



REGION 10
SEATTLE, WA 98101

August 5, 2025

MEMORANDUM

SUBJECT: 2022 and 2023 Groundwater Sampling Results
McCormick & Baxter Superfund Site
Portland, OR

FROM: Kathleen Emory, Environmental Engineer

TO: Anne Christopher, RPM

The McCormick & Baxter Superfund Site is a former wood treating facility which operated from 1944 until 1991. It is located on the east bank of the Willamette River in Portland, Oregon. Although located within the Portland Harbor Superfund Site, McCormick & Baxter Superfund Site is a separate Superfund Site. The Site includes approximately 41 acres of land and 23 acres of river sediments, which were contaminated from releases of wood-treating chemical compounds to soils, groundwater, and sediments. The remedies selected in the Record of Decision (ROD) and subsequent Explanation of Significant Difference includes a subsurface barrier wall, soil cap and sediment cap. EPA Five-Year Reviews determined that the remedies are protective and functioning as intended.

EPA collected groundwater samples in April of 2022 and 2023 to determine concentrations of Site contaminants of concern (COCs) and to evaluate groundwater flow direction. These additional data were compared to Site Alternate Concentration Limit (ACLs) to evaluate whether the remedy was functioning as intended and better understand current conditions. In addition to analyzing for COCs, EPA recorded water quality parameters.

Sampling Activities

Groundwater samples were collected in April 2022 and 2023 from wells located outside the subsurface barrier wall; samples collected in 2023 also included select wells located inside the barrier wall. Samples were collected from 40 wells in 2022 and from 18 wells in 2023. Water levels were measured manually in each well, and water quality parameters (temperature, conductivity, turbidity, dissolved oxygen [DO], Oxidation-Reduction Potential [ORP] and pH) were recorded using a YSI ProDSS multiparameter water quality meter. These results are presented in Tables 1 and 2.

Analytical Results

Metals

Arsenic was detected in 35 of 40 2022 samples and 17 of 18 2023 samples. Arsenic concentrations were not detected in two wells (MW-49s and MW-61s) outside the barrier wall in the 2022 data, while 2023 had one well

(MW-36s) inside the barrier wall without arsenic detection. Arsenic, chromium, copper and zinc did not exceed their respective ACLs.

Pentachlorophenol (PCP)

There were seven detections in the 2022 samples. One of these samples was flagged by the lab to be an estimated value. The 2023 samples had four detections of PCP. PCP did not exceed the ACL in either 2022 or 2023.

Polycyclic aromatic hydrocarbons (PAHs)

Within the 2022 samples, there were fifteen that were biased non-detects, which are flagged in Table 3 with UJ. These were not included in the total count of non-detects. Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene and indeno(1,2,3-c,d)pyrene were each detected in four samples. Chrysene and benz(a)anthracene were detected in five samples. The 2023 data had more variation in sample detections than the 2022 data. Chrysene and benz(a)anthracene were detected in five samples in the 2023 data. Benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene were detected in three samples. Benzo(k)fluoranthene was detected in two samples and dibenz(a,h)anthracene was detected in one sample for the 2023 data. Neither 2022 nor 2023 data exceeded the total PAHs ACL of 43 mg/L.

Conclusions

The 2022 groundwater flow direction is consistent with past analysis, as shown in Figures 1-3. Outside the barrier wall along the east side of the Site, groundwater flows north towards Willamette Cove. Groundwater to the southwest and northwest, outside the barrier wall, flow towards the Willamette River. Inside the barrier wall groundwater flows towards the northwest corner.

Current conditions are better understood due to these sampling efforts. There are wells outside the barrier wall, in the northwest corner of the Site, that still have NAPL in them. However, there were no exceedances of ACLs in the 2022 or 2023 samples.

Table 1: 2022 Water Quality Parameters

Well ID	Date	Time	Water level (ft)	Pumping Water Level (ft)	Pump rate (L/min)	DO (mg/L)	ORP (mV)	SEC μ S/cm	Turbidity (NTU)	pH	Temperature (°C)	Volume pumped (L)
MW55s	4/21/2022	16:46	22.5	23	0.41	0.36	-71.1	385.6	5.59	6.36	13.1	13
MW53s	4/21/2022	18:19	26.35	26.45	0.45	0.09	-107.4	723	16.03	6.42	13.5	10
MW57s	4/21/2022	17:00	30.9	32.4	0.34	0	-882	483	440	6.54	12.8	7
MW59s	4/21/2022	18:35	19.35	19.4	0.4	0	-34.5	578	28	6.01	14	9
MWDs	4/21/2022	No samples collected because DNAPL present at screen where pump would be set										
EW2s	4/21/2022	Product pumped up tube aborted sampling due to real low flow and NAPL										
MWGs	4/21/2022	13:55	29.77	PID 12.6 ppm so no readings due to heavy NAPL presence. Sheen on water								
MW20i	4/21/2022	13:05	30.35	30.51	PID reading 10 ppm, visible greasy coating on inside of casing and cap.							
EW10s	4/21/2022	11:35	18.42	PID reading up to 40 ppm. 41.85 to DNAPL no YSI data due to too much NAPL clumps								8
EW34i	4/21/2022	10:55	20.86	20.9	0.48	0	-155	895	47.3	6.86	13.7	14
EW19s	4/21/2022	10:37	15.6	15.85	0.46	0.08	-100.4	638	49.9	6.39	14.3	10
MW49s	4/20/2022	17:48	18.22	18.52	0.41	0.14	0.70	298.4	109.35	6.14	11.6	13.2
MW39s	4/20/2022	09:53	19.58	20.9	0.46	0.12	-106	607	8.35	6.2	13.8	10.8
MW45s	4/20/2022	19:10	18	19.12	0.5	0	-60.1	376.1	1.37	6.16	14.2	20
MW47s	4/20/2022	15:20	24.1	24.19	0.4	0.04	-50.9	688	-4.21	6.01	13.7	9
MW39d	4/20/2022	10:55	18.35	18.7	0.5	0.02	-152.5	819	12	6.61	13.6	10
MW45i	4/20/2022	13:10	17.3	17	0.5	0	-128	5.5	105.9	6.47	14	8
MW43d	4/20/2022	11:50	17.46	17.75	0.35	0.07	-147	1101	12.14	6.81	13.2	9
MW45d	4/20/2022	15:40	18.59	19.1	0.34	0.02	-156.4	449	298	7.17	14	7
MW43s	4/20/2022	12:59	20.74	21.6	0.41	0.09	-46.5	410.4	2.53	6.05	13.5	9.2
MW43i	4/20/2022	11:40	23.45	23.47	0.5	0	-176	1008	36.4	7.05	13.4	13
MW34d	4/19/2022	16:30	16.75	17.1	0.5	0	-133.9	881	82.38	6.94	13.9	9
MW37s	4/19/2022	17:30	15.05	16.7	0.5	0.17	-81.2	657	5.7	6.42	13.8	11.5
MW37i	4/19/2022	16:20	15.55	16.55	0.38	0.06	-174.7	795	14.3	6.97	14	9.8
MW58i	4/19/2022	12:05	30.42	30.42	0.15	0.15	-158	558	6.24	6.7	12.5	5.6
MW58d	4/19/2022	12:05	30.7	30.75	0.4	0	-176.4	877	6.54	7.19	12.7	5
MW35r	4/19/2022	13:25	21.25	21.3	0.3	0.05	-125.1	704	5.39	6.74	13.2	4.5
MW1r	4/19/2022	09:40	25.95	25.98	0.24	11.21	265	26.4	40.85	7.16	9.5	4.44
MW-7wc	4/19/2022	10:10	24.2	24.65	0.28	0	-169.6	800	5.52	6.71	12.3	4.2
MW598s	4/19/2022	13:15	30.94		0.5	0.02	-132.5	518	4.29	6.6	12.7	13
MW39i	4/19/2022	17:50	21.03	22.55	0.4	-0.14	-191.1	804	25.39	7.13	13.8	11
PW2d	4/18/2022	16:45	30.02	30.1	0.34	0.06	-170	697	22	7.02	12.4	4
MW61s	4/18/2022	16:27	28.6	29.71	0.2	0	88.7	422.9	2.47	6.46	12.2	3.5
PW1d	4/18/2022	15:30	32.22	32.25	0.32	0.14	-136.4	622	25.8	6.42	12.4	3

Ft = Feet
 L/min = Liters per minute
 DO = Dissolved Oxygen
 mg/L = Milligrams per liter
 ORP = Oxidation-Reduction Potential
 mV = Millivolts
 SEC = Specific Electrical Conductivity
 µS/cm = Microsiemens per centimeter
 NTU = Nephelometric Turbidity Unit
 pH = Potential of hydrogen
 C = Celsius
 L = Liters

Table 2: 2023 Water Quality Parameters

Well ID	Date	Time	Water level (ft)	Pumping Water Level (ft)	Pump rate (L/min)	DO (mg/L)	ORP (mV)	SEC µS/cm	Turbidity (NTU)	pH	Temp °C	Volume pumped (L)
MW59s	4/3/2023	14:47	19.04	250	19.01	0.1	-77.3	0.553	1.12	5.9	13.1	5
MW47s	4/3/2023	17:20	24.86	200	24.91	0.2	-67.6	0.605	1	5.94	13.4	2.2
MW46s	4/4/2023	14:13	23.01	250	23.02	0.1	-123.2	0.893	1.76	6.23	13.9	8
MW43i	4/4/2023	17:07	21.28	250	24.2	0.2	-190.1	0.979	45.89	6.99	13.4	4
MW43d	4/4/2023	17:17	18.89	260	18.83	0.3	-169.5	1.009	22.47	6.77	13.3	6
MW42i	4/4/2023	11:45	23.81	250	25	0.1	-174.8	1.051	38.59	6.67	13.5	4
MW42d	4/4/2023	11:44	23.55	250	23.81	0.1	-197.3	0.931	102.4	6.83	13	8
MW37s	4/4/2023	10:13	15.95	300	18.66	0.2	-114	0.597	3.56	6.35	13.6	2.5
MW36s	4/4/2023	10:27	20.05	250	21.12	0.7	138.4	0.333	0.92	6.16	13.4	12
MW36i	4/4/2023	15:55	21.8	250	24.8	0.2	-161.1	0.622	31.51	6.66	13.8	3.25
MW36d	4/4/2023	16:20	21.95	250	21.62	0.1	-186.1	0.812	27.32	6.89	13.7	1
MW62i	4/5/2023	10:45	33.62	350	33.83	0.2	-166.2	0.937	3.58	6.39	14.2	6
MW58s	4/5/2023	13:51	32.02	200	32.9	4	-32.8	0.307	23.04	6.44	13	4
MW38s	4/5/2023	10:32	21.32	250	24.35	0.2	-141.1	0.463	5.05	6.22	13.8	3
MW34i	4/5/2023	12:45	24.44	250	NAPL	2.5						
EW19s	4/5/2023	12:11	16.79	260	17.18	0.2	-144.3	0.686	7.32	6.42	13.4	5
EW10s	4/5/2023	12:28	21.65	250	NAPL	2.5						

Ft = Feet
 L/min = Liters per minute
 DO = Dissolved Oxygen

mg/L = Milligrams per liter
ORP = Oxidation-Reduction Potential
mV = Millivolts
SEC = Specific Electrical Conductivity
 $\mu\text{S}/\text{cm}$ = Microsiemens per centimeter
NTU = Nephelometric Turbidity Unit
pH = Potential of hydrogen
C = Celsius
L = Liter

Table 3: 2022 Groundwater Data (µg/L)

Well ID	Arsenic (µg/L)	Chromium (µg/L)	Copper (µg/L)	Zinc (µg/L)	PCP (µg/L)	Total PAHs (µg/L)
ACL	Arsenic(III) = 1000 µg/L	Chromium (III):1000 µg/L	1000 µg/L	1000 µg/L	5000 µg/L	43,000 µg/L
EW-10s	29.7	6.6	0.8U	12U	1.4	5,766
EW-19s	22.7	7.2	2.1	12U	0.46	622
MW-1r	2.2	1.6U	3.7	12U	0.075U	ND
MW-20i	1.5	2.7	0.8U	12U	0.49	7,182
MW-32i	14.1	1.7	0.8U	12U	0.075U	ND
MW-32i dup	13.7	1.6U	0.8U	21.2	0.075U	ND
MW-34i	37.3	4	3.1	12U	0.075U	11
MW-35r	3.3	1.6U	0.8U	12U	0.075U	0.1
MW-37d	37.6	1.6U	0.8U	12U	0.075U	20
MW-37i	45.7	1.6U	0.8U	12U	0.075U	20
MW-37i dup	44.7	1.6U	0.8U	12U	0.075U	20
MW-37s	14.6	1.6U	0.8U	12U	0.17J	1,254
MW-39d	32.5	1.6U	2.8	12U	0.075U	47
MW-39d dup	32.8	1.6U	2.8	12U	0.075U	44
MW-39i	33.8	1.6U	0.8U	12U	0.075U	0.1
MW-39s	11.7	3	2.2	12U	0.075U	1
MW-43d	30.9	1.6U	0.8U	12U	0.075U	3
MW-43i	31.2	1.6U	1.5	12U	0.075U	12
MW-43s	3.3	1.6U	0.8U	12U	0.075U	0.2
MW-45d	8.9	3.2	4.1	12U	0.075U	0.1
MW-45i	39.0	1.6U	0.8U	12U	0.075U	1,212
MW-45s	32.3	1.6U	0.8U	12U	0.075U	179
MW-47s	21.0	1.6U	0.8U	12U	0.075U	4
MW-49s	0.8U	1.6U	0.8U	12U	0.075U	2
MW-53s	17.2	1.6U	0.8U	12U	540	0.7
MW-55s	4.7	1.6U	0.8U	12U	0.075U	0.4
MW-57s	10.5	2.5	2.6	12U	0.083	789
MW-58d	7.9	1.6U	1.0	12U	0.075U	0.1
MW-58i	47.9	1.6U	1.0	95.4	0.075U	0.1
MW-58s	1.6	1.6U	0.8U	12U	0.075U	0.2
MW-59s	43.6	1.6U	2	12U	0.075U	0.2
MW-61s	0.8U	15.8	3.5	22.5	0.075U	0.1
MW-7WC	11.4	1.6U	0.8U	12U	0.075U	0.1

Well ID	Arsenic (µg/L)	Chromium (µg/L)	Copper (µg/L)	Zinc (µg/L)	PCP (µg/L)	Total PAHs (µg/L)
ACL	Arsenic(III) = 1000 µg/L	Chromium (III):1000 µg/L	1000 µg/L	1000 µg/L	5000 µg/L	43,000 µg/L
MW-As	5.6	1.6U	0.8U	12U	0.075U	ND
MW-Gs	38.4	3.6	2.6	35.5	8.8	10,956
MW-Os	1.2	1.6U	5.5	162	0.075U	ND
PW-1d	5.9	3.6	4.5	22.8	0.075U	ND
PW-2d	2.5	1.6U	0.8U	ND	0.075U	ND

ACL = Alternate Concentration Limit

UJ = The analyte was not detected at or above the reported value. The reported value is an estimate.

