicate analyses indicated the potential for PFAS analytes 8:2FTSA and PFUnDA to exhibit wide variations within Recovery Control Limits; however, because those analytes were detected at the Site only in spiked samples, this condition is not considered to have affected report conclusions. Matrix spikes and their duplicates indicated potential for Chromium VI and VOC trans-1,4-dichloro-2-butene to be identified low and for the PFAS analytes 4:2FTSA, 6:2FTSA high, and for chromium VI and PFAS analytes 8:2FTSA and PFUnDA to be identified with low precision; however, none of these analytes were identified in groundwater samples collected at the Site. No significant data qualifiers were identified in relation to the detected analyte concentrations.

Based on the assessment detailed in the foregoing QA/QC summary, the laboratory data summarized in Table 2 are considered acceptable within the specific qualifications noted herein.

5. SIGNATURES

This report was prepared under the supervision of the following Environmental Professionals as defined in §312.10 of 40 CFR 312.



Michael D. Smith, Environmental Professional
Senior Technical Manager of Æ.

December 29, 2025

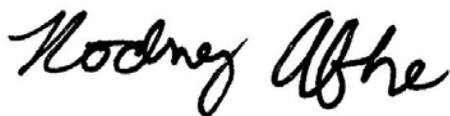
Date



Sandra K. Clark, Environmental Professional
President of Æ.

December 29, 2025

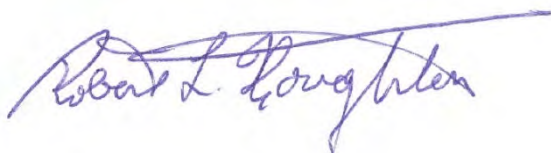
Date



Rodney Abke, CPG, LPG, Environmental Professional,
Æ Senior Geologist

December 29, 2025

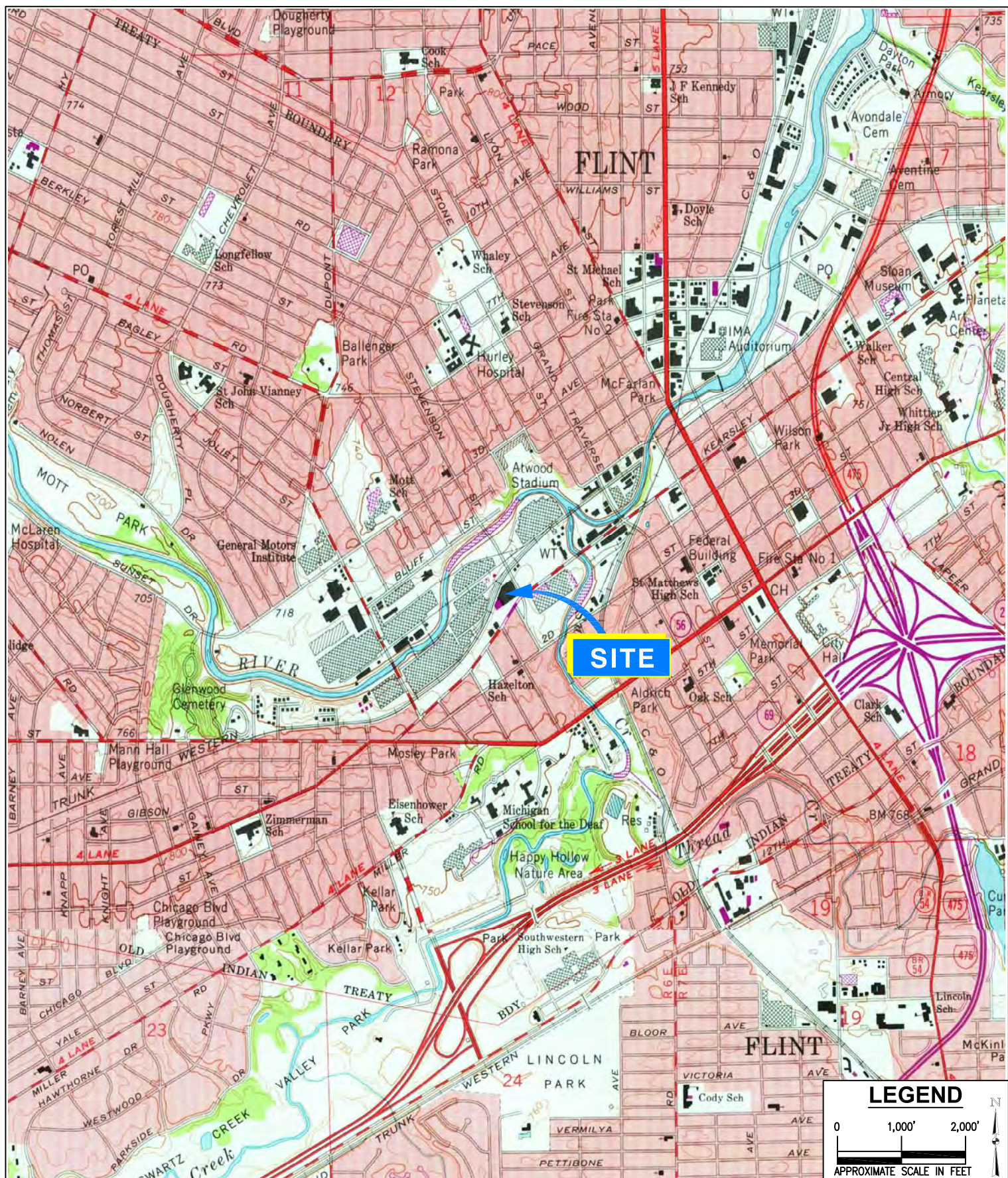
Date



Robert L. Houghton, Environmental Professional,
Æ Senior Technical Advisor,
Æ Quality Assurance Officer

December 29, 2025

Date



Applied EcoSystems, Inc.