J = The identification of the analyte is acceptable; however the reported value is an estimated

U = The analyte was not detected at or above the reported level

Table 4: 2023 Groundwater Data

Well ID	Arsenic (µg/L)	Chromium (µg/L)	Copper (µg/L)	Zinc (µg/L)	PCP (µg/L)	Total PAHs (µg/L)
ACL	Arsenic(III): 1000 µg/L	Chromium (III):1000 µg/L	1000 µg/L	1000 µg/L	5000 µg/L	43,000 µg/L
EW-10s	17.5	1.6U	1.1	12U	2.8	10,366
EW-19s	32.4	1.6U	0.8U	12U	0.26	1,273
MW-34i	40.3	1.6U	0.8U	12U	0.074U	67
MW-36d	40.5	1.6U	2.9	12U	0.074U	12
MW-36i	40.2	1.8	1.2	12U	0.074U	9
MW-36s	0.8U	11.6	0.8U	12U	0.22	ND
MW-37s	13.7	1.6U	0.8U	12U	0.074U	1,383
MW-38s	18.2	1.6U	0.8U	12U	0.074U	0.2
MW-42d	54.8	1.6U	0.8U	12U	0.074U	ND
MW-42i	61.0	3.1	6.0	12	0.11	43
MW-43d	33.5	1.6U	0.8U	12U	0.074U	3
MW-43i	30.7	1.6U	0.89	12U	0.074U	13

Well ID	Arsenic (µg/L)	Chromium (µg/L)	Copper (µg/L)	Zinc (µg/L)	PCP (µg/L)	Total PAHs (µg/L)
ACL	Arsenic(III): 1000 µg/L	Chromium (III):1000 µg/L	1000 µg/L	1000 µg/L	5000 µg/L	43,000 µg/L
MW-46s	11.8	1.6U	1.7	12U	0.074U	0.4
MW-46s dup	11.6	1.6U	1.2	12U	0.074U	0.6
MW-47s	21.2	1.6U	0.8U	12U	0.074U	3
MW-58s	1.6	1.6U	2.5	12U	0.074U	0.3
MW-59s	48.6	1.6U	0.8U	12U	0.074U	ND
MW-62i	48.3	1.6U	1.0	12U	0.074U	131

ACL = Alternate Concentration Limit

U = The analyte was not detected at or above the reported level



Figure 1: Shallow Groundwater Contour Map for June 2022 Sampling event

McCormick and Baxter Superfund Site Portland, Oregon

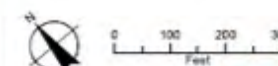
LEGEND

- Site-Wide Groundwater Quality Sampling Well
- Infiltration Pond Assessment Sampling Well
- Groundwater Monitoring Well
- Swale
- Infiltration Pond
- Subsurface Barrier Wall

- Outside barrier wall Groundwater Elevation
- Inside barrier wall Groundwater Elevation

Base map is Figure IV-1 from fifth Five Year Review (DEQ and EPA, 2021).

Date: June 6, 2021
Data Source: Aerial photo City of Portland, 2005



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A division of Fluor & AECOM Water Solutions, Inc.



Figure 2: Deep Groundwater Contour Map for June 2022 Sampling event

McCormick and Baxter Superfund Site Portland, Oregon

LEGEND

- Site-Wide Groundwater Quality Sampling Well
- Infiltration Pond Assessment Sampling Well
- Groundwater Monitoring Well
- ▨ Swale
- Infiltration Pond
- ▬ Subsurface Barrier Wall

Outside barrier wall

Groundwater Elevation

Inside barrier wall
Groundwater Elevation

Base map is Figure IV-1 from fifth Five Year Review (DEQ and EPA, 2021).

NOTE
Water quality samples were taken during the two monitoring events in 2022.

Date: June 8, 2021
Data Sources: Aerial photo City of Portland, 2020

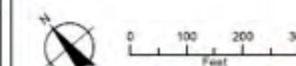




Figure 3: Shallow Groundwater Contour Map for June-July 2021

McCormick and Baxter
Superfund Site Portland, Oregon

LEGEND

- Shallow Groundwater Monitoring Well
- Groundwater Monitoring Well with Transducer
- Groundwater Elevation Contour (dashed where inferred)
- Willamette River Water Level During Sampling Event (2.75 feet)
- Subsurface Barrier Wall

Figure 4 from 2021
Operations and
Maintenance Report
(Hart Crowder and GDI,
2022)

NOTES

1. Groundwater elevation measurements collected at wells screened in the shallow water table. See tables for groundwater elevations at intermediate and deep intervals.
2. MW 1a was not used in 2021 contouring map.
3. Elevations shown in NAVD83.
4. Aerial photo taken summer of 2018.
5. Water levels measured between 9:00 a.m. and 4:00 p.m.
6. Willamette River low tide at 2:30 p.m. River elevation: 8.75 feet NAVD83.

NM = Not Measured

Date: March 28, 2022
Data Source: City of Portland Imagery (Summer 2021)



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Water Systems, Inc.

Appendices

Appendix A 2022 Ground Water Sampling Logs

Appendix B 2022 YSI ProDSS Calibration Records

Appendix C 2023 Ground Water Sampling Logs

Appendix D 2023 YSI ProDSS Calibration Records

Appendix E 2022 Final Data Reports

Appendix F 2023 Final Data Reports

Appendix A 2022 Ground Water Sampling Logs

Ground Water Sampling Log

Site Name: M+B Well #: MW-15 Date: 4/18/22
 Well Depth(Ft-BTOC¹): _____ Screen Interval(Ft): _____
 Well Dia.: 2" Casing Material: PVC Sampling Device: Peristaltic
 Pump placement(Ft from TOC²): 26
 Measuring Point: BLACK MARK Water level (static)(Ft): 20.60 LNAPL / DNAPL
TOC NO
 Water level (pumping)(Ft): 21.45 Pump rate(Liter/min): 360mL/min
1113 START
 Sampling Personnel: Brent Richmond

Other info: (such as sample numbers, weather conditions and field notes)

RAINY SS INSIDE GARAGE
Bubbles CAUSING NTU TO FLUCTUATE

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1115	360mL/min	21.45	0.45	-90.9	350.9	161	6.21	14.1	1.5L
1118	360mL/min	21.65	0.19	-101.4	369.9	164	6.23	14.1	2.1L
1121	360mL/min	21.65	0.10	-105.7	377.9	14.5	6.23	14.1	3.6L
1125	360mL/min	21.67	0.03	-109	385.7	18.3	6.25	14.1	4.0
1128	360mL/min	21.67	0.00	-108	384.2	25.8	6.23	14.1	5.0
1131	360mL/min	21.62	0.00	-110	380.1	37.22	6.26	14.1	6.0

Type of Samples collected:

Table continues on back, if needed

1135 22174701 6 Amber 1 L ms/msd
2 PVC 500mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: McCormick & Baxter
Well Depth (Ft-BTOC¹):

Well #: 32 I Date: 4/18/22
Screen Interval (Ft): 50.65' - 60.65'

Well Dia.: 4"

Casing Material: steel Sampling Device: peristaltic

Pump placement (Ft from TOC²): 55'

Measuring Point: Black mark top of casing (TOC)

Water level (static) (Ft): 27.56'

Water level (pumping) (Ft):

Pump rate (Liter/min): 220 ml/min

Sampling Personnel:

10:51 start

Other info: (such as sample numbers, weather conditions and field notes)

Weather condition = Rainy

1120

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
10:56	220 ml/min	27.60	5.4	-89.2	828	2.96	6.30	13.4	500 ml
10:59	220 ml/min	27.59	9.35	-94.7	832	14.5	6.34	13.5	1000 ml
11:02	220	27.55	0.26	-99.8	847	7.90	6.36	13.5	1500
11:05	220	27.59	0.22	-103.2	853	13.27	6.38	13.5	2000
11:08	220	27.59	0.2	-107.4	868	12.41	6.42	13.5	2500
11:11	220	27.59	0.19	-109.2	872	13.32	6.41	13.5	3200
11:14	220		0.17	-110.4	876	13.92	6.41	13.5	4000

Type of Samples collected:

Table continues on back, if needed

22174200 11:26

2X1-liter amber
1x500ml poly

22174202 11:20 - Duplicate

2X1-liter amber
1x500ml poly

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McLennan St & Boster* Well #: *MV03* Date: *4/18/22*
 Well Depth(Ft-BTOC¹): *44.43* Screen Interval(Ft):
 Well Dia.: *2"* Casing Material: *PVC* Sampling Device: *peristaltic pump*
 Pump placement(Ft from TOC²): *23'*
 Measuring Point: *Black mark TOC* Water level (static)(Ft): *21.83*
 Water level (pumping)(Ft): *21.95* Pump rate(Liter/min): *500 ml/min*
 Sampling Personnel: *start time 1:35 pm*

Other info: (such as sample numbers, weather conditions and field notes)

Noted from bacteric Weather - Rainy Restriction in well
PID = 0.0

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>1:45</i>	<i>500 ml/min</i>	<i>21.95</i>	<i>0.04</i>	<i>-49.9</i>	<i>377.5</i>	<i>79.4</i>	<i>6.32</i>	<i>13.3</i>	<i>500</i>
<i>1:48</i>	<i>500 ml/min</i>	<i>21.95</i>	<i>0.02</i>	<i>-40.4</i>	<i>371.0</i>	<i>73.57</i>	<i>6.29</i>	<i>13.3</i>	<i>2000</i>
<i>1:51</i>	<i>300</i>	<i>21.90</i>	<i>0.06</i>	<i>-38.0</i>	<i>362.3</i>	<i>61.12</i>	<i>6.26</i>	<i>13.2</i>	<i>2500</i>
<i>1:54</i>	<i>300</i>	<i>21.90</i>	<i>0.07</i>	<i>-34.2</i>	<i>357.1</i>	<i>61.90</i>	<i>6.25</i>	<i>13.2</i>	<i>2800</i>
<i>1:57</i>	<i>200</i>	<i>21.90</i>	<i>0.08</i>	<i>-37.0</i>	<i>356.3</i>	<i>62.18</i>	<i>6.26</i>	<i>13.2</i>	<i>3000</i>
<i>2:00</i>	<i>300</i>	<i>21.90</i>	<i>0.10</i>	<i>-37.1</i>	<i>353.7</i>	<i>60.59</i>	<i>6.25</i>	<i>13.1</i>	<i>4200</i>

Type of Samples collected:

Table continues on back, if needed

Sample 2217 4204 1 x 500ml Poly
2 x 1-liter amber

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: MB Well #: PW1d Date: 4/18/22
 Well Depth(Ft-BTOC¹): Screen Interval(Ft):
 Well Dia.: 12" Casing Material: STEEL Sampling Device: Peristaltic
 Pump placement(Ft from TOC²): 100 BLADON PUMP
 Measuring Point: TOC Notch in STALL Water level (static)(Ft): 32.22
 Water level (pumping)(Ft): 102 Pump rate(Liter/min): 1512 @ 320 mL/min
 Sampling Personnel: Brent Richmond

Other info: (such as sample numbers, weather conditions and field notes)

Rainy 56 Sulfur smell Bubbles in line TURBIDITY FLUCTUATING

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1519	320 mL/min	32.25	0.71	-133.9	624	7.84	6.41	12.4	1000 mL
1521	320 mL/min	32.25	0.31	-134.6	623	8.40	6.40	12.4	1300 mL
1524	320 mL/min	32.25	0.24	-134.3	623	10.0	6.38	12.4	1500 mL
1527	320 mL/min	32.25	0.19	-134.2	623	16.26	6.38	12.4	2500 mL
1530	320 mL/min	32.25	0.14	-134.2	622	25.4	6.42	12.4	3000 mL
				-136.4				12.4	

Type of Samples collected:

1530 22174403 2 Amper 1 L
 1 Poly 500 mL

Table continues on back, if needed

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McLannan & Busch* Well #: *MW 613* Date: *4/18/22*
 Well Depth(Ft-BTOC¹): _____ Screen Interval(Ft): _____
 Well Dia.: *2"* Casing Material: *stainless steel* Sampling Device: *peristaltic pump*
 Pump placement(Ft from TOC²): *29' 31"*
 Measuring Point: *TOC* Water level (static)(Ft): *28.6'*
 Water level (pumping)(Ft): *29.71'* Pump rate(Liter/min): *200 ml/min*
 Sampling Personnel: *4:08 PM*

Other info: (such as sample numbers, weather conditions and field notes)

Boulders from well Weather Windy and Raining

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
4:11	200 ml/min	29.71	0.07	72.4	428.6	4.9	6.47	12.1	1000 ml
4:14	200 ml	29.71	0.07	75.8	427.0	4.52	6.48	12.0	1250
4:17	200 ml	29.71	0.04	79.7	426.7	3.38	6.47	12.0	1500
4:20	200 ml	29.71	0.02	82.9	425.1	3.25	6.47	12.1	2000
4:23	200 ml	29.71	0.0	86.2	423.9	2.50	6.46	12.2	3000
4:26	200 ml	29.71	0.01	98.7	422.9	2.47	6.46	12.2	3500

Type of Samples collected:

Table continues on back, if needed

Sample collected 4:27 pm

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:
 Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

22174206 = Sample ID

Ground Water Sampling Log

Site Name: *MRB*
Well Depth(Ft-BTOC¹): *79 50ft bottom*

Well #: *BW-20*
Screen Interval(Ft):

Date: *4/18/20*

Well Dia.: *12*

Casing Material: *STEEL*

Sampling Device: *BLAODOR 2 1/2"*

Pump placement(Ft from TOC²): *86 75*

Measuring Point: *TOC*

Water level (static)(Ft): *30.02*

Water level (pumping)(Ft):

Pump rate(Liter/min): *340 L/min*

Sampling Personnel: *Brent Richmond* *1620*

Other info: (such as sample numbers, weather conditions and field notes)

R.N. Sulfur / HYDROCARBON odor 0.0 on PID
Bubbles decompressing in flow coil PLUTON TURB

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>1633</i>	<i>340 mL/min</i>	<i>30.05</i>	<i>0.26</i>	<i>-161.0</i>	<i>685</i>	<i>10.6</i>	<i>6.96</i>	<i>12.3</i>	<i>2500L</i>
<i>1636</i>	<i>340 mL/min</i>	<i>30.05</i>	<i>0.14</i>	<i>-165.1</i>	<i>688</i>	<i>27.3</i>	<i>6.95</i>	<i>12.5</i>	<i>3000L</i>
<i>1639</i>	<i>340 mL/min</i>	<i>30.07</i>	<i>0.10</i>	<i>-167.2</i>	<i>691</i>	<i>12.70</i>	<i>6.96</i>	<i>12.4</i>	<i>3400L</i>
<i>1642</i>	<i>340 mL/min</i>	<i>30.07</i>	<i>0.07</i>	<i>-169.1</i>	<i>694</i>	<i>16.0</i>	<i>6.97</i>	<i>12.4</i>	<i>3800L</i>
<i>1645</i>	<i>340 mL/min</i>	<i>30.10</i>	<i>0.06</i>	<i>-170.0</i>	<i>697</i>	<i>22.0</i>	<i>7.02</i>	<i>12.4</i>	<i>4000L</i>

Type of Samples collected:

Table continues on back, if needed

2 1645 2 Amber 1L
1 Poly 500mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Sample ID: 22174205

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Baxter*
Well Depth(Ft-BTOC¹):

Well #: *MW 39;*
Screen Interval(Ft):

Date: *4/19/22*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic pump*

Pump placement(Ft from TOC²): *50'*

Measuring Point: *TOC Black*

Water level (static)(Ft): *21.03*

Water level (pumping)(Ft): *22.55'*

Pump rate(Liter/min): *400 ml/min*

Sampling Personnel:

5:15pm

Other info: (such as sample numbers, weather conditions and field notes)

Weather - overcast, Bubbles in flow cell, Turbidity fluctuated

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>5:18</i>	<i>400</i>	<i>22.55</i>	<i>0.58</i>	<i>-154.6</i>	<i>801</i>	<i>5.12</i>	<i>7.14</i>	<i>13.8</i>	<i>1000ml</i>
<i>5:21</i>	<i>400</i>	<i>22.55</i>	<i>0.19</i>	<i>-172.4</i>	<i>799</i>	<i>4.03</i>	<i>7.14</i>	<i>13.8</i>	<i>2000ml</i>
<i>5:24</i>	<i>400</i>	<i>22.55</i>	<i>0.04</i>	<i>-180.3</i>	<i>798</i>	<i>7.44</i>	<i>7.15</i>	<i>13.7</i>	<i>3000ml</i>
<i>5:27</i>	<i>400</i>	<i>22.55</i>	<i>0.03</i>	<i>-185.3</i>	<i>798</i>	<i>10.26</i>	<i>7.14</i>	<i>13.8</i>	<i>4000ml</i>
<i>5:30</i>	<i>400</i>	<i>22.55</i>	<i>-0.07</i>	<i>-187.6</i>	<i>798</i>	<i>14.47</i>	<i>7.14</i>	<i>13.8</i>	<i>5000ml</i>
<i>5:33</i>	<i>400</i>	<i>22.55</i>	<i>-0.08</i>	<i>-188.7</i>	<i>801</i>	<i>9.72</i>	<i>7.14</i>	<i>13.8</i>	<i>6000ml</i>
<i>5:36</i>	<i>400</i>	<i>22.55</i>	<i>-0.10</i>	<i>-189.8</i>	<i>802</i>	<i>9.57</i>	<i>7.14</i>	<i>13.8</i>	<i>7500ml</i>

Type of Samples collected: *5:15 - 5:36* Table continues on back, if needed

sample # 22174223 Time 5:50 pm
sample # QC 22174223 5:58 pm

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:

Well Depth(Ft-BTOC¹): 35

Well #: MW 585

Screen Interval(Ft):

Date: 4/19/22

Well Dia.: 2"

Casing Material: PVC

Sampling Device: BLADDER

Pump placement(Ft from TOC²): 28' 33"

Measuring Point:

Water level (static)(Ft): 30.94

Water level (pumping)(Ft):

Pump rate(Liter/min): 1230 500 mL/min

Sampling Personnel: Brent Robinson

Other info: (such as sample numbers, weather conditions and field notes)

RAINY

unable to get water level/deet draw down ~ 32' w/c

Water Quality Indicator Parameters

Kept Flow

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
12:37	5 L/min	NA	4.4	-49.9	262.3	114	6.46	12.8	2000 mL
12:43			2.1	-86.5	423.9	37.	6.55	12.7	5000
12:47			.44	-110.4	454.3	22.60	6.59	12.7	6750
12:50			.25	-118.9	471.6	16.55	6.59	12.7	7500
12:53			.13	-123.9	486.3	7.16	6.59	12.7	8500
12:56			0.08	-126.7	496.2	10.43	6.59	12.7	9000
12:59			0.05	-128.7	514	11.45	6.59	12.7	10000

Type of Samples collected:

115
22174217

2 ANDER 1L
1 Ford 500 mL

Table continues on back, if needed

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
S.C.	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: **MGB**
Well Depth(Ft-BTOC¹): **37.6'**

Well #: **MW-7WC**
Screen Interval(Ft): **N/A**

Date: **1/19/22**

Well Dia.: **2"**

Casing Material: **PVC**

Sampling Device:

Pump placement(Ft from TOC²): **34'**

Peristaltic

Measuring Point: **TOC BLACK MARY** Water level (static)(Ft): **24.2'**

Water level (pumping)(Ft): **24.1'**

Pump rate(Liter/min): **0.951 280 mL/min**

Sampling Personnel: **Doreen Richardson**

Other info: (such as sample numbers, weather conditions and field notes)

RA.NJ

Water Quality Indicator Parameters

Time	Pumping rates (ML/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
0955	280 mL/min	24.65	0.62	-161.8	806	7.35	6.60	12.3	500 mL
0958	280	24.65	0.24	-164.6	805	5.10	6.63	12.4	2000 mL
1001	280	24.65	0.13	-166.2	803	4.31	6.66	12.4	3000 mL
1004	280	24.65	0.05	-167.7	802	4.02	6.67	12.3	3700 mL
1007	280	24.65	0.00	-169.6	800	5.52	6.71	12.3	4200 mL

Type of Samples collected:

Table continues on back, if needed

**22174207 Time 1010 2 MGB 1L
1 Poly 500 mL**

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance



Ground Water Sampling Log

Site Name: *McCormick & Baxter* Well #: *1R* Date: *4/19/02*
Well Depth(Ft-BTOC¹): *49.8'* Screen Interval(Ft): *N/A*
Well Dia.: *4"* Casing Material: *stainless steel* Sampling Device: *peristaltic pump*
Pump placement(Ft from TOC²): *40'*
Measuring Point: *TOC high side* Water level (static)(Ft): *25.95'*
Water level (pumping)(Ft): *29.98'* Pump rate(Liter/min): *240 ml/min*
Sampling Personnel: *9:17 am start*

Other info: (such as sample numbers, weather conditions and field notes) *lots of iron reduction Bacteria*
weather - Rainy, well seal is allowing pooled surface water to enter well.
2 Feet of soft Bottom Water Quality Indicator Parameters *There is a screen*

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
9:24	240	29.98	11.19 11.19	266.8	28.1	40.73	7.16	9.6	2000 ml
9:29	240	29.98	11.19	266.8	27.3	40.78	7.15	9.6	3400
9:32	240	29.98	11.19	265.4	26.9	40.83	7.16	9.6	3700
9:35	240	29.98	11.21	265.0	26.4	40.85	7.16	9.5	4440

Type of Samples collected:

Table continues on back, if needed

Sample 22174234 sample time 9:40 am

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:
Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1:00	250	20.48	1.31	200.0	0.04	40.82	5.00	8.2	250
1:30	250	20.48	1.31	200.4	0.04	40.82	5.00	8.0	500
2:00	250	20.48	1.31	200.8	0.03	40.38	5.00	8.0	750

[illegible]

MW-35R
Ground Water Sampling Log

Site Name: McCormick + Baxter
Well Depth(Ft-BTOC¹): 38.5'

Well #: ^{MW} 35258
Screen Interval(Ft):

Date: 4/19/22

Well Dia.: 2"

Casing Material: stainless steel
Sampling Device: peristaltic pump

Pump placement(Ft from TOC²): 35'

Measuring Point: TBC

Water level (static)(Ft): 21.25'

Water level (pumping)(Ft): 21.30'

Pump rate(Liter/min): 300 ml/min

Sampling Personnel:

1305

Other info: (such as sample numbers, weather conditions and field notes)

Weather - Rainy - Rust colored water - Fe Red. bacteria?

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1308	300 ml	21.30	0.15	-114.4	702	7.90	6.74	13.1	750 ml
1311	300	21.30	0.12	-117.2	703	11.90	6.74	13.1	1250
1314	300	21.30	0.09	-119.4	702	7.09	6.74	13.2	2000
1317	300	21.30	0.08	-121.8	703	5.60	6.74	13.2	2850
1320	300	21.30	0.06	-124.0	704	5.10	6.74	13.1	3700
1323	300	21.30	0.05	-125.1	704	5.39	6.74	13.2	4500

Type of Samples collected:

Table continues on back, if needed

Sample # 2917 & 2908 Sample 1325

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: Well # MWS8D Date: 4/19/22
 Well Depth (ft-BTOC): 89.25 Casing Material: PVC Sampling Device: 8" Borehole
 Well Dia.: 2" Screen Interval (ft):

Pump placement (ft from TOC): 87 Measuring Point: TBC
 Water level (pumping) (ft): 30.75 Water level (static) (ft): 30.7'
 Pump rate (Liter/min): 1145 Sampling Personnel: Brent A. Clark

Other info: (such as sample numbers, weather conditions and field notes)

24.2

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC _d	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1152	400	30.75	0.92	-162	876	18.3	7.15	12.6	2000mL
1155	400	30.75	0.11	-1728	878	10.15	7.18	12.6	3000mL
1158	400	30.80	0.02	-175.2	879	8.27	7.19	12.7	3750mL
1201	400	30.85	0.00	-176.4	877	6.54	7.19	12.7	5000mL

Type of Samples collected:

22/7/21 1205 2 Amers 1 Poly 500mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:
 Total volume purged prior to sample collection:
 BTOC-Below Top of Casing
 TOC-Top of Casing
 Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCombs & Baxter*
Well Depth(Ft-BTOC¹): *40.2'*

Well #: *W58 I*
Screen Interval(Ft):

Date: *4/19/22*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic Pump*

Pump placement(Ft from TOC²): *38'*

Measuring Point: *TOC*

Water level (static)(Ft): *30.42'*

Water level (pumping)(Ft): *32.42*

Pump rate(Liter/min): *150 ml/min*

Sampling Personnel:

1120

Other info: (such as sample numbers, weather conditions and field notes)

water has slight Amber color

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1133	150ml	31'	<i>1.39</i>	0.4	193.1	12.75	6.30	12.4	1000ml
1136	150ml	31'	0.59	-35.2	197.0	16.55	6.40	12.4	2000
1139	150ml	31'	0.45	-52.3	212.9	14.35	6.43	12.4	2500
1142	150ml	31'	0.36	-69.6	236.4	16.06	6.49	12.4	2750 2750
1145	150ml	31'	0.31	-90.1	269.7	13.55	6.55	12.5	3250
1148	150ml	31'	0.30	-102.9	300.3	12.60	6.59	12.5	3500
1151	150ml	31'	0.20	-125.0	368.2	11.45	6.62	12.5	4000ml

Type of Samples collected:

3.55 0.125 0.05 0.025 0.0125 Table continues on back, if needed

Sample 22174216 1205

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
S.C.	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McConnick & Baxter*
Well Depth(Ft-BTOC¹):

Well #: *MW 37;*
Screen Interval(Ft):

Date: *4/19/22*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic Pump*

Pump placement(Ft from TOC²): *44'*

Measuring Point: *TDC*

Water level (static)(Ft): *16.56 16.55*

Water level (pumping)(Ft): *16.55*

Pump rate(Liter/min): *3:31 pm
380 ml/min*

Sampling Personnel:

Other info: (such as sample numbers, weather conditions and field notes)

Weather- over cast / Raining

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
3:35	380 ml	16.55	0.33	-156.8	803	12.80	6.99	13.8	1000 ml
3:38	380 ml	16.55	0.27	-162.2	803	18.50	6.99	13.9	1280
3:41	380 ml	16.55	0.17	-168.2	802	33.77	6.99	13.9	2500
3:44	380 ml	16.55	0.13	-170.9	801	52.80	6.99	13.9	3500
3:47	380 ml	16.55	0.10	-173.6	798	77.0	6.99	13.9	4000
3:50	380 ml	16.55	0.08	-175.2	769	97.27	6.99	13.9	4600
3:53	380 ml	16.55	0.07	-175.5	796	610.2	6.99	13.9	5000

Type of Samples collected:

Table continues on back, if needed

Print cleaned matter out of flow cell and corrected Turbidity Reading

Sample # 22174219 Time 4:10

Sample # 22174220 Dup. 4:20 Time

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
3:56	380ml	16.55	0.16	-165.7	795	5.73	6.91	13.9	7000
3:59	380ml	16.55	0.09	-170.5	793	7.70	6.99	13.9	8200
4:02	380ml	16.55	0.08	-172.8	794	10.29	6.99	13.9	9000
4:05	380ml	16.55	0.06	-174.7	795	14.30	6.97	14.0	9800
4:09	380ml	16.55	0.13	-170.5	801	25.20	6.94	13.9	38000
4:11	380ml	16.55	0.13	-168.5	805	23.20	6.96	13.9	38000
4:18	380ml	16.55	0.50	-160.5	803	12.20	6.99	13.9	38000