Environmental Management, Consulting & Field Services
G-4300 South Saginaw Street, Burton, Michigan 48529
Phone: 810.715.2525; Fax: 810.715.2526

Site Location Map

RACER Flint West #12990

Glenwood Avenue & Stevenson Street
Flint, Michigan

SOURCE: USGS FLINT SOUTH QUADRANGLE
(PROVISIONAL EDITION 1975)

DRAWING DATE:

04/06/2020

CHECKED BY:

MDS

PROJECT:

11-4317-102

FIGURE:

1





Table 1
Sample Collection and Analysis Summary
September 2025 Biannual Groundwater Sampling Event

Lab Sample ID	Field Sample ID (Location)	Matrix	Collection		Analytical Parameters			
			Date (mm/dd/yyyy)	Time (hr:min)	VOCs	Total Metals	Dissolved Metals	PFAS
S79185.01	TB-1-20250923	Groundwater	09/23/25	09:38	X			X
S79185.02	FB-1-20250923	Groundwater	09/23/25	09:52	X	X	X	X
S79185.03	EB-1-20250923	Groundwater	09/23/25	10:33	X	X	X	X
S79185.04	MW-112S-20250923	Groundwater	09/23/25	11:41	X	X	X	X
S79185.05	MW-110S-20250923	Groundwater	09/23/25	12:45	X	X	X	X
S79206.01	MW-103S-20250923	Groundwater	09/23/25	16:20	X	X	X	X
S79206.02	MS (MW-103S-20250923)	Groundwater	09/23/25	16:20	X	X	X	X
S79206.03	MSD (MW-103S-20250923)	Groundwater	09/23/25	16:20	X	X	X	X
S79206.04	MW-108S-20250923	Groundwater	09/23/25	13:45	X	X	X	X
S79206.05	MW-114S-20250923	Groundwater	09/23/25	15:15	X	X	X	X
S79206.06	DUP-1-20250923	Groundwater	09/23/25	00:01	X	X	X	X

Table 2
Groundwater Analytical Results w Qualifiers
RACER - Flint West # 12990

Sample ID				MW-103S	MW-108S	MW-110S	MW-112S	MW-114S	Dup-1	FB-1	EB-1	Trip Blank	MW-103S MS	MW-103S MSD
Date Collected				09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025
METALS ANALYTE (ug/L)	DW	GSI							MW-114S					
Arsenic, Dissolved	10	10		26 f	<2 f	3 f	52 f	7 f	7 f	<2 f	<2 f	NA	29 f	29 f
Arsenic	10	10		72	<2	3	52	66	68	<2	<2	NA	75	72
Chromium VI, Dissolved	100	11		<20 c	<10 c	<10 c	<10 c	<10 c	<10 cF	<10 cF	<10 c	NA	102 c	20 c
Chromium VI	100	11		<250 X	<10	<10	<250	<20	<50 F	<10 F	<10	NA	3820 X	3720 X
Chromium, Dissolved	100	160	G	<5 f	<5 f	<5 f	0.814 fb	<5 f	<5 f	<5 f	<5 f	NA	<5 f	16 f
Chromium	100	160	G	<5	<5	1.832 b	<5	0.991 b	9	1.712 b	<5	NA	1.688 b	<5
Copper, Dissolved	1000	20	G	<5 f	<5 f	<5 f	<5 f	<5 f	<5 f	<5 f	<5 f	NA	<5 f	<5 f
Copper	1000	20	G	<5	<5	0.919 b	<5	1.559 b	1.133 b	<5 f	<5	NA	<5	<5
Lead, Dissolved	4	44	G	0.625 bf	<0.003 f	<3 f	<3 f	<3 f	<3 f	<3 f	<3 f	NA	<3 f	<3 f
Lead	4	44	G	<3	<0.003	<3	<3	1.451 b	<3	<3	<3	NA	<3	<3
Selenium, Dissolved	50	5		<5 f	<5 f	<5 f	<5 f	<5 f	<5 f	<5 f	<5 f	NA	<5 f	<5 f
Selenium	50	5		<5	<5	<5	<5	<5	<5	<5	<5	NA	<5	<5
Zinc, Dissolved	2400	260	G	<5 f	5 f	<5 f	<5 f	8 f	7 f	<5 f	<5 f	NA	<5 f	<5 f
Zinc	2400	260	G	<5	6	<5	4.112 b	13	13	<5	<5	NA	<5	3.851 b
VOC ANALYTE (ug/L)	DW	GSI												
Acetone	730	1700		<50	<50	<50	<50	<50	<50	<50	<50	<50	48.1 J	48.4 J
Acrylonitrile	2.6	2.0 (M); 1.2		<2	<2	<2	<2	<2	<2	<2	<2	<2	47	47
2-Butanone (MEK)	13000	2,200		<25	<25	<25	<25	<25	<25	<25	<25	<25	46	46
Benzene	5	200		0.43 J	<1	<1	<1	<1	<1	<1	<1	<1	51	51
n-Butylbenzene	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	49	48
Bromobenzene	18	NA		<1	<1	<1	<1	<1	<1	<1	<1	<1	53	55
Bromochloromethane	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	52	52
Bromodichloromethane	80	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	51
Bromoform	80 (A,W)	ID		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	52
Bromomethane	10	4.2; [5(M)]		<5	<5	<5	<5	<5	<5	<5	<5	<5	44	44
sec-Butylbenzene	230	ID		<1	<1	<1	<1	<1	<1	<1	<1	<1	50	49
tert-Butylbenzene	80	ID		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	51
Carbon disulfide	800	NC		<5	<5	<5	<5	<5	<5	<5	<5	<5	52	51
Carbon tetrachloride	5	38	X	<1	2	<1	<1	<1	<1	<1	<1	<1	53	53
Chlorobenzene	100	25		0.97 J	<1	<1	<1	<1	<1	<1	<1	<1	53	54
Chloroethane	430	1,100		<5	<5	<5	<5	<5	<5	<5	<5	<5	48	48
Chloroform	80	350		<1	2	<1	<1	<1	<1	<1	<1	<1	51	51
Chloromethane	260	NC		<5	<5	<5	<5	<5	<5	<5	<5	<5	44	43
1,1-Dichloroethane	880	740		<1	<1	<1	0.45 J	2	2	<1	<1	<1	51	51
1,1-Dichloroethene	7	130		<1	<1	<1	<1	0.77 J	0.85 J	<1	<1	<1	52	50
1,2-Dibromo-3-chloropropane	NC	NC		<5	<5	<5	<5	<5	<5	<5	<5	<5	52	51
1,2-Dibromoethane	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	53
1,2-Dichlorobenzene	600	13		0.18 J	<1	<1	<1	<1	<1	<1	<1	<1	52	53
1,2-Dichloroethane	5.0 (A)	360 (X)		<1	<1	<1	<1	<1	<1	<1	<1	<1	50	50
1,2-Dichloropropane	5.0 (A)	230 (X)		<1	<1	<1	<1	<1	<1	<1	<1	<1	49	50
1,3-Dichlorobenzene	6.6	28		<1	<1	<1	<1	<1	<1	<1	<1	<1	53	51
1,4-Dichlorobenzene	75	17		<1	<1	<1	<1	<1	<1	<1	<1	<1	52	52

Table 2
Groundwater Analytical Results w Qualifiers
RACER - Flint West # 12990

Sample ID				MW-103S	MW-108S	MW-110S	MW-112S	MW-114S	Dup-1	FB-1	EB-1	Trip Blank	MW-103S MS	MW-103S MSD
Date Collected				09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025
VOC ANALYTE (ug/L)	DW	GSI												
cis-1,2-Dichloroethene	70	620		0.17 J	<1	<1	0.35 J	70	69	<1	<1	<1	52	51
cis-1,3-Dichloropropene	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	47	48
Dibromochloromethane	80 (A,W)	ID		<5	<5	<5	<5	<5	<5	<5	<5	<5	52	53
Dibromomethane	230	NA		<5	<5	<5	<5	<5	<5	<5	<5	<5	52	54
Dichlorodifluoromethane	1700	ID		<5	<5	<5	<5	<5	<5	<5	<5	<5	51	52
Diethyl ether	10 (E)	ID		<10	<10	<10	<10	<10	<10	<10	<10	<10	49	50
trans-1,2-Dichloroethene	100	1500		<1	<1	<1	<1	0.62 J	0.64 J	<1	<1	<1	51	52
trans-1,3-Dichloropropene	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	47	48
trans-1,4-Dichloro-2-butene	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	27	27
Ethylbenzene	74	18		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	52
2-Hexanone	1000	ID		<50	<50	<50	<50	<50	<50	<50	<50	<50	46.96 J	49.47 J
Hexachloroethane	21	6.7		<5	<5	<5	<5	<5	<5	<5	<5	<5	51	51
p-Isopropyltoluene	NC	NC		<5	<5	<5	<5	<5	<5	<5	<5	<5	50	50
Isopropylbenzene	800	28		<5	<5	<5	<5	<5	<5	<5	<5	<5	51	52
2-Methylnaphthalene	260	19		<5	<5	<5	<5	<5	<5	<5	<5	<5	59	62
4-Methyl-2-pentanone (MIBK)	1800	ID		<50	<50	<50	<50	<50	<50	<50	<50	<50	47.12 J	47.37 J
tert-Methyl butyl ether (MTBE)	40 (E)	7,100 (X)		<5	<5	<5	<5	<5	<5	<5	<5	<5	49	50
Methyl iodide	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	55	50
Methylene chloride	5	1500		<5	<5	<5	<5	<5	<5	<5	<5	<5	50	50
Naphthalene	520	11		<5	<5	<5	<5	<5	<5	<5	<5	<5	55	55
n-Propylbenzene	80	ID		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	51
Styrene	100	80		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	52
1,1,1,2-Tetrachloroethane	77	ID		<1	<1	<1	<1	<1	<1	<1	<1	<1	52	54
1,1,1-Trichloroethane	200	89		<1	<1	<1	<1	1 J	1	<1	<1	<1	53	53
1,1,2,2-Tetrachloroethane	8.5	78 (X)		<1	<1	<1	<1	<1	<1	<1	<1	<1	50	53
1,1,2-Trichloroethane	5.0 (A)	330 (X)		<1	<1	<1	<1	<1	<1	<1	<1	<1	49	49
1,2,3-Trichlorobenzene	NC	NC		<5	<5	<5	<5	<5	<5	<5	<5	<5	54	54
1,2,3-Trichloropropane	42	NA		<1	<1	<1	<1	<1	<1	<1	<1	<1	50	52
1,2,3-Trimethylbenzene	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	50	49
1,2,4-Trichlorobenzene	NC	NC		<5	<5	<5	<5	<5	<5	<5	<5	<5	52	52
1,2,4-Trimethylbenzene	63 (E)	17		<1	<1	<1	<1	<1	<1	<1	<1	<1	52	53
1,3,5-Trimethylbenzene	72 (E)	45		<1	<1	<1	<1	<1	<1	<1	<1	<1	53	53
Tetrachloroethene	5	60		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	51
Tetrahydrofuran	95	11000		<90	<90	<90	<90	<90	<90	<90	<90	<90	42.2 J	43.3 J
Toluene	790	270		<1	<1	<1	<1	<1	<1	<1	<1	<1	50	50
Trichloroethene	5	200		<1	0.28 J	<1	0.37 J	170 Y	160 Y	<1	<1	<1	52	51
Trichlorofluoromethane	2600	NA		<1	<1	<1	<1	<1	<1	<1	<1	<1	52	51
Vinyl chloride	2	13		0.34 J	<1	<1	0.72 J	5	5	<1	<1	<1	50	48
o-Xylene	NC	NC		<1	<1	<1	<1	<1	<1	<1	<1	<1	51	53
p,m-Xylene	NC	NC		<2	<2	<2	<2	<2	<2	<2	<2	<2	103	106
Xylenes, Total	280	49		<3	<3	<3	<3	<3	<3	<3	<3	<3	154	159