[illegible]

Ground Water Sampling Log

Site Name: *McLaurin & Baxter* Well #: *MW-373* Date: *4/19/22*
 Well Depth(Ft-BTOC¹): _____ Screen Interval(Ft): _____
 Well Dia.: *2"* Casing Material: *PVC* Sampling Device: *Bladder*
 Pump placement(Ft from TOC²): *25'*
 Measuring Point: *Black mark* Water level (static)(Ft): *15.05'*
 Water level (pumping)(Ft): *16.7'* Pump rate(Liter/min): *500 ml/min*
 Sampling Personnel: *Brent Richmond* *4:49 pm*

Other info: (such as sample numbers, weather conditions and field notes)

Transducer pulled at 4:39 pm

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
16:56	.5	16.7	.27	-57.8	621	45.45	6.40	13.8	2.0
17:00	.5	16.7	.43	-57.8	621	39.82	6.40	13.8	3.5
17:03	.5	16.7	.55	-60.6	623	27.09	6.40	13.8	4.5
17:06	.5	16.7	.44	-62.3	623	15.43	6.40	13.8	5.75
17:09	.5		0.33	-65.6	629	11.04	6.40	13.8	6.5
17:12	.5		0.27	-69.2	635	9.35	6.40	13.8	7.5
17:15	.5	16.7	0.21	-73.3	643	7.98	6.40	13.8	9.02

Type of Samples collected: *17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100* Table continues on back, if needed

sample ID: 22174221
 sample Time: 1730
 sample ID: 22174244
 Blank Time: 1800

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:
 Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: **M+8**
Well Depth(Ft-BTOC¹):

Well #: **mw37d**
Screen Interval(Ft):

Date: **4/19/22**

Well Dia.: **2"**

Casing Material: **pvc** Sampling Device: **Peristaltic**

Pump placement(Ft from TOC²): **80'**

Measuring Point: **TbC**

Water level (static)(Ft): **16.75**

Water level (pumping)(Ft): **17.1**

Pump rate(Liter/min): **1600 .5 L/min**

Sampling Personnel: **Brent R. Chapman**

Other info: (such as sample numbers, weather conditions and field notes)

1511 PULCO X PUCON

Restriction @ 5.8'

Bridges is Cell Decompressing and water

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1612	.5L/min	17.1	2.23	-122.1	888	10.79	6.91	14.0	1 L
1615	.5L/min	17.5	6.28	-159.6	885	40.10	6.93	14.0	3 L
1619	.5L/min	17.12	0.02	-169.8	885	52.77	6.94	13.9	5 L
1622	.5L/min	17.13	0.00	-172.0	885	52.91	6.94	13.9	6 L
1625	.5L/min	17.15	0.00	-173.9	881	52.35	6.94	13.9	9 L

Type of Samples collected:

Table continues on back, if needed

1630 22174218
2 AMBER 1 L
1 POLY 500 mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: **Mrb**
Well Depth(Ft-BTOC¹):

Well #: **MW-431**
Screen Interval(Ft):

Date: **04-20-22**

Well Dia.: **2"**

Casing Material: **PVC**

Sampling Device:

BLACK PUMP

Pump placement(Ft from TOC²): **50'**

Measuring Point: **TOC BLACK MANH**

Water level (static)(Ft): **23.45**

Water level (pumping)(Ft): **23.47**

Pump rate(Liter/min): **1115 @**

Sampling Personnel: **Brent Richardson**

Other info: (such as sample numbers, weather conditions and field notes)

RAIN

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1121	5.00 L/min	23.45	0.90	-113.2	974	5.8	7.03	13.3	4 L
1124	5.5 L/min	24.6	0.29	-145.8	977	5.9	7.04	13.4	6.5 L
1127	5.5 L/min	25.28	0.09	-161.7	991	36.0	7.05	13.4	6 L
1130	5.5 L/min	25.20	0.03	-168.9	1001	35.8	7.05	13.4	10 L
1133	5.5 L/min	25.20	0.02	-171.9	1005	39.9	7.05	13.4	11 L
1136	5.5 L/min	25.20	0.00	-175.1	1007	38.7	7.05	13.4	12.5 L
1139	5.5 L/min	25.20	0.00	-176	1008	36.4	7.05	13.4	13 L

Type of Samples collected:

Table continues on back, if needed

22174229 2 Amber 1 L
1140 1 Poly 500 mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Baxter*
Well Depth(Ft-BTOC¹):

Well #: *MD 435*
Screen Interval(Ft):

Date: *4/20/22*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic pump*

Pump placement(Ft from TOC²): *25'*

Measuring Point: *Black mark TOC*

Water level (static)(Ft): *20.74'*

Water level (pumping)(Ft): *21.60'*

Pump rate(Liter/min): *410 ml/min*

Sampling Personnel:

239

Other info: (such as sample numbers, weather conditions and field notes)

weather - Rainy - slight rust color in water

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>1239</i>	<i>410</i>	<i>21.60</i>	<i>1.11</i>	<i>-72.5</i>	<i>351.1</i>	<i>19.21</i>	<i>6.11</i>	<i>13.3</i>	<i>3000</i>
<i>1242</i>	<i>410</i>	<i>21.60</i>	<i>0.81</i>	<i>-57.8</i>	<i>348.1</i>	<i>7.04</i>	<i>6.07</i>	<i>13.3</i>	<i>4200</i>
<i>1245</i>	<i>410</i>	<i>22.75</i>	<i>0.25</i>	<i>-49.3</i>	<i>351.1</i>	<i>3.84</i>	<i>6.05</i>	<i>13.0</i>	<i>5000</i>
<i>1248</i>	<i>410</i>	<i>22.75</i>	<i>0.19</i>	<i>-45.1</i>	<i>356.9</i>	<i>2.78</i>	<i>6.03</i>	<i>13.4</i>	<i>6200</i>
<i>1251</i>	<i>410</i>	<i>23.22</i>	<i>0.10</i>	<i>-42.3</i>	<i>375.0</i>	<i>2.44</i>	<i>6.01</i>	<i>13.4</i>	<i>7100</i>
<i>1254</i>	<i>410</i>	<i>23.22</i>	<i>0.08</i>	<i>-43.8</i>	<i>400.8</i>	<i>3.04</i>	<i>6.02</i>	<i>13.4</i>	<i>8100</i>
<i>1257</i>	<i>410</i>	<i>23.22</i>	<i>0.09</i>	<i>-44.5</i>	<i>410.4</i>	<i>2.53</i>	<i>6.05</i>	<i>13.5</i>	<i>9200</i>

Type of Samples collected:

Table continues on back, if needed

Sample # 22174230 collected at 1259

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: **MB**
Well Depth(Ft-BTOC¹):

Well #: **MW-456**
Screen Interval(Ft):

Date: **4/20/22**

Well Dia.: **2**

Casing Material: **PVC** Sampling Device: **BLADDER**

Pump placement(Ft from TOC²): **84**

Measuring Point: **TOC BACK MARK**

Water level (static)(Ft): **18.59**

Water level (pumping)(Ft): **19.10**

Pump rate(Liter/min): **1505 @ 29.340 L/min**

Sampling Personnel: **Brent R. Linn**

Other info: (such as sample numbers, weather conditions and field notes)

1500 Removal TRANSDUCER Bubbles forming in flow cell
N, O2

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1514	.340	19.1	2.88	-28	478	68.3	7.04	14.0	1.2 L
1517	.340	19.45	0.88	-86	460.3	145.1	7.11	14.0	673 L
1520	.340	19.50	0.50	-106.8	454.2	178.8	7.14	14.0	3 L
1523	.340	19.52	0.28	-123.6	451.5	200.1	7.14	14.0	3.75 L
1526	.340	19.54	0.18	-135.4	449.5	215.0	7.15	14.0	4.25 L
1529	.340	19.54	0.12	-143.3	448.2	237	7.15	13.9	5 L
1532	.340	19.55	0.10	-147.7	448.3	274	7.16	14.0	5.5 L

Type of Samples collected:

22174231
1540

2 AMBER 1L
1 P.C. 500ML

Table continues on back if needed

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCombs & Baxter* Well #: *mw 43 d* Date: *4/20/22*
Well Depth(Ft-BTOC¹): Screen Interval(Ft):

Well Dia.: *2"* Casing Material: *PVL* Sampling Device:

Pump placement(Ft from TOC²): *83'*

Measuring Point: *TOC Black Mark* Water level (static)(Ft): *17.46*

Water level (pumping)(Ft): *17.75* Pump rate(Liter/min): *350 ml/min*

Sampling Personnel: *1125*

Other info: (such as sample numbers, weather conditions and field notes)

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>1125</i>	<i>350 ml/min</i>	<i>17.75</i>	<i>0.53</i>	<i>-49.1</i>	<i>1112</i>	<i>-2.36</i>	<i>6.76</i>	<i>13.0</i>	<i>2000 ml</i>
<i>1128</i>	<i>350 ml/min</i>	<i>17.75</i>	<i>0.26</i>	<i>-99.2</i>	<i>1112</i>	<i>-1.35</i>	<i>6.79</i>	<i>12.9</i>	<i>3000 ml</i>
<i>1131</i>	<i>350 ml</i>	<i>17.75</i>	<i>0.20</i>	<i>-116.8</i>	<i>1111</i>	<i>-0.67</i>	<i>6.80</i>	<i>12.9</i>	<i>3800 ml</i>
<i>1134</i>	<i>350 ml</i>	<i>17.75</i>	<i>0.16</i>	<i>-130.3</i>	<i>1111</i>	<i>1.37</i>	<i>6.80</i>	<i>13.0</i>	<i>4800 ml</i>
<i>1137</i>	<i>350 ml</i>	<i>17.75</i>	<i>0.14</i>	<i>-135.6</i>	<i>1110</i>	<i>2.70</i>	<i>6.81</i>	<i>13.0</i>	<i>5500 ml</i>
<i>1140</i>	<i>750 ml</i>	<i>17.75</i>	<i>0.12</i>	<i>-139.9</i>	<i>1107</i>	<i>4.48</i>	<i>6.85</i>	<i>13.0</i>	<i>6000 ml</i>
<i>1143</i>	<i>350 ml</i>	<i>17.75</i>	<i>0.11</i>	<i>-143.0</i>	<i>1107</i>	<i>6.40</i>	<i>6.81</i>	<i>13.1</i>	<i>7000 ml</i>

Type of Samples collected:

Table continues on back, if needed

Sample # 22174228 at 1150 Am

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: MYB
Well Depth(Ft-BTOC¹):

Well #: MW-45:
Screen Interval(Ft):

Date: 7-20-22

Well Dia.: 2"

Casing Material: PVC

Sampling Device: BLADDER

Pump placement(Ft from TOC²):

Measuring Point: TOC BLACK
man

Water level (static)(Ft): 17.30'

Water level (pumping)(Ft): 47'

Pump rate(Liter/min): 1250 .5L/MIN

Sampling Personnel: Brent Richmond

Other info: (such as sample numbers, weather conditions and field notes)

RAIN Hydrocarbon smell Bubbles causing Turbidity to be ↑

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU) *	pH	Temp. (C°)	Volume pumped (L)
1254	.5	19.8	0.81	-102.2	534	41.5	6.46	13.9	.5L
1259	.5	21.8	0.14	-119.9	520	116.9	6.46	14.0	3.5L
1302	.5	22.3	0.06	-124.3	509	143.6	6.47	14.0	5L
1305	.5	23.2	0.02	-125.6	506	127.3	6.48	14.0	7L
1309	.5	24.3	0.00	-128.2	505	105.9	6.47	14.0	8.5

Type of Samples collected:

Table continues on back, if needed

22174232 1310 2 AMBSE 1E
1 POLY 500 ML

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McConnell & Barker*
Well Depth(Ft-BTOC¹): *86'*

Well #: *39d*
Screen Interval(Ft):

Date: *4/20/22*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *Bladder Pump*

Pump placement(Ft from TOC²): *84'*

Measuring Point: *Top Bladder Mark* Water level (static)(Ft): *18.35'*

Water level (pumping)(Ft): *18.7* Pump rate(Liter/min): *0.5 L/min*
0930

Sampling Personnel: *Brant Richmond*

Other info: (such as sample numbers, weather conditions and field notes)

R.A.N.Y.

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
0938	0.5 L/min	18.7	0.56	-128.9	814	22	6.45	13.5	232.5L
0943	0.5 L/min	18.7	0.23	-141.9	810	15	6.52	13.5	4L
0945	0.5 L/min	18.8	0.18	-145.4	810	14	6.55	13.5	5L
0948	0.5 L/min	18.8	0.10	-148.8	811	14	6.58	13.6	7L
0951	0.5 L/min	18.9	0.02	-152.5	819	12	6.61	13.6	10L

Type of Samples collected:

Table continues on back, if needed

1056 22174222 2 Ambers 1 poly
1100 22174240 DJP 2 Ambers 1 poly

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Baxter*

Well #: *mw 475*

Date: *4/20/22*

Well Depth(Ft-BTOC¹): *24.19*

Screen Interval(Ft):

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic pump*

Pump placement(Ft from TOC²): *25'*

Measuring Point: *TOC Black Mark* Water level (static)(Ft): *24.10*

Water level (pumping)(Ft): *24.19* Pump rate(Liter/min): *400 ml/min*

Sampling Personnel: *2:55 PM*

Other info: (such as sample numbers, weather conditions and field notes)

overcast weather, water has slight color

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
3:00	400 ml	24.19	0.26	-23.6	692	-3.33	6.02	13.7	2000 ml
3:03	400ml	24.19	0.12	-29.2	691	-3.41	6.02	13.7	3000 ml
3:06	400ml	24.19	0.10	-35.9	687	-3.85	6.01	13.7	4000 ml
3:09	400ml	24.19	0.08	-40.4	690	-4.07	6.02	13.7	5000 ml
3:12	400ml	24.19	0.06	-45.6	689	-3.90	6.01	13.6	6200 ml
3:15	400ml	24.19	0.04	-48.7	697	-4.20	6.01	13.6	8000 ml
3:18	400ml	24.19	0.04	-50.9	688	-4.21	6.01	13.7	9000 ml

Type of Samples collected:

Table continues on back, if needed

Sample # 22174213 collected at 3:20 pm

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
S.C.	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: **M+B**
Well Depth(Ft-BTOC¹):

Well #: **MW-455**
Screen Interval(Ft):

Date: **4/20/22**

Well Dia.: **2**

Casing Material: **PVC**

Sampling Device: **BLADDER**

Pump placement(Ft from TOC²): **25'**

Measuring Point: **TOC BLACK MARK**

Water level (static)(Ft): **18.00'**

Water level (pumping)(Ft): **19.12**

Pump rate(Liter/min): **1635 @ 1.5 L/min**

Sampling Personnel: **Brent Richmond**

Other info: (such as sample numbers, weather conditions and field notes)

1525 pulled & drier **Hydro Carbon Smell**
OVERCAST WINDY

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1639	.5	19.12	0.42	-29.9	302	26.9	6.02	14.1	3L
1642	.5	19.47	0.22	-28.9	304	15.1	6.02	14.1	4L
1648	.5	19.51	0.15	-30.4	308.6	10.01	6.03	14.1	5L
1651	.5	19.41	0.00	-40.0	335.1	4.29	6.08	14.2	7L
1654	.5	19.41	0.00	-48.3	346.7	2.80	6.11	14.2	8L 10L
1657	.5	19.41	0.00	-51.4	357.4	2.20	6.13	14.2	15L
1700	.5	19.41	0.00	-54.5	363.6	2.66	6.15	14.2	17L

Type of Samples collected:

Table continues on back, if needed

2217 4233 1700 **2 Amber 1L**
1 POLY 500mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Porter*
Well Depth(Ft-BTOC¹): *29*

Well #: *393*
Screen Interval(Ft):

Date: *4/20/22*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic Pump*

Pump placement(Ft from TOC²): *25'*

Measuring Point: *Top black mark*

Water level (static)(Ft): *19.58*

Water level (pumping)(Ft): *20.9*

Pump rate(Liter/min): *460 ml/min*
9:24 am

Sampling Personnel:

Other info: (such as sample numbers, weather conditions and field notes)

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
0933	460ml	20.9	1.59	-75.0	589	5.17	6.07	13.7	4200 ml
0936	460ml	20.9	0.84	-85.3	610	7.09	6.15	13.7	6000
0939	460ml	20.9	0.52	-91.6	616	5.42	6.19	13.7	7000
0942	460ml	20.9	0.40	-94.1	616	3.25	6.19	13.7	7800
0945	460ml	20.9	0.33	-100.4	620	3.31	6.20	13.7	8800
0948	460ml	20.9	0.15	-103.9	609	5.35	6.26	13.8	9800
0951	460ml	20.9	0.12	-106	607	8.35	6.20	13.8	10,800

Type of Samples collected:

water level dropped to 24'
during sampling.

Table continues on back, if needed

Sample# *22174224* at *9:53 am*

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Baxter* Well #: *WAW 495* Date: *4/20/22*
 Well Depth (Ft-BTOC¹): *35.7* Screen Interval (Ft):
 Well Dia.: *2"* Casing Material: *PVC* Sampling Device: *peristaltic pump*
 Pump placement (Ft from TOC²): *32'*
 Measuring Point: *TOC Black Mark* Water level (static) (Ft): *18.22'*
 Water level (pumping) (Ft): *18.52* Pump rate (Liter/min): *410 mL/min*
 Sampling Personnel: *4:18 pm*
 Other info: (such as sample numbers, weather conditions and field notes)

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>4:23</i>	<i>410 mL</i>	<i>18.52</i>	<i>0.46</i>	<i>13.1</i>	<i>278.6</i>	<i>111.45</i>	<i>6.06</i>	<i>11.8</i>	<i>4000 mL</i>
<i>4:26</i>	<i>410 mL</i>	<i>18.52</i>	<i>0.30</i>	<i>16.3</i>	<i>284.0</i>	<i>92.9</i>	<i>6.07</i>	<i>11.8</i>	<i>5200 mL</i>
<i>4:29</i>	<i>410 mL</i>	<i>18.53</i>	<i>0.25</i>	<i>14.7</i>	<i>288.1</i>	<i>110.58</i>	<i>6.08</i>	<i>11.7</i>	<i>6500 mL</i>
<i>4:32</i>	<i>410 mL</i>	<i>18.53</i>	<i>0.24</i>	<i>12.8</i>	<i>289.9</i>	<i>124.27</i>	<i>6.07</i>	<i>11.7</i>	<i>7720 mL</i>
<i>4:35</i>	<i>410 mL</i>	<i>18.53</i>	<i>0.18</i>	<i>6.5</i>	<i>296.0</i>	<i>205.34</i>	<i>6.14</i>	<i>11.6</i>	<i>9000 mL</i>
<i>4:38</i>	<i>410 mL</i>	<i>18.54</i>	<i>0.19</i>	<i>5.2</i>	<i>295.8</i>	<i>105.15</i>	<i>6.13</i>	<i>11.6</i>	<i>10,200 mL</i>
<i>4:41</i>	<i>410 mL</i>	<i>18.54</i>	<i>0.16</i>	<i>3.6</i>	<i>297.1</i>	<i>51.9</i>	<i>6.13</i>	<i>11.6</i>	<i>11,700 mL</i>

Type of Samples collected: *0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12* Table continues on back, if needed

Sample # 22174212 collected at 4:49 pm
Sample # 22174245 collected at 5:48 pm

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:
 Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb: (NTU)	pH	Temp. (C°)	Volume pumped (L)
4:44	410 ml	18.54	0.15	2.2	297.5	15.70	6.13	11.6	12,000
4:47	410 ml	18.54	0.14	0.7	298.4	109.35	6.14	11.6	13,200
4:48	410 ml	18.54	0.14	0.7	298.4	109.35	6.14	11.6	13,200
4:50	410 ml	18.54	0.14	0.7	298.4	109.35	6.14	11.6	13,200
4:52	410 ml	18.54	0.14	0.7	298.4	109.35	6.14	11.6	13,200
4:53	410 ml	18.54	0.14	0.7	298.4	109.35	6.14	11.6	13,200
4:55	410 ml	18.54	0.14	0.7	298.4	109.35	6.14	11.6	13,200
4:57	410 ml	18.54	0.14	0.7	298.4	109.35	6.14	11.6	13,200

[illegible]

Ground Water Sampling Log

Site Name: *McCom*
Well Depth(Ft-BTOC¹): *30.0'*

Well #: *EW-19S*
Screen Interval(Ft):

Date: *4/21/22*

Well Dia.: *4"*

Casing Material: *Stainless Steel*

Sampling Device: *peristaltic Pump*

Pump placement(Ft from TOC²): *25'*

Measuring Point: *TOL*

Water level (static)(Ft): *15.6'*

Water level (pumping)(Ft):

Pump rate(Liter/min): *460 ml/min*
1010

Sampling Personnel: *Jed Janich*

Other info: (such as sample numbers, weather conditions and field notes)
water has black particles and a strong slight odor.

L&D Dept Negative Bubbles

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1017	460 ml	15.80	0.38	-28.1	633	59.50	6.32	14.3	3000 ml
1020	460 ml	15.80	0.18	-66.4	635	27.21	6.36	14.2	4200 ml
1023	460 ml	15.80	0.14	-78.8	632	26.8	6.37	14.1	5500 ml
1026	460 ml	15.85	0.10	-88.5	631	43.2	6.38	14.1	6800 ml
1029	460 ml	15.85	0.09	-92.6	632	55.81	6.38	14.2	8000 ml
1032	460 ml	15.85	0.08	-97.6	640	51.27	6.40	14.3	9000 ml
1035	460 ml	15.85	0.08	-100.4	638	49.90	6.39	14.3	10,000 ml

Type of Samples collected:

Table continues on back, if needed

Sample # 22174242 collected at 10:37 Am

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: M43
Well Depth(Ft-BTOC¹):

Well #: EW343
Screen Interval(Ft):

Date: 4/21/22

Well Dia.: 4"

Casing Material: SS

Sampling Device: DATA BLADDER

Pump placement(Ft from TOC²): 75'

Measuring Point: TOC

Water level (static)(Ft): 20.86

Water level (pumping)(Ft): 20.90

Pump rate(Liter/min):

Sampling Personnel: Brent Richardson 1017 @ 480 mL/min

Other info: (such as sample numbers, weather conditions and field notes)

SUN WITH CLOUDS AND RAIN LA DNAPL Neg
WINDY SHOWN Bubble in Flow cell tube

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1030	0.480	20.97	0.60	-100.7	892	53.7	6.79	13.8	3.5L
1033	0.480	21.01	0.22	-126.8	893	105.8	6.83	13.9	5L
1036	0.480	21.01	0.12	-137.8	894	98.3	6.85	13.8	6L
1039 1041	0.480	21.02	0.06	-145.2	891	96.5	6.85	13.7	8L
1044	0.480	21.05	0.02	-150.4	894	40.4	6.87	13.6	9.5L
1047	0.480	21.05	0.00	-152.9	896	62.1	6.87	13.6	11L
1050	0.480	21.10	0.00	-155.0	895	47.3	6.86	13.7	14L

Type of Samples collected:

Table continues on back, if needed

1055 2217423A 2 Amber 1L
1 Poly 500mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Baxter* Well #: *EW-103* Date: *4/21/22*
 Well Depth(Ft-BTOC¹): _____ Screen Interval(Ft): _____
 Well Dia.: *4"* Casing Material: *stainless steel* Sampling Device: *peristaltic Pump*
 Pump placement(Ft from TOC²): *31'25"*
 Measuring Point: *TOC* Water level (static)(Ft): *18.42'*
 Water level (pumping)(Ft): _____ Pump rate(Liter/min): *500 mg/min*
 Sampling Personnel: *Jed Sanh* *11:10 AM*

Other info: (such as sample numbers, weather conditions and field notes)

PID reading up to 40 PPM, 41.85' to DNAPL

*NOYSI DATA
TO MUCH NAPL CLUMPS*

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
									<i>8</i>

Type of Samples collected:

Table continues on back, if needed

Sample # 22174241 collected at 11:35 AM

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Baxter* Well #: *MW 201*

Date: *4/21/22*

Well Depth(Ft-BTOC¹): *33.85 to 37.72* Screen Interval(Ft):

Well Dia.: *2"*

Casing Material: *stainless steel* Sampling Device: *peristaltic pump*

Pump placement(Ft from TOC²): *63'*

Measuring Point: *TOC*

Water level (static)(Ft): *30.35'*

Water level (pumping)(Ft): *30.51*

Pump rate(Liter/min): *160 ml/min*
12:50 pm

Sampling Personnel: *Joe Jawuch*

Other info: (such as sample numbers, weather conditions and field notes) *High DNAPL Local?*

PID reading 10 ppm - visible greasy coating on inside of casing and cap.

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
	<i>No</i>	<i>Readings</i>							

Type of Samples collected:

Table continues on back, if needed

22174237 1305 2 Amber 1 L
1 500 mL grey

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Butler*
Well Depth(Ft-BTOC¹):

Well #: *MW-GS*
Screen Interval(Ft):

Date: *4/21/22*

Well Dia.: *2"*

Casing Material: *stainless steel* Sampling Device: *peristaltic Pump*

Pump placement(Ft from TOC²): *32' 35'*

Measuring Point:

Water level (static)(Ft): *29.77'*

Water level (pumping)(Ft):

Pump rate(Liter/min): *1355 2 ~~150~~ 150 mL/min*

Sampling Personnel:

Brent R. Gorman

Other info: (such as sample numbers, weather conditions and field notes)

PID 12.6 ppm - Not

Sampling due to heavy NAPL presence - NAPL IS HIGH IN WATER COLUMN UNABLE TO
shear NAPL ON WATER Hydrocarbon odor

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>1355</i>	<i>No</i>	<i>29.77 ft</i>		<i>0.00</i>	<i>to</i>	<i>NAPL</i>			<i>4L</i>

Type of Samples collected:

Table continues on back, if needed

2217 4238 1415

*2 8L Amber
1 500 mL poly*

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *Melvinville Bunker* Well #: *EW-2S* Date: *4/21/22*
 Well Depth(Ft-BTOC¹): _____ Screen Interval(Ft): _____
 Well Dia.: *10"* Casing Material: *steel* Sampling Device: _____
 Pump placement(Ft from TOC²): _____
 Measuring Point: _____ Water level (static)(Ft): _____
 Water level (pumping)(Ft): _____ Pump rate(Liter/min): _____
 Sampling Personnel: _____

Other info: (such as sample numbers, weather conditions and field notes)

PID Reading is 0.0 ppm.

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>1511</i>	<i>20m/min</i>								
			<i>Product Pumped</i>	<i>UP</i>	<i>tube</i>				
			<i>ADJUST</i>	<i>DUE TO</i>	<i>Real</i>	<i>Low</i>	<i>Slow</i>	<i>ANA</i>	
			<i>NAPL</i>						

Type of Samples collected:

Table continues on back, if needed

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
S.C.	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: M7B
Well Depth(Ft-BTOC¹):

Well #: MW-D3
Screen Interval(Ft):

Date: 4/21/22

Well Dia.: 2"

Casing Material: STAINLESS STEEL

Sampling Device: _____

Pump placement(Ft from TOC²):

Measuring Point:

Water level (static)(Ft): _____

Water level (pumping)(Ft):

Pump rate(Liter/min):

Sampling Personnel: Brent Rickman!

Other info: (such as sample numbers, weather conditions and field notes)

DNAPL X: 4' SCREEN INTERVAL = 4' NOT SAMPLED
DUE TO PUMP SET DEPTH @ MID SCREEN

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)

Type of Samples collected: NONE

Table continues on back, if needed

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: M4B
Well Depth(Ft-BTOC¹):

Well #: MW-595
Screen Interval(Ft):

Date: 4/21/22

Well Dia.: 2"

Casing Material: PVC

Sampling Device: BLADDER

Pump placement(Ft from TOC²): 27'

Measuring Point: Black mark
TOC

Water level (static)(Ft): 19.35

Water level (pumping)(Ft):

Pump rate(Liter/min):

Sampling Personnel: Brent Richmond

1805 400 L/min

Other info: (such as sample numbers, weather conditions and field notes)

CALM SUNNY

FLOCK IN FLOOD CELL FROM WELL WATER

IRON BACTERIA?