Table 2
Groundwater Analytical Results w Qualifiers
RACER - Flint West # 12990

Sample ID				MW-103S	MW-108S	MW-110S	MW-112S	MW-114S	Dup-1	FB-1	EB-1	Trip Blank	MW-103S MS	MW-103S MSD
Date Collected				09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025	09/23/2025
PFA ANALYTE (ng/L)	DW	GSI												
PFBA	NC	NC		<10	<10	<10	<10	<10	<11	<9.8	<10	12	120 I	97
PFPeA	NC	NC		<4.1	<4.1	<4.0	<4.1	1.9 J	2 J	<3.9	<4.1	6.2	98	100
4:2 FTS	NC	NC		<2.1 I	<2.1	<2.0	<2.0 I	<2.1	<2.1	<2.0	<2.1	<2.1	110	120 I
PFHxA	400,000	NC		<2.1	<2.1	<2.0	<2.0	1.7 J	1.8 J	<2.0	<2.1	4.6	110	97
PFBS	420	NC		0.7 J	1.2 J	1.1 J	1.9 J	1.9 J	1.5 J	<2.0	<2.1	2.2	110	110
PFHpA	NC	NC		<2.1	<2.1	<2.0	0.83 J	0.96 J	1.2 J	<2.0	<2.1	<2.1	110	110
PFPeS	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	110	94
6:2 FTS	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	9.2	100	100 I
PFOA	4	12,000		1.5 J	1.1 J	2.7	1.3 J	1.7 J	1.6 J	<2.0	<2.1	<2.1	74	81
PFHxS	10	NC		1.6 J	<2.1	2.3	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	98	95
PFHxS-LN	NC	NC		1.6 J	<2.1	1.7 J	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	83	80
PFHxS-BR	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	14	15
PFNA	6	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	100	95
8:2 FTS	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	90	98
PFHpS	NC	NC		1.1 J	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	91	92
PFDA	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	100	95
N-MeFOSAA	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	92	97
EtFOSAA	NC	NC		<4.1	<4.1	<4.0	<4.1	<4.2	<4.2	<3.9	<4.1	<4.1	97	98
PFOS	4	12		56	4.6	4	5.8	20	21	<2.0	<2.1	<2.1	140	160
PFOS-LN	NC	NC		35	0.86 J	<2.0	2.5	11	12	<2.0	<2.1	<2.1	92	110
PFOS-BR	NC	NC		18	3.6	3.1	3.1	8.5	9.1	<2.0	<2.1	<2.1	44	56
PFUnDA	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	100	85
PFNS	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	77	95
PFDoDA	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	95	96
PFDS	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	98	110
PFTTrDA	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	97	100
FOSA	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	100	99
PFTeDA	NC	NC		<4.1	<4.1	<4.0	<4.1	<4.2	<4.2	<3.9	<4.1	<4.1	100	96
11CI-PF3OUdS	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	99	130
9CI-PF3ONS	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	84	98
ADONA	NC	NC		<2.1	<2.1	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1	<2.1	74	94
HFPO-DA	NC	NC		<10	<10	<10	<10	<10	<11	<9.8	<10	<10	89	97

Table 2 FOOTNOTES
Groundwater Analytical Results
RACER - Flint West # 12990

NOTES:

DW - Drinking Water Residential Generic Criteria.

GSI - Groundwater Surface Water Interface Generic Criteria per MDEQ Surface Water Division Rule 57.

Blank cells indicate no detectable concentrations

Exceeds DW criteria

Exceeds GSI criteria

Exceeds both DW and GSI criteria

Compound also found in associated method blank,

Insufficient data to develop criterion/no criterion

X
X
X
X
NC

Not Sampled

Filtered in lab

Filtered and preserved in lab

Not analyzed

Groundwater to Surface Water Interface Criteria - calculated

based on 257ppm total hardness in the Flint River

NS
1
2
NA
G

PFAS criteria based on EGLE proposed drinking water criteria for selected PFAS compounds.

Perfluorobutanoic acid (PFBA)

Perfluoropentanoic acid (PFPeA)

Fluorotelomer sulfonic acid (4:2 FTS)

Perfluorohexanoic acid (PFHxA)

Perfluorobutane sulfonic acid (PFBS)

Perfluoroheptanoic acid (PFHpA)

Perfluoropentane sulfonic acid (PFPeS)

Fluorotelomer sulfonic acid (6:2 FTS)

Perfluorooctanoic acid (PFOA)

Perfluorohexane sulfonic acid (PFHxS)

Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)

Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)

Perfluorononanoic acid (PFNA)

Fluorotelomer sulfonic acid (8:2 FTS)

Perfluoroheptane sulfonic acid (PFHpS)

Perfluorodecanoic acid (PFDA)

N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)

N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)

Perfluorooctane sulfonic acid (PFOS)

Perfluorooctane Sulfonic Acid - LN (PFOS-LN)

Perfluorooctane Sulfonic Acid - BR (PFOS-BR)

Perfluoroundecanoic acid (PFUnDA)

Perfluorononane sulfonic acid (PFNS)

Perfluorododecanoic acid (PFDoDA)

Perfluorodecane sulfonic acid (PFDS)

Perfluorotridecanoic acid (PFTrDA)

Perfluorooctane sulfonamide (FOSA)

Perfluorotetradecanoic acid (PFTeDA)

11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)

9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)

4,8-dioxa-3H-perfluorononanoic acid (ADONA)

Hexafluoropropylene oxide dimer (HFPO-DA)

Table 2 FOOTNOTES
Groundwater Analytical Results
RACER - Flint West # 12990

Qualifier/Flag Description

- ! Result is outside of stated limit criteria
- B Compound also found in associated method blank
- E Concentration exceeds calibration range
- F Analysis run outside of holding time
- G Estimated result due to extraction run outside of holding time
- H Sample submitted and run outside of holding time
- I Matrix interference with internal standard
- F Analysis run outside of holding time
- I Matrix interference with internal standard
- J Estimated value less than reporting limit, but greater than MDLL
- L Elevated reporting limit due to low sample amount
- M Result reported to MDL not RDL
- O Analysis performed by outside laboratory, with separately attached report.
- R Preliminary result
- S Surrogate recovery outside of control limits
- T No correction for total solids
- X Elevated reporting limit due to matrix interference
- Y Elevated reporting limit due to high target concentration
- b Value detected less than reporting limit, but greater than MDL
- c Filtered in lab
- e Reported value estimated due to interference
- f Filtered and preserved in lab
- j Analyte also found in associated method blank
- o Associated EIS outside of control limits
- p Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak
- q Qualifier ion ratio outside of control limits
- x Preserved from bulk sample

Table 3
Analytical Methods and Holding Time Criteria
September 2025 Biannual Groundwater Sampling Event
RACER Flint West #12990, Flint, Michigan