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1812	<u>4.4/min</u>	<u>19.4</u>	<u>1.37</u> 13.7	<u>21.3</u>	<u>578</u>	<u>48.1</u>	<u>6.03</u>	<u>14.0</u>	<u>1.5</u>
1815	<u>.4</u>	<u>19.4</u>	<u>0.40</u>	<u>2.8</u>	<u>578</u>	<u>17.5</u>	<u>6.02</u>	<u>14.0</u>	<u>2.7</u>
1818	<u>.4</u>	<u>19.4</u>	<u>0.24</u>	<u>-6.6</u>	<u>578</u>	<u>20.1</u>	<u>6.02</u>	<u>14.0</u>	<u>3.5</u>
1821	<u>.4</u>	<u>19.4</u>	<u>0.12</u>	<u>-16.6</u>	<u>578</u>	<u>16.9</u>	<u>6.01</u>	<u>14.0</u>	<u>5.0</u>
1824	<u>.4</u>	<u>19.4</u>	<u>0.05</u>	<u>-24.7</u>	<u>578</u>	<u>16.7</u>	<u>6.01</u>	<u>14.0</u>	<u>6.5</u>
1827	<u>.4</u>	<u>19.4</u>	<u>0.01</u>	<u>-29.2</u>	<u>578</u>	<u>21.0</u>	<u>6.01</u>	<u>14.0</u>	<u>7.5</u>
1830	<u>.4</u>	<u>19.4</u>	<u>0.00</u>	<u>-34.5</u>	<u>578</u>	<u>28.0</u>	<u>6.01</u>	<u>14.0</u>	<u>9.0</u>

Type of Samples collected:

Table continues on back, if needed

2217 4214 1835 2 Amber 1 L

1 P24 500mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: M+O
Well Depth(Ft-BTOC¹): 34.2

Well #: MW575
Screen Interval(Ft):

Date: 4/21/22

Well Dia.: 2

Casing Material: PVC

Sampling Device: Bladder Pump

Pump placement(Ft from TOC²): 33'

Measuring Point: TOC Blackman

Water level (static)(Ft): 30.9

Water level (pumping)(Ft):

Pump rate(Liter/min):

1632 @ 0.34 L/min

Sampling Personnel:

Brent Richmond

Other info: (such as sample numbers, weather conditions and field notes)

Root in well came up of water level
Roots & sand in first foot of pumping

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1640	340	31.38	1.17	-45.1	419.7	43.7	6.49	13.0	2L
1643	340	-	0.08	-59.7	448	25.6	6.48	12.8	3L
1646	340	32.21	0.03	-66.2	459	14.5	6.50	12.8	4L
1649	340	-	0.00	-76.8	471	9.40	6.51	12.8	5L
1652	340	-	0.00	-82.5	477	6.34	6.53	12.8	6L
1655	340	32.40	0.00	-88.2	483	4.40	6.54	12.8	7L

Type of Samples collected:

Table continues on back, if needed

2174211 1700 2 Amber 1L
1 Poly 500mL

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McDonnell & Baxter*
Well Depth(Ft-BTOC¹):

Well #: *MW 535*
Screen Interval(Ft):

Date: *4/21/22*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic Pump*

Pump placement(Ft from TOC²): *33'*

Measuring Point: *10C Black Mark* Water level (static)(Ft): *22.50*

Water level (pumping)(Ft): *22.51* Pump rate(Liter/min): *450 ml/min*

Sampling Personnel: *Joel Januch* *5:51 pm*

Other info: (such as sample numbers, weather conditions and field notes)

Slight odor

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>5:59</i>	<i>450</i>	<i>22.51</i>	<i>0.52</i>	<i>-44.5</i>	<i>713</i>	<i>13.35</i>	<i>6.42</i>	<i>13.6</i>	<i>4000 ml</i>
<i>6:02</i>	<i>450</i>	<i>22.52</i>	<i>0.27</i>	<i>-77.0</i>	<i>716</i>	<i>10.52</i>	<i>6.43</i>	<i>13.6</i>	<i>4800</i>
<i>6:05</i>	<i>450</i>	<i>22.52</i>	<i>0.18</i>	<i>-91.4</i>	<i>718</i>	<i>12.65</i>	<i>6.43</i>	<i>13.6</i>	<i>6000</i>
<i>6:08</i>	<i>450</i>	<i>22.52</i>	<i>0.14</i>	<i>-98.9</i>	<i>720</i>	<i>11.65</i>	<i>6.42</i>	<i>13.5</i>	<i>7000</i>
<i>6:11</i>	<i>450</i>	<i>22.52</i>	<i>0.12</i>	<i>-107.7</i>	<i>719</i>	<i>14.70</i>	<i>6.41</i>	<i>13.5</i>	<i>8000</i>
<i>6:14</i>	<i>450</i>	<i>22.52</i>	<i>0.10</i>	<i>-106.0</i>	<i>722</i>	<i>14.50</i>	<i>6.42</i>	<i>13.5</i>	<i>9000</i>
<i>6:17</i>	<i>450</i>	<i>22.52</i>	<i>0.09</i>	<i>-107.4</i>	<i>723</i>	<i>16.03</i>	<i>6.42</i>	<i>13.5</i>	<i>10000</i>

Type of Samples collected:

Table continues on back, if needed

Sample 2217 4210 collected at 6:19 pm ✓

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: McCormick & Baxter Well #: MW555 Date: 4/21/22
 Well Depth(Ft-BTOC¹): 35.56' Screen Interval(Ft):
 Well Dia.: 2" Casing Material: PVC Sampling Device: peristaltic Pump
 Pump placement(Ft from TOC²): 23' 33'
 Measuring Point: TOC Black Mtn Water level (static)(Ft): 26.35
 Water level (pumping)(Ft): 26.45 Pump rate(Liter/min): 450 mL/min
 4.07
 Sampling Personnel:

Other info: (such as sample numbers, weather conditions and field notes)

Bit of rust color at first, but cleared up.

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
4:14pm	430mL	26.45	1.50	-0.3	377.4	4124	6.51	13.2	3000 mL
4:17pm	430mL	26.45	0.85	-27.2	381.3	35.07	6.43	13.2	4000
4:20	420mL	26.45	0.65	-49.7	384.4	26.89	6.42	13.2	5000
4:23	410mL	26.45	0.62	-52.7	385.4	24.15	6.41	13.2	6000
4:26	410mL	26.45	0.57	-59.2	387.3	20.84	6.41	13.3	7000
4:29	410mL	26.45	0.45	-64.6	385.8	17.23	6.43	13.3	8000
4:32	410mL	26.45	0.43	-65.9	384.7	15.11	6.39	13.2	9000

Type of Samples collected:

Table continues on back, if needed

Sample # 22174207 collected at: 4:46pm ✓

Sample # 22174246 Blank collected at: 5:15pm ✓

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Appendix B 2022 YSI ProDSS Calibration Records

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/18/20 Operator: Brent Richardson

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # A94925 Cable Model Number: 18E 101260

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 755.6

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI</u>	<u>216102087</u>	<u>1/7/23</u>	<u>1125.2</u> <u>11.4°C</u>			
Conductivity Secondary standards check							
pH 7	<u>HACH</u>	<u>A1363A</u>	<u>1/24</u>	<u>7.06</u>	<u>11.3</u> <u>7.08</u>		
pH 4	<u>HACH</u>	<u>A2004A</u>	<u>1/25</u>	<u>4.07</u>	<u>11.4</u> <u>4.00</u>		
pH 10	<u>HACH</u>	<u>A1347</u>	<u>1/22</u>	<u>10.17</u>	<u>11.2</u> <u>10.21</u>		
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GLS	A2018	2/23	203	17.4 203.1		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O			100.4	12.7% 100.0		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI 680	2162127018	7/22	3.01	0.00		
Turbidity 126	YSI 60736	216212507	7/22	121.15	124		
Turbidity 1000	YSI 6074	2162118032	7/22	936.32	1010		
Turbidity 12.7 Secondary standard check							
Algae							
Algae check or Recal							
Confidence solution	YSI 530	2121C	7/23 7.20 217 7635	12.1 NTU			

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/18/20 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # SB6338 Cable Model Number: 20C203189

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration ~~758.8~~ mm / 46
755.7

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI</u>	<u>21G103087</u>	<u>1/27/23</u>	<u>1116 1116</u>	<u>1116 1116</u>		
Conductivity Secondary standards check							
pH 7	<u>HACH</u>	<u>A1363A</u>	<u>1/24</u>	<u>7.13 7.07</u>	<u>10.80 7.07</u>		
pH 4	<u>HACH</u>	<u>A2004A</u>	<u>1/25</u>	<u>4.00 4.00</u>	<u>4.06 4.06</u>		
pH 10	<u>HACH</u>	<u>A1347</u>	<u>1/22</u>	<u>10.17 10.17</u>	<u>10.03 10.03</u>		
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GLT	A2018	2/23 A2018	2025 2024	202.5 235.8		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	-	-	100.5	12.2 98.36		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI 680	2162179	7/22	1.20	0.00		
Turbidity 126	YSI 60736	2162125	7/22	123.71	124		
Turbidity 1000	YSI 6074	2162118	7/22	901	1010		
Turbidity 12.7 Secondary standard check							
Algae							
Algae check or Recal							
Confidence solution	YSI	212K	5/23	12.3 7.16 217 7656	12.7 NTU		

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/19/22 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # SB6338 Cable Model Number: 186101260

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 758

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI 3167</u>	<u>21610037</u>	<u>1/23</u>	^{10.8°C} <u>9.98</u>	<u>997</u>		
Conductivity Secondary standards check							
pH 7	<u>YSI</u>	<u>21F45</u>	<u>6/23</u>	^{10.8°C} <u>7.27</u>	<u>7.07</u>		
pH 4	<u>YSI HACH</u>	<u>A2004A</u>	<u>1/26</u>	^{10.9°C} <u>4.06</u>	<u>4.00</u>		
pH 10	<u>HACH</u>	<u>A1347</u>	<u>1/22</u>	^{11.2°C} <u>10.26</u>	<u>10.17</u>		
pH Secondary standard check							

Pee

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GCI	A2018	2/23	108°C 202.4			
ORP Secondary standard check							
DO saturated column or water bath	14.00	—	—	14.1°C 101.5	100.0		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI	21621270103	7/22	0.07	0.00		
Turbidity 126	YSI	2162125617	7/22	131	124		
Turbidity 1000	YSI	21621158000	7/22	877	1010		
Turbidity 12.7 Secondary standard check	YSI	21F2123 0003	6/22	11.4			
Algae							
Algae check or Recal							
Confidence solution	YSI	21E1C	5/23	758405 213mV 7.14 pH			

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/18/22 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # A94925 Cable Model Number: 20C203184

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 758

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI 3167</u>	<u>21610087</u>	<u>1/23</u>	<u>11.1°C</u> <u>1000</u>	<u>1003</u>		
Conductivity Secondary standards check							
pH 7	<u>YSI</u>	<u>21145</u>	<u>6/23</u>	<u>11.2°C</u> <u>7.12</u>	<u>7.06</u>		
pH 4	<u>HACH</u>	<u>A2004A</u>	<u>1/26</u>	<u>11.3</u> <u>3.97</u>	<u>4.00</u>		
pH 10	<u>HACH</u>	<u>A1347</u>	<u>1/22</u>	<u>11.5°C</u> <u>10.12</u>	<u>10.17</u>		
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GLI	A2018	2/23	11.7 [°] 203.3	203.0		
ORP Secondary standard check							
DO saturated column or water bath	H2O	—	—	14.5 ^c 100.1	99.7		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI	2162127068	7/22	-0.37 0.07	0.00		
Turbidity 126	YSI	21621250172	7/22	119.5	124		
Turbidity 1000	YSI	21621218002	7/22	921	1010		
Turbidity 12.7 Secondary standard check	YSI	21921230003	6/22	12.1			
Algae							
Algae check or Recal							
Confidence solution	YSI	21621210	5/23	7626 uS _m 219 mV 2.07 pH			

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/20/22 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # SB 6338 Cable Model Number: 20C203189

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 753

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI</u>	<u>216-103097</u>	<u>1/23</u>	<u>9.6°C</u> <u>1007</u>	<u>1023</u>		
Conductivity Secondary standards check							
pH 7	<u>YSI</u>	<u>21F45</u>	<u>6/23</u>	<u>7.14</u> <u>10.1°C</u>	<u>7.09</u>		
pH 4	<u>YSI</u>	<u>21F3K</u>	<u>6/23</u>	<u>3.95</u> <u>10.1°C</u>	<u>4.00</u>		
pH 10	<u>YSI</u>	<u>21F3T</u>	<u>6/23</u>	<u>10.22</u> <u>10.1°C</u>	<u>10.19</u>		
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GLI	A2018	2/23	10°C 204	201		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	X	X	98.7% 10.2	100%		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI	21621270 1078	7/22	6.62	0.00		
Turbidity 126	YSI	2162125 0177	7/22	130.82	124		
Turbidity 1000	YSI	2162118 0002	7/22	1144	1010		
Turbidity 12.7 Secondary standard check	YSI	2162123 0003	6/22		7.5		
Algae							
Algae check or Recal							
Confidence solution	YSI	216110	5/23	10.1 X 7769 218 7.09			

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/20/22 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # A 94925 Cable Model Number: 186106260

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 753

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI</u>	<u>21610087</u>	<u>1/23</u>	<u>95.0°C</u> <u>1025</u>	<u>1025</u>		
Conductivity Secondary standards check							
pH 7	<u>YSI</u>	<u>21F45</u>	<u>6/23</u>	<u>10.0°C</u> <u>7.07</u>	<u>7.07</u>		
pH 4	<u>YSI</u>	<u>21F3R</u>	<u>6/23</u>	<u>10.0</u> <u>3.90</u>	<u>4.00</u>		
pH 10	<u>YSI</u>	<u>21F3J</u>	<u>6/23</u>	<u>10.1°C</u> <u>10.21</u>	<u>10.19</u>		
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GLS	A2018	2/23	204 10.0°C	201		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	X	X	99.4 10.2	98.1		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI	21621270 108	7/22	-0.24	0.00		
Turbidity 126	YSI	2162125 0182	7/22	120.85	124		
Turbidity 1000	YSI	2162119 0002	7/22	1163	1010		
Turbidity 12.7 Secondary standard check	YSI	2152123 0003	6/22			11.89 R-1/2	
Algae							
Algae check or Recal							
Confidence solution	YSI	2161C	5/23	10.2°C 75.24 7.07 220			

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/21/22 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # 53 6338 Cable Model Number: 20C 203189

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 755

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI</u>	<u>216100097</u>	<u>1/23</u>	<u>10.2</u> <u>1024</u>	<u>1023</u>		
Conductivity Secondary standards check							
pH 7	<u>YSI</u>	<u>21F45</u>	<u>6/23</u>	<u>7.08</u> <u>10.5°C</u>	<u>7.07</u>		
pH 4	<u>YSI</u>	<u>21F3R</u>	<u>6/23</u>	<u>3.98</u> <u>10.4</u>	<u>4.0</u>		
pH 10	<u>YSI</u>	<u>21F3T</u>	<u>6/23</u>	<u>10.4°C</u> <u>10.25</u>	<u>10.8</u>		
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GLI	142018	2/23	205 10.52	201.7		
ORP Secondary standard check							
DO saturated column or water bath	4-5	-	-	101.27 10.52	100%		
DO Zero							
DO check or recalibration							
Turbidity 0	455	21621270108	7/22	-6.95	0.00		
Turbidity 126	455	21621270108 250177	7/22	113.3	124		
Turbidity 1000	455	2162118 0002	7/22	958	1010		
Turbidity 12.7 Secondary standard check	455	21F2123 00103	6/22			13.7	
Algae							
Algae check or Recal							
Confidence solution	455	21E1C	5/23			7832 7.08 10.92 220	

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/21/22 Operator: Brent R. Chmura
Instrument Serial Number: _____ Software Revision: _____
Handheld EPA Property # A94925 Cable Model Number: 18E101260
Temperature Reading _____ Temperature Accurate: Y N
True Barometric Pressure at time of calibration 755

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	<u>YSI</u>	<u>216100087</u>	<u>1/23</u>	<u>10.30</u> <u>1027</u>	<u>1028</u>		
Conductivity Secondary standards check							
pH 7	<u>YSI</u>	<u>21F4S</u>	<u>6/23</u>	<u>7.08</u> <u>10.5°C</u>	<u>7.07</u>		
pH 4	<u>YSI</u>	<u>21F3R</u>	<u>6/23</u>	<u>3.99</u> <u>10.4°C</u>	<u>4.00</u>		
pH 10	<u>YSI</u>	<u>21F3T</u>	<u>6/23</u>	<u>10.17</u> <u>10.4°C</u>	<u>10.18</u>		
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	GLI	A2018	2/23	202.9 10.5%	201.7		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	—	—	10.4 101.2%	100.0%		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI	21621270109	7/22	0.71	0.00		
Turbidity 126	YSI	21621270109 250177	7/22	119.3 12	124		
Turbidity 1000	YSI	2162118 0002	7/22	994	1010		
Turbidity 12.7 Secondary standard check	YSI	21F2123 0003	6/22			7885 7.10 10.92 217.2 12.25	
Algae							
Algae check or Recal							
Confidence solution	YSI	21E1C	5/23			7885 7.10 10.92 217.2	

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/27/22 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # A 94925 Cable Model Number: 18E 101260

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 763.

Record the following data and calibration values: Post Trip QC ✓

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity							
Conductivity Secondary standards check							
pH 7							
pH 4							
pH 10							
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP							
ORP Secondary standard check							
DO saturated column or water bath							
DO Zero							
DO check or recalibration	H ₂ O %	—	—	21.6° 100.0		100.8	
Turbidity 0							
Turbidity 126							
Turbidity 1000							
Turbidity 12.7 Secondary standard check	YSI	21F21 230003	6/22			11.9	
Algae							
Algae check or Recal							
Confidence solution	YSI	21E1C	5/23			7.06 7.12 7.638 210.6 ° 19°C	

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/27/22 Operator: Brent Richmond

Instrument Serial Number: _____ Software Revision: _____

Handheld EPA Property # SB 6338 Cable Model Number: 20C203189

Temperature Reading _____ Temperature Accurate: Y N

True Barometric Pressure at time of calibration 763

Record the following data and calibration values: Pot + Temp Qc ✓

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity							
Conductivity Secondary standards check							
pH 7							
pH 4							
pH 10							
pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP							
ORP Secondary standard check							
DO saturated column or water bath							
DO Zero							
DO check or recalibration				102.0 220.2		98.5	
Turbidity 0							
Turbidity 126							
Turbidity 1000							
Turbidity 12.7 Secondary standard check	YSI	21F21 230003	6/22			13.3	
Algae							
Algae check or Recal							
Confidence solution	YSI	21E1C	5/23			7.06 19.0 7639 200.1	

NOTES:

Appendix C 2023 Ground Water Sampling Logs

Ground Water Sampling Log

Site Name: *McCormick / Bontar*
Well Depth(Ft-BTOC¹): *36.75'*

Well #: *MW 595*
Screen Interval(Ft): *20'*

Date: *4/3/23*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *Peristaltic Pump*

Pump placement(Ft from TOC²):

Measuring Point: *Black mark*

Water level (static)(Ft): *19.04'*

Water level (pumping)(Ft):

Pump rate(Liter/min): *250 ml/min*

Sampling Personnel: *Sed sanuch*

Other info: (such as sample numbers, weather conditions and field notes)

Retaining Bolts missing on well cap. No Lock. PID read: ND

Water Quality Indicator Parameters

Time	Pumping <i>Total</i> rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C ⁰)	Volume pumped (L)
<i>14:28</i>	<i>250 mL</i>		<i>0.9</i>			<i>3.40</i>	<i>5.83</i>	<i>13.4</i>	<i>250</i>
<i>14:32</i>		<i>19.01</i> <i>20.1</i>	<i>0.5</i>	<i>-60.5</i>	<i>0.553</i>	<i>2.21</i>	<i>5.85</i>	<i>13.5</i>	
<i>14:35</i>		<i>19.01</i> <i>20.1</i>	<i>0.3</i>	<i>-69.2</i>	<i>0.553</i>	<i>1.82</i>	<i>5.89</i>	<i>13.5</i>	
<i>14:38</i>		<i>19.01</i>	<i>0.2</i>	<i>-71.2</i>	<i>0.553</i>	<i>1.48</i>	<i>5.87</i>	<i>13.3</i>	
<i>14:41</i>	<i>250 mL</i>	<i>19.01</i>	<i>0.2</i>	<i>-72.5</i>	<i>0.553</i>	<i>1.02</i>	<i>5.89</i>	<i>13.3</i>	
<i>14:44</i>	<i>250 mL</i>	<i>19.01</i>	<i>0.2</i>	<i>-74.5</i>	<i>0.553</i>	<i>1.38</i>	<i>5.90</i>	<i>13.2</i>	
<i>14:47</i>	<i>250 mL</i>	<i>19.01</i>	<i>0.1</i>	<i>-77.3</i>	<i>0.553</i>	<i>1.12</i>	<i>5.90</i>	<i>13.1</i>	<i>5L</i>

Type of Samples collected:

Table continues on back, if needed

14:50 Sample time 23144201

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

13:40 Sample time blank - 23144200

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: 475 McCormick + Baxter Well #: 475 Date: 4/3/23
 Well Depth(Ft-BTOC¹): 30.66' Screen Interval(Ft): 15
 Well Dia.: 2" Casing Material: PVC Sampling Device: peristaltic
 Pump placement(Ft from TOC²): 28'
 Measuring Point: black mark Water level (static)(Ft): 24.86
 Water level (pumping)(Ft): 24.92 Pump rate(Liter/min): 200 mL/minute
 Sampling Personnel: Jed Jauch, Bert Richmond, Meghan Dunn
 Other info: (such as sample numbers, weather conditions and field notes)

Water Quality Indicator Parameters

Time	Pumping rates mL/Min	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped mL)
5:11	200	24.91	0.7	-57.7	0.593	1.98	5.93	13	400
5:14	200	24.91	0.4	-62.3	0.599	1.26	5.94	13.1	1000
5:17	200	24.91	0.3	-65.9	0.604	1.21	5.95	13.2	1600
5:20	200	24.91	0.2	-67.6	0.605	1.00	5.94	13.4	2200

Type of Samples collected:

Table continues on back, if needed

Sample time 17:30

Sample # 23144203

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:
Well Depth(Ft-BTOC¹):

Well #: MW-62;

Date: 4/6/2011 4/5/23

Screen Interval(Ft):

52.53 - 62.53

Well Dia.: 4in

Casing Material:

stainless steel

Sampling Device:

Bladder pump

Pump placement(Ft from TOC²): 57,

Measuring Point: Black Mark

Water level (static)(Ft):

33.62

Water level (pumping)(Ft):

33.73

Pump rate(Liter/min):

350 L/min

Sampling Personnel:

Brent + Kathleen

Other info: (such as sample numbers, weather conditions and field notes)

0.0 pld

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
10:24	350 L/min								
10:28	350 L/min	33.75	1.4	-146.9	.945	4.19	6.18	14.1	1L
10:31	350 L/min	33.83	.8	-155.5	.943	4.07	6.28	14.1	2L
10:34	350 L/min	34.03	.5	-161.8	.942	4.00	6.33	14.1°	3L
10:38	350 L/min	33.82	.4	-164.1	.940	3.75	6.36	14.1°	4L
10:41	350 L/min	33.83	.3	-165.6	.938	3.71	6.38	14.1°	5L
10:45	350 L/min	33.83	.2	-166.2	.937	3.58	6.39	14.2°	6L

Type of Samples collected:

10:46 am

Table continues on back, if needed

23144216

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: McLennan/Batter

Well #: MW 385

Date: 4/5/23

Well Depth (Ft-BTOC¹): 30.81

Screen Interval (Ft): 15

Well Dia.: 2"

Casing Material: PVC

Sampling Device: Peristaltic Pump

Pump placement (Ft from TOC²): 27.31 * 24

Measuring Point: black mark

Water level (static) (Ft): 21.72'

Water level (pumping) (Ft): 22.24 ~~22.24~~ ~~22.24~~

Pump rate (Liter/min): 350 L/min ~~290 L/min~~

Sampling Personnel: Jed Taruch, Meghan Dunn

Other info: (such as sample numbers, weather conditions and field notes) 0.16 P10, odor/sulfur - slight

Water Quality Indicator Parameters

	Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
		22.2								
22.9	10:22	22.7 350 → 22.7	22.7 22.7	0.3	-140.2	0.485	9.54	6.24	13.7	1.2
23.9	10:25	23.5 250 → 23.5	23.5 23.5	0.3	-139.5	0.477	7.87	6.20	13.7	2.2 L
24.0	10:28	250	24.0	0.2	-140.0	0.461	3.56	6.23	13.6	2.75
24.35	10:32	250	24.35	0.2	-141.1	0.463	5.05	6.22	13.8	3 L

Type of Samples collected:

Table continues on back, if needed

Sample start time: 10:34

Sample 23144205

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
S.C.	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:

Well Depth(Ft-BTOC¹):

Well Dia.: 4 in

Pump placement(Ft from TOC²):

Measuring Point:

Water level (pumping)(Ft):

Sampling Personnel:

Other info: (such as sample numbers, weather conditions and field notes)

EW-195
Well #: MW-195

Screen Interval(Ft):

Casing Material:

Stainless Steel

Date: 4/5/23

Sampling Device:

Peristaltic

Water level (static)(Ft): 16.79

Pump rate(Liter/min):

260 L/min

Brent + Kathleen

0.0 psi

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
11:53	260 L/min								
11:58	260	17.06	1.6	-127.7	.682	3.41	6.43	13.5°C	1L
12:01	260	17.09	.7	-135.5	.682	4.54	6.42	13.4°C	2L
12:04	260	17.13	.4	-139.1	.683	4.53	6.42	13.4°C	3L
12:07	260	17.14	.3	-141.4	.686	6.44	6.42	13.4	4L
12:11	260	17.18	.2	-144.3	.686	7.32	6.42	13.4	5L

Type of Samples collected:

Table continues on back, if needed

12:15 pm

Sample # 23144217

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick & Baxter*
Well Depth(Ft-BTOC¹):

Well #: *EW-105*
Screen Interval(Ft):

Date: *4/5/23*

Well Dia.: *4"*

40.89-10 → 40.89-30.89
Casing Material: *metal*

Sampling Device: *peristaltic pump*

Pump placement(Ft from TOC²): *30.89*

Measuring Point: *top of casing*
not Water level (static)(Ft): *21.65*

Water level (pumping)(Ft): *21.65*
not taken Pump rate(Liter/min): *250 m³/min*

Sampling Personnel: *Ted Jaruch, Meghan Dunn*

Other info: (such as sample numbers, weather conditions and field notes) *33.1 = pH*
unknown amount NAPL at top ~ 0.7 to 1 ft
shiny clear

no YSI, purged ~ 10 min

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>12:10</i>	<i>Start pump</i>								<i>2.5L</i>
<i>12:28</i>	<i>end</i>								

Type of Samples collected:

Table continues on back, if needed

12:20 sample collection time

Sample # 23144218

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:
Well Depth(Ft-BTOC¹): 83.32

Well #: 34;
Screen Interval(Ft): 83.32 - 63.32

Date: 4/5/23

Well Dia.: 4"

Casing Material: SS

Sampling Device: Perestaltic

Pump placement(Ft from TOC²): 73.0

Measuring Point: TOC Black man Water level (static)(Ft): 24.44

Water level (pumping)(Ft): not taken Pump rate(Liter/min): 250 mL/min

Sampling Personnel: Ted Jaruch

Other info: (such as sample numbers, weather conditions and field notes) 0.00 PM
bubbles Not as much NAPL clumps can use YSI next time

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
12:45	start pump								
12:55									2.5L

Type of Samples collected:

Table continues on back, if needed

12:56 sample start

Sample ID 23144212

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:

Well Depth(Ft-BTOC¹):

Well Dia.: 2 inch

Pump placement(Ft from TOC²):

Measuring Point:

Water level (pumping)(Ft):

Sampling Personnel:

Other info: (such as sample numbers, weather conditions and field notes)

Well #: MW-586

Screen Interval(Ft):

Casing Material:

PVC

Date: 4/5/23

Sampling Device:

Bladder Pump

Water level (static)(Ft):

Pump rate(Liter/min):

200 mL/min

33
32.02
32.8

Brent + Kathleen

2 ft - low yielding

Low lying water so pumping before stabilization

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
13:35	200								
13:42	200	32.6	7.2	4.3	213	68.46	6.82	13.4	1L
13:45	200	32.72	6.5	10.6	210	58.1	6.54	13.1	2L
13:48	200	32.9	5.2	-2.5	250	38.21	5.3	13.0	3L
13:51	200		4.0	-32.8	1507	23.04	6.44	13.0	4L
13:54									

Type of Samples collected:

Table continues on back, if needed

13:53

Sample # 23144202

230 EQUIPMENT BLANK BLADDER PUMP 0.0 ppm

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Ground Water Sampling Log

Site Name: *McCormick/Baxter* Well #: *MW 375* Date: *4/4/23*
 Well Depth(Ft-BTOC¹): *28.48'* Screen Interval(Ft): *28.48-13.48'*
 Well Dia.: *3"* Casing Material: *PVC* Sampling Device: *Peristaltic Pump*
 Pump placement(Ft from TOC²): *21.0'*
 Measuring Point: *black manly* Water level (static)(Ft): *15.95*
 Water level (pumping)(Ft): *16.74'* Pump rate(Liter/min): *500 ml/min*
 Sampling Personnel: *Joel Sanuck*

Other info: (such as sample numbers, weather conditions and field notes)

overcast, Pressure Transducer in well, PIP = 0.00

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
0952	<i>500</i> <i>16.74'</i>	<i>16.74</i>	<i>0.4</i>	<i>-100.4</i>	<i>0.588</i>	<i>34.8</i>	<i>6.30</i>	<i>13.2</i>	
0955	<i>"</i>	<i>16.95'</i>	<i>0.3</i>	<i>-99.1</i>	<i>0.583</i>	<i>14.46</i>	<i>6.31</i>	<i>13.3</i>	
0958	<i>300</i>	<i>17.85</i>	<i>0.4</i>	<i>-96.8</i>	<i>0.579</i>	<i>8.56</i>	<i>6.32</i>	<i>13.4</i>	
1004	<i>"</i>	<i>18.30</i>	<i>0.3</i>	<i>-103.0</i>	<i>0.582</i>	<i>5.82</i>	<i>6.33</i>	<i>13.4</i>	
1007	<i>300</i>	<i>18.30</i>	<i>0.2</i>	<i>-107.4</i>	<i>0.587</i>	<i>4.94</i>	<i>6.33</i>	<i>13.5</i>	
1010	<i>"</i>	<i>18.30</i>	<i>0.2</i>	<i>-109.3</i>	<i>0.590</i>	<i>4.47</i>	<i>6.34</i>	<i>13.6</i>	
1012	<i>300</i>	<i>18.66</i>	<i>0.2</i>	<i>-114.0</i>	<i>0.597</i>	<i>3.56</i>	<i>6.35</i>	<i>13.6</i>	

Type of Samples collected:

Table continues on back, if needed

Sample time 10:20

Sample ID 23144204

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

¹ casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:

Well Depth(Ft-BTOC¹): 88.46

Well #: 42D

Screen Interval(Ft): 88.5-83.5

Date: 4/4/23

Well Dia.: 2"

Casing Material: PVC

Sampling Device: Peristaltic

Pump placement(Ft from TOC²): 85

Measuring Point: Black mark

Water level (static)(Ft): 23.55

Water level (pumping)(Ft): 23.72

Pump rate(Liter/min): 250 mL/min

Sampling Personnel: Brent R. Chmow

Other info: (such as sample numbers, weather conditions and field notes)

Decompression of water saturated w/ TURB

0.2 ppm

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1122	250	23.72							
1129	250	23.75	0.9	-182.9	0.924	38.5	6.78	13.0	2L
1132		23.75	0.5	-191.8	0.930	60.9	6.79	13.0	3L
1135		23.77	0.2	-195.7	0.932	48.75	6.79	13.0	5L
1138		23.78	0.2	-196.7	0.933	88.7	6.80	12.9	6L
1141		23.80	0.1	-197.1	0.931	101.6	6.79	12.9	7L
1144		23.81	0.1	-197.3	0.931	102.4	6.83	13.0	8L

Type of Samples collected:

Table continues on back, if needed

1145 Sample Time

23144209 Sample ID

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
S.C.	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick (Baxter)* Well #: *mw 42i* Date: *4/4/23*
 Well Depth(Ft-BTOC¹): *45.5'* Screen Interval(Ft): *40-45.5'*
 Well Dia.: *2"* Casing Material: *PVC* Sampling Device: *peristaltic Pump*
 Pump placement(Ft from TOC²): *42'*
 Measuring Point: *black ink* Water level (static)(Ft): *23.81*
 Water level (pumping)(Ft): *24.95'* Pump rate(Liter/min): *250 ml/min*
 Sampling Personnel: *Jed Janich*

Other info: (such as sample numbers, weather conditions and field notes)

soft bottom, overcast, PIR=ND

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1130	250 ml 250 ml	24.74 24.95	0.3	-164.8	1.058	64.3	6.68	13.2	250
1133	250 ml	24.97	0.2	-169.5	1.060	76.44	6.68	13.2	250 1L
1136	250ml	24.98	0.2	-169.5	1.054	71.61	6.67	13.1	250 1.75L
1139	"	"	0.2	-171.3	1.050	50.1	6.67	13.1	250 2.5
1142	"	"	0.1	-173.1	1.050	40.01	6.67	13.2	250 3.25
1145	250 ml	25.0	0.1	-174.8	1.051	38.59	6.67	13.5	250 4.0

Type of Samples collected:

Table continues on back, if needed

Sample Time *11:50*

Sample ID *23144211*

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:
Well Depth(Ft-BTOC¹): 31.21

Well #: MW-465
Screen Interval(Ft): 31.21 - 16.21

Date: 4/4/23

Well Dia.: 2 in

Casing Material: VC

Sampling Device: Peristaltic pump

Pump placement(Ft from TOC²): 27'

Measuring Point: Black Mark

Water level (static)(Ft): 23.01

Water level (pumping)(Ft): 23.02

Pump rate(Liter/min): 250

Sampling Personnel:

Other info: (such as sample numbers, weather conditions and field notes)

0.1 ppm

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
1355	250 250	23.02							
1400	250	23.02	1.6	117.7	0.934	2.35	6.23	14.0	1.5L
1403	250	23.02	0.4	-119.3	0.922	2.58	6.22	14.0	2.5L
1406	250	23.02	0.2	-121.2	0.906	1.99	6.21	13.9	4 L
1409	250	23.02	0.1	-122.4	0.890	1.63	6.20	13.9	6L
1413	250	23.02	0.1	-123.2	0.893	1.76	6.23	13.9	8L

Type of Samples collected:

Table continues on back, if needed

1415 Sampled 23144207

1420 sampled 23144208

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: *McCormick + Baxter*
Well Depth(Ft-BTOC¹): *53.0*

Well #: *36i* Date: *4/4/23*
Screen Interval(Ft): *53.0 - 48.0 = -*

Well Dia.: *2"*

Casing Material: *PVC* Sampling Device: *peristaltic pump*

Pump placement(Ft from TOC²): *21.8 50.5*

Measuring Point: *black mark*

Water level (static)(Ft): *21.8*

Water level (pumping)(Ft): *24.18*

Pump rate(Liter/min): *250 mL/min*

Sampling Personnel: *Jed Januch*

Other info: (such as sample numbers, weather conditions and field notes) *rain*
PID = 0.10 ppm

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>15:46</i>	<i>250</i>	<i>24.18</i>	<i>0.3</i>	<i>-158.7</i>	<i>0.661</i>	<i>42.06</i>	<i>6.66</i>	<i>13.6</i>	<i>1.1</i>
<i>15:49</i>	<i>"</i>	<i>24.6</i>	<i>0.2</i>	<i>-158.7</i>	<i>0.611</i>	<i>37.57</i>	<i>6.66</i>	<i>13.7</i>	<i>1.75</i>
<i>15:52</i>	<i>"</i>	<i>24.7</i> <i>24.68</i>	<i>0.2</i>	<i>-159.4</i>	<i>0.617</i>	<i>34.69</i>	<i>6.66</i>	<i>13.8</i>	<i>2.5</i>
<i>15:55</i>		<i>24.8</i>	<i>0.2</i>	<i>-161.1</i>	<i>0.622</i>	<i>31.51</i>	<i>6.66</i>	<i>13.8</i>	<i>3.25</i>

Type of Samples collected:

Table continues on back, if needed

Sample time: 15:57

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name:

Well Depth (Ft-BTOC¹):

87.29

Well #: MW-368

Date: 4/4/23

Screen Interval (Ft): 87.29 - 82.29

Well Dia.: 2"

Casing Material: PVC

Sampling Device: Peristaltic

Pump placement (Ft from TOC²):

85'

Measuring Point:

Water level (static) (Ft): 21.95, 21.95

Water level (pumping) (Ft):

Black

21.75

Pump rate (Liter/min):

250 gpm

Sampling Personnel:

Brent + Kathleen

Other info: (such as sample numbers, weather conditions and field notes)

water decompression/bubbles, NO₂, NO₃, NO₂ on top, NO₃ on top

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
16:00	250	21.75				*			
16:05	250	21.71	1.3	-162.4	.810	12.42	6.89	13.5	1L
16:08	250	21.67	.6	-174.6	.812	17.09	6.89	13.7	1L
16:11	250	21.62	.3	-179.3	.814	22.64	6.89	13.6	1L
16:14	250	21.63	.2	-183.2	.814	25.34	6.89	13.7	1L
16:17	250	21.62	.2	-185.4	.813	29.95	6.92	13.6	1L
16:20	250	21.62	.1	-186.1	.812	27.32	6.89	13.7	1L

Type of Samples collected:

Table continues on back, if needed

16:30

Sample ID 23144210

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: Well Depth (Ft-BTOC): 85.47
 Well Dia.: 2 in
 Pump placement (Ft from TOC?): 83'
 Measuring Point: Black mark
 Water level (pumping) (Ft): 18.89
 Sampling Personnel: Brent
 Casing Material: PVC
 Sampling Device: peristaltic
 Screen Interval (Ft): 85.47 - 86.47
 Date: 4/14/28
 Well #: 43A
 Pump rate (Liter/min): 260
 Other info: (such as sample numbers, weather conditions and field notes) 0 ppm

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ₃	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
16:58	260	18.89							
17:02	260	18.94	5.5	-152.5	.985	9.03	6.84	13.4	1L
18:05	260	18.98	1.8	-158.1	1.019	18.70	6.77	13.3	1L
17:08	260	18.98	.9	-163.4	1.021	18.66	6.77	13.3	1L
17:11	260	18.87	.5	-166.0	1.017	18.63	6.77	13.3	1L
17:14	260	18.87	.4	-167.2	1.014	16.43	6.77	13.3	1L
17:17	260	18.83	.3	-169.5	1.009	22.47	6.77	13.3	1L

Type of Samples collected: Table continues on back, if needed

Stabilization Criteria

D.O. +/- 0.3 mg/l
 Turb. +/- 10%
 S.C. +/- 3%
 ORP +/- 10 mV
 pH +/- 0.1 unit

1 casing volume was:
 Total volume purged prior to sample collection:
 BTOC-Below Top of Casing
 TOC-Top of Casing
 Specific Electrical Conductance

Sample # 23144215

17:20

Ground Water Sampling Log

Site Name: *McCormick + Baxter*
Well Depth(Ft-BTOC¹): *52.39*

Well #: *43;*

Date: *4/4/23*

Screen Interval(Ft): *5* *52.39 - 47.39*

Well Dia.: *2"*

Casing Material: *PVC*

Sampling Device: *peristaltic pump*

Pump placement(Ft from TOC²): *49.89*

Measuring Point: *black mark*

Water level (static)(Ft): *21.28'*

Water level (pumping)(Ft): *21.2*

Pump rate(Liter/min): *250 ml/min*

Sampling Personnel: *Jed Januch*

Other info: (such as sample numbers, weather conditions and field notes)

** water decompressing bubbles*

PID oppm, sheen

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
<i>4:55</i>	<i>250 ml/min</i>	<i>21.2</i>	<i>0.6</i>	<i>-173.8</i>	<i>.966</i>	<i>24.92</i>	<i>6.98</i>	<i>13.5</i>	<i>Ø 1L</i>
<i>4:58</i>	<i>"</i>	<i>23.39</i>	<i>0.4</i>	<i>-181.8</i>	<i>.963</i>	<i>91.02</i>	<i>6.98</i>	<i>13.5</i>	<i>1.75</i>
<i>5:01</i>	<i>"</i>	<i>23.71</i>	<i>0.3</i>	<i>-185.8</i>	<i>.967</i>	<i>74.39</i>	<i>6.99</i>	<i>13.5</i>	<i>2.5</i>
<i>5:04</i>	<i>"</i>	<i>24.09</i>	<i>0.3</i>	<i>-188.5</i>	<i>.972</i>	<i>102.21</i>	<i>6.99</i>	<i>13.5</i>	<i>3.25</i>
<i>5:07</i>	<i>250</i>	<i>24.2</i>	<i>0.2</i>	<i>-190.1</i>	<i>.979</i>	<i>45.89</i>	<i>6.99</i>	<i>13.4</i>	<i>4.0</i>

Type of Samples collected:

Table continues on back, if needed

17:10

Sample # 23144213

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Ground Water Sampling Log

Site Name: M.B
Well Depth(Ft-BTOC¹): 27.42

Well #: 365 Date: 4/4/23
Screen Interval(Ft): 28.42 - 13.42

Well Dia.: 4"

Casing Material: PVC Sampling Device: 2" RI

Pump placement(Ft from TOC²): 21' hand - 23'

Measuring Point: black mark Water level (static)(Ft): 20.05

Water level (pumping)(Ft): 20.50 Pump rate(Liter/min): 400 mL/min
0953

Sampling Personnel: Brent Richmond

Other info: (such as sample numbers, weather conditions and field notes) 0 ppm PID

Pressure Transducer in well cap and lowered pump rate and intake

Water Quality Indicator Parameters

Time	Pumping rates (L/Min