Parameter	Analytical Method	Matrix	Sample ID	Holding Time (days)				Approved Holding Time
				Collection	Extraction	Latest Analytical	Actual Holding	
				Date/Time	Date/Time	Date/Time	Time (days)	
Chromium VI, Dissolved	SM3500-Cr	Water	FB-1-20250923	9/23/2025 9:52		9/24/2025 13:00	1.13	24 Hours (1 Day)
		Water	EB-1-20250923	9/23/2025 10:33		9/23/2025 16:15	0.24	
		Groundwater	MW-112S-20250923	9/23/2025 11:41		9/23/2025 16:20	0.19	
		Groundwater	MW-110S-20250923	9/23/2025 12:45		9/23/2025 16:30	0.16	
		Groundwater	MW-103S-20250923	9/23/2025 16:20		9/24/2025 13:05	0.86	
		Groundwater	MS (MW-103S-20250923)	9/23/2025 16:20		9/24/2025 13:10	0.87	
		Groundwater	MSD (MW-103S-20250923)	9/23/2025 16:20		9/24/2025 13:15	0.87	
		Groundwater	MW-108S-20250923	9/23/2025 13:45		9/24/2025 13:20	0.98	
		Groundwater	MW-114S-20250923	9/23/2025 15:15		9/24/2025 13:25	0.92	
		Groundwater	DUP-1-20250923	9/23/2025 0:01		9/24/2025 13:30	1.56	
Chromium VI, Total	SM3500-Cr	Water	FB-1-20250923	9/23/2025 9:52		9/24/2025 12:00	1.09	24 Hours (1 Day)
		Water	EB-1-20250923	9/23/2025 10:33		9/23/2025 15:50	0.22	
		Groundwater	MW-112S-20250923	9/23/2025 11:41		9/23/2025 16:00	0.18	
		Groundwater	MW-110S-20250923	9/23/2025 12:45		9/23/2025 16:05	0.14	
		Groundwater	MW-103S-20250923	9/23/2025 16:20		9/24/2025 12:30	0.84	
		Groundwater	MS (MW-103S-20250923)	9/23/2025 16:20		9/24/2025 12:35	0.84	
		Groundwater	MSD (MW-103S-20250923)	9/23/2025 16:20		9/24/2025 12:40	0.85	
		Groundwater	MW-108S-20250923	9/23/2025 13:45		9/24/2025 12:45	0.96	
		Groundwater	MW-114S-20250923	9/23/2025 15:15		9/24/2025 12:50	0.90	
		Groundwater	DUP-1-20250923	9/23/2025 0:01		9/24/2025 12:50	1.53	
Metals, Total	E200.8	Water	FB-1-20250923	9/23/2025 9:52	9/29/2025 10:00	9/29/2025 11:31	6.07	180 Days
		Water	EB-1-20250923	9/23/2025 10:33	9/29/2025 10:00	9/29/2025 11:35	6.04	
		Groundwater	MW-112S-20250923	9/23/2025 11:41	9/29/2025 10:00	9/29/2025 11:39	6.00	
		Groundwater	MW-110S-20250923	9/23/2025 12:45	9/29/2025 10:00	9/29/2025 11:43	5.96	
		Groundwater	MW-103S-20250923	9/23/2025 16:20	9/29/2025 10:00	9/29/2025 11:46	5.81	
		Groundwater	MS (MW-103S-20250923)	9/23/2025 16:20	9/29/2025 10:00	9/29/2025 11:56	5.82	
		Groundwater	MSD (MW-103S-20250923)	9/23/2025 16:20	9/29/2025 10:00	9/29/2025 12:00	5.82	
		Groundwater	MW-108S-20250923	9/23/2025 13:45	9/29/2025 10:00	9/29/2025 12:07	5.93	
		Groundwater	MW-114S-20250923	9/23/2025 15:15	9/29/2025 10:00	9/29/2025 12:15	5.88	
		Groundwater	DUP-1-20250923	9/23/2025 0:01	9/29/2025 10:00	9/29/2025 12:18	6.51	

Table 3
Analytical Methods and Holding Time Criteria
September 2025 Biannual Groundwater Sampling Event
RACER Flint West #12990, Flint, Michigan

Parameter	Analytical Method	Matrix	Sample ID	Holding Time (days)				Approved Holding Time
				Collection	Extraction	Latest Analytical	Actual Holding	
				Date/Time	Date/Time	Date/Time	Time (days)	
Metals, Dissolved (As, Cr, Cu, Pb, Se, Zn)	E200.8	Water	FB-1-20250923	9/23/2025 9:52	9/29/2025 10:00	9/29/2025 11:32	6.07	180 Days
		Water	EB-1-20250923	9/23/2025 10:33	9/29/2025 10:00	9/29/2025 11:36	6.04	
		Groundwater	MW-112S-20250923	9/23/2025 11:41	9/29/2025 10:00	9/29/2025 11:42	6.00	
		Groundwater	MW-110S-20250923	9/23/2025 12:45	9/29/2025 10:00	9/29/2025 11:45	5.96	
		Groundwater	MW-103S-20250923	9/23/2025 16:20	9/29/2025 10:00	9/29/2025 11:48	5.81	
		Groundwater	MS (MW-103S-20250923)	9/23/2025 16:20	9/29/2025 10:00	9/29/2025 11:57	5.82	
		Groundwater	MSD (MW-103S-20250923)	9/23/2025 16:20	9/29/2025 10:00	9/29/2025 12:01	5.82	
		Groundwater	MW-108S-20250923	9/23/2025 13:45	9/29/2025 10:00	9/29/2025 12:09	5.93	
		Groundwater	MW-114S-20250923	9/23/2025 15:15	9/29/2025 10:00	9/29/2025 12:17	5.88	
		Groundwater	DUP-1-20250923	9/23/2025 0:01	9/29/2025 10:00	9/29/2025 12:20	6.51	
VOCs	SW5030C /8260C	Water	TB-1-20250923	9/23/2025 9:38		9/24/2025 14:04	1.18	14 Days
		Water	FB-1-20250923	9/23/2025 9:52		9/24/2025 14:28	1.19	
		Water	EB-1-20250923	9/23/2025 10:33		9/24/2025 14:52	1.18	
		Groundwater	MW-112S-20250923	9/23/2025 11:41		9/24/2025 15:15	1.15	
		Groundwater	MW-110S-20250923	9/23/2025 12:45		9/24/2025 15:39	1.12	
		Groundwater	MW-103S-20250923	9/23/2025 16:20		9/25/2025 6:11	1.58	
		Groundwater	MS (MW-103S-20250923)	9/23/2025 16:20		9/24/2025 23:54	1.32	
		Groundwater	MSD (MW-103S-20250923)	9/23/2025 16:20		9/25/2025 0:17	1.33	
		Groundwater	MW-108S-20250923	9/23/2025 13:45		9/25/2025 6:35	1.70	
		Groundwater	MW-114S-20250923	9/23/2025 15:15		9/26/2025 20:32	3.22	
		Groundwater	DUP-1-20250923	9/23/2025 0:01		9/26/2025 20:56	3.87	

Table 3
Analytical Methods and Holding Time Criteria
September 2025 Biannual Groundwater Sampling Event
RACER Flint West #12990, Flint, Michigan

Parameter	Analytical Method	Matrix	Sample ID	Holding Time (days)				Approved Holding Time
				Collection	Extraction	Latest Analytical	Actual Holding	
				Date/Time	Date/Time	Date/Time	Time (days)	
PFAS	ASTM D7979-19M	Water	TB-1-20250923	9/23/2025 9:38	9/24/2025 11:00	9/24/2025 15:44	1.25	14 Days to Extract
		Water	FB-1-20250923	9/23/2025 9:52	9/24/2025 11:00	9/24/2025 16:04	1.26	
		Water	EB-1-20250923	9/23/2025 10:33	9/24/2025 11:00	9/24/2025 16:24	1.24	
		Groundwater	MW-112S-20250923	9/23/2025 11:41	9/24/2025 11:00	9/25/2025 12:18	2.03	28 to Analyze
		Groundwater	MW-110S-20250923	9/23/2025 12:45	9/24/2025 11:00	9/24/2025 17:04	1.18	
		Groundwater	MW-103S-20250923	9/23/2025 16:20	9/24/2025 11:00	9/24/2025 18:04	1.07	
		Groundwater	MS (MW-103S-20250923)	9/23/2025 16:20	9/24/2025 11:00	9/24/2025 18:24	1.09	
		Groundwater	MSD (MW-103S-20250923)	9/23/2025 16:20	9/24/2025 11:00	9/24/2025 18:44	1.10	
		Groundwater	MW-108S-20250923	9/23/2025 13:45	9/24/2025 11:00	9/24/2025 19:04	1.22	
		Groundwater	MW-114S-20250923	9/23/2025 15:15	9/24/2025 11:00	9/24/2025 19:24	1.17	
		Groundwater	DUP-1-20250923	9/23/2025 0:01	9/24/2025 11:00	9/24/2025 19:44	1.82	

Table 4
Qualified Sample Results Due to Outlying MS/MSD and LCS/LCSD Results
September 2025 Biannual Groundwater Sampling Event
RACER Flint West #12990, Flint, Michigan

Analyte	MS or LCS % Recovery	MSD or LCSD Replicate % Recovery	RPD (percent)	Control Limits		Associated Samples	Qualified Result(s)
				% Recovery	RPD		
Report QC-S79185-01, Batch AK250924W1, Lab Sample ID 79206002M (MS)/7920603N (MSD)							
M2-4:2FTSA	176.5	170.9	3.2	50.0-150.0	30.0	FB-1, EB-1, MW-103S, MW-108S, MW-110S	MW-103S
M2-6:2FTSA	143.9	154.2	6.9	50.0-150.0	30.0		TB-1
Report QC-S79185-01, Batch CHR250923-W1, Lab Sample ID MS1/MS2							
Chromium VI	3	109	189	80-120	15	EB-1, MW-110S, MW-112S,	None
Report QC-S79185-01, Batch CHR250924-W1, MS1/MSD1							
Chromium VI	76	74	3	80-120	15	FB-1	None
Report QC-S79185-01, Batch CHR250924-W1, MS2/MSD2							
Chromium VI	21	4	102	80-120	15	FB-1	None
Report QC-S79185-01, Batch AK250924-W1, Lab Sample ID LCS250924/LCSD250924							
8:2 FTSA	72.0	100.4	32.9	70.0-130.0	30.0	FB-1, EB-1, MW-103S, MW-108S, MW-110S	None
PFUnDA	81.2	112.6	32.4	70.0-130.0	30.0		None
Report QC-S79206-01, Batch 250924B11, Lab Sample ID 7920602M MS/7920602M MSD							
Trans-1,4-Dichloro-2 -butene	54.6	53.5	2.2	68.6-135.4	30.0	FB-1, EB-1, MW-103S, MW-108S, MW-110S	None

Table 5
Field Sample Duplicate Results and Relative Percent Differences (RPD)
September 2025 Biannual Groundwater Sampling Event
RACER Flint West #12990, Flint, Michigan

Analyte (in µg/L)	MW-114S (Groundwater)		
	09/23/2025 15:15	Dup-1	RPD (%)
Arsenic, Dissolved	7	7	0.0
Arsenic	66	68	3.0
Chromium VI, Dissolved	<10	<10	--
Chromium VI	<20	<50	--
Chromium, Dissolved	<5	<5	--
Chromium	0.991	9	160.3
Copper, Dissolved	<5	<5	--
Copper	1.559	1.133	31.6
Lead, Dissolved	<3	<3	--
Lead	1.451	<3	3.3*
Selenium, Dissolved	<5	<5	--
Selenium	<5	<5	--
Zinc, Dissolved	8	7	13.3
Zinc	13	13	0.0
Acetone	<50	<50	--
Acrylonitrile	<2	<2	--
2-Butanone (MEK)	<25	<25	--
Benzene	<1	<1	--
n-Butylbenzene	<1	<1	--
Bromobenzene	<1	<1	--
Bromochloromethane	<1	<1	--
Bromodichloromethane	<1	<1	--
Bromoform	<1	<1	--
Bromomethane	<5	<5	--
sec-Butylbenzene	<1	<1	--
tert-Butylbenzene	<1	<1	--
Carbon disulfide	<5	<5	--
Carbon tetrachloride	<1	<1	--
Chlorobenzene	<1	<1	--
Chloroethane	<5	<5	--
Chloroform	<1	<1	--
Chloromethane	<5	<5	--
1,1-Dichloroethane	2	2	0.0
1,1-Dichloroethene	0.77	0.85	9.9
1,2-Dibromo-3-chloropropane	<5	<5	--
1,2-Dibromoethane	<1	<1	--
1,2-Dichlorobenzene	<1	<1	--
1,2-Dichloroethane	<1	<1	--
1,2-Dichloropropane	<1	<1	--
1,3-Dichlorobenzene	<1	<1	--
1,4-Dichlorobenzene	<1	<1	--

Table 5
Field Sample Duplicate Results and Relative Percent Differences (RPD)
September 2025 Biannual Groundwater Sampling Event
RACER Flint West #12990, Flint, Michigan

Analyte (in µg/L)	MW-114S (Groundwater)		
	09/23/2025 15:15	Dup-1	RPD (%)
cis-1,2-Dichloroethene	70	69	1.4
cis-1,3-Dichloropropene	<1	<1	--
Dibromochloromethane	<5	<5	--
Dibromomethane	<5	<5	--
Dichlorodifluoromethane	<5	<5	--
Diethyl ether	<10	<10	--
trans-1,2-Dichloroethene	0.62	0.64	3.2
trans-1,3-Dichloropropene	<1	<1	--
trans-1,4-Dichloro-2-butene	<1	<1	--
Ethylbenzene	<1	<1	--
2-Hexanone	<50	<50	--
Hexachloroethane	<5	<5	--
p-Isopropyltoluene	<5	<5	--
Isopropylbenzene	<5	<5	--
2-Methylnaphthalene	<5	<5	--
4-Methyl-2-pentanone (MIBK)	<50	<50	--
tert-Methyl butyl ether (MTBE)	<5	<5	--
Methyl iodide	<1	<1	--
Methylene chloride	<5	<5	--
Naphthalene	<5	<5	--
n-Propylbenzene	<1	<1	--
Styrene	<1	<1	--
1,1,1,2-Tetrachloroethane	<1	<1	--
1,1,1-Trichloroethane	1	1	0.0
1,1,2,2-Tetrachloroethane	<1	<1	--
1,1,2-Trichloroethane	<1	<1	--
1,2,3-Trichlorobenzene	<5	<5	--
1,2,3-Trichloropropane	<1	<1	--
1,2,3-Trimethylbenzene	<1	<1	--
1,2,4-Trichlorobenzene	<5	<5	--
1,2,4-Trimethylbenzene	<1	<1	--
1,3,5-Trimethylbenzene	<1	<1	--
Tetrachloroethene	<1	<1	--
Tetrahydrofuran	<90	<90	--
Toluene	<1	<1	--
Trichloroethene	170	160	6.1
Trichlorofluoromethane	<1	<1	--
Vinyl chloride	5	5	0.0
o-Xylene	<1	<1	--
p,m-Xylene	<2	<2	--
Xylenes, Total	<3	<3	--

Table 5
Field Sample Duplicate Results and Relative Percent Differences (RPD)
September 2025 Biannual Groundwater Sampling Event
RACER Flint West #12990, Flint, Michigan

Analyte	MW-114S (Groundwater)		
	09/23/2025 15:15	Dup-1	RPD (%)
PFBA	<10	<11	--
PFPeA	1.9	2	5.1
4:2 FTSA	<2.1	<2.1	--
PFHxA	1.7	1.8	5.7
PFBS	1.9	1.5	23.5
PFHpA	0.96	1.2	22.2
PFPeS	<2.1	<2.1	--
6:2 FTSA	<2.1	<2.1	--
PFOA	1.7	1.6	6.1
PFHxS	<2.1	<2.1	--
PFHxS-LN	<2.1	<2.1	--
PFHxS-BR	<2.1	<2.1	--
PFNA	<2.1	<2.1	--
8:2 FTSA	<2.1	<2.1	--
PFHpS	<2.1	<2.1	--
PFDA	<2.1	<2.1	--
N-MeFOSAA	<2.1	<2.1	--
EtFOSAA	<4.2	<4.2	--
PFOS	20	21	4.9
PFOS-LN	11	12	8.7
PFOS-BR	8.5	9.1	6.8
PFUnDA	<2.1	<2.1	--
PFNS	<2.1	<2.1	--
PFDoDA	<2.1	<2.1	--
PFDS	<2.1	<2.1	--
PFTTrDA	<2.1	<2.1	--
FOSA	<2.1	<2.1	--
PFTeDA	<4.2	<4.2	--
11Cl-PF3OUdS	<2.1	<2.1	--
9Cl-PF3ONS	<2.1	<2.1	--
ADONA	<2.1	<2.1	--
HFPO-DA	<10	<11	--

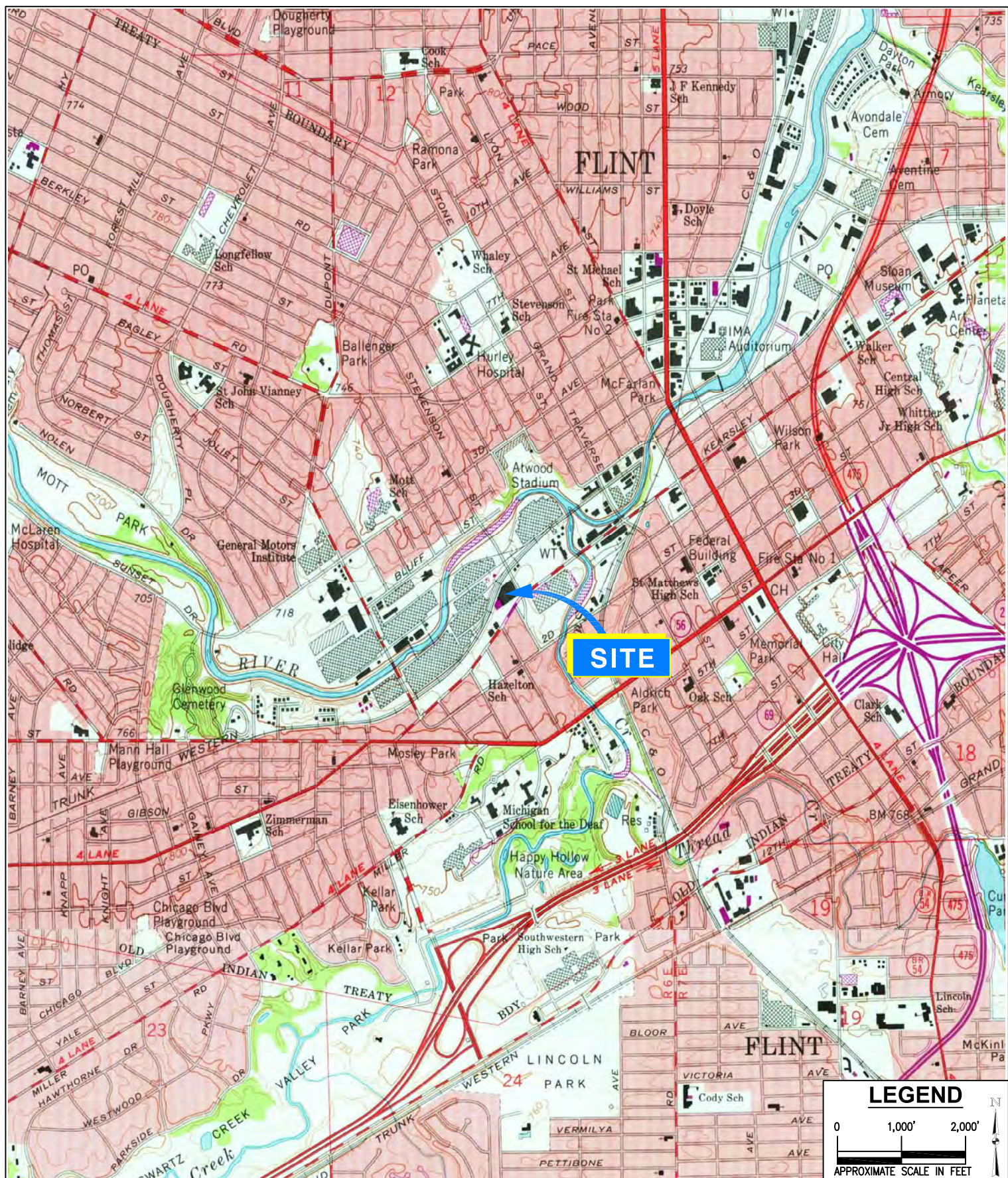
(*) Indicates the RPD was calculated assuming one of the concentrations was half the Reporting Limit, which may have biased the RPD.

NOTE: Since this validation report is included as an Appendix to the Data Report, Copies of the laboratory reports are included in the Data Report as Appendix B, Attachment 3 and are not duplicated here.



Applied *Eco*Systems, Inc.

Environmental Management, Consulting & Field Services



Applied EcoSystems, Inc.

Environmental Management, Consulting & Field Services
G-4300 South Saginaw Street, Burton, Michigan 48529
Phone: 810.715.2525; Fax: 810.715.2526

Site Location Map

RACER Flint West #12990

Glenwood Avenue & Stevenson Street
Flint, Michigan

SOURCE: USGS FLINT SOUTH QUADRANGLE
(PROVISIONAL EDITION 1975)

DRAWING DATE:

04/06/2020

CHECKED BY:

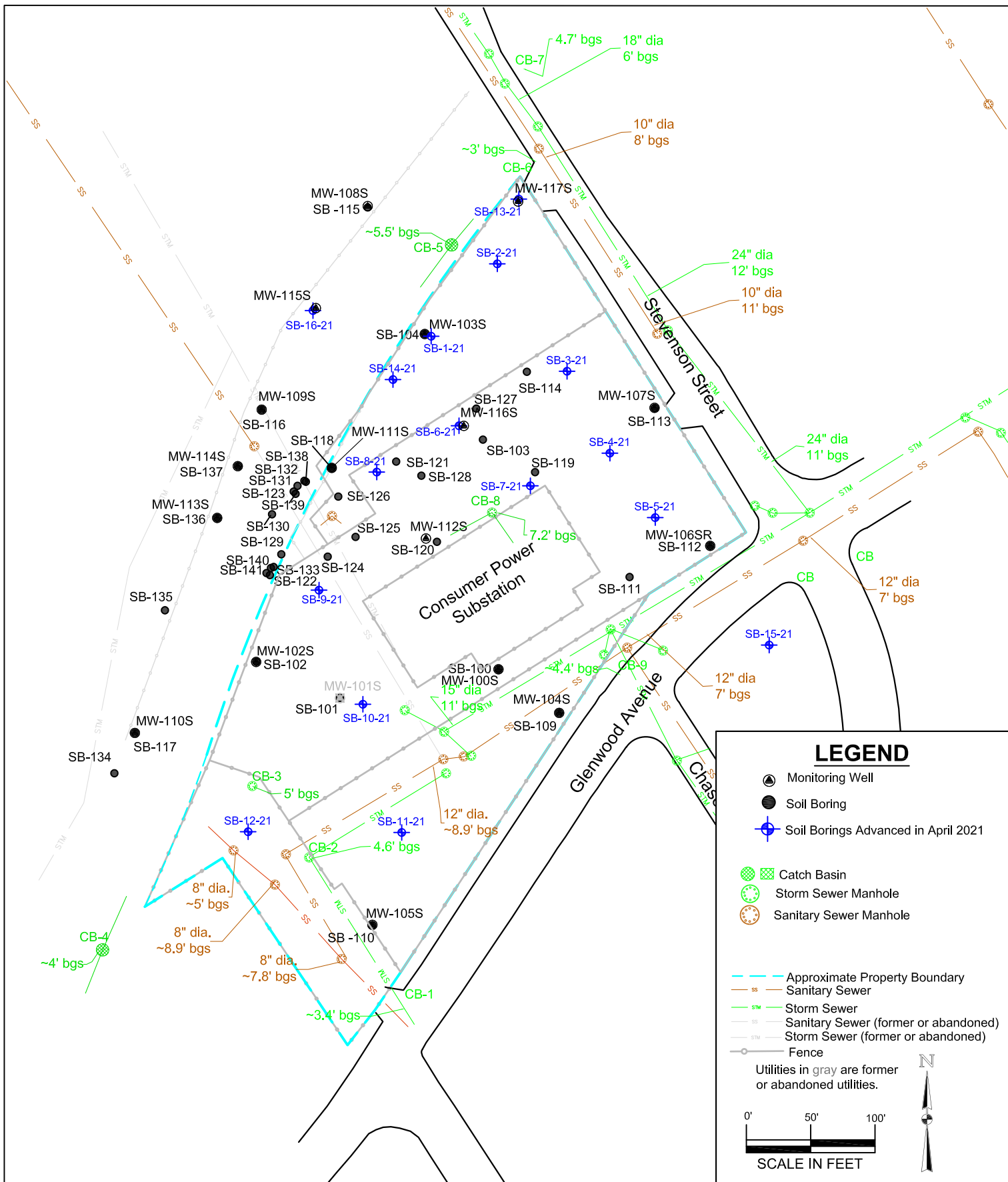
MDS

PROJECT:

11-4317-102

FIGURE:

1



Applied EcoSystems, Inc.

Environmental Management, Consulting & Field Services
G-4300 South Saginaw Street, Burton, Michigan 48529
Phone: 810.715.2525; Fax: 810.715.2526

Site Map

RACER Flint West -12990
Flint West Industrial Land, Flint, Michigan

DATE:

12/22/2025

CHECKED BY:

MDS

PROJECT:

11-4317-102

FIGURE:

2

NOTE: Since this validation report is included as an Appendix to the December 2025 Data Report, copies of the laboratory reports are included in the December 2025 Data Report as Appendix B. Attachment 3 is not duplicated here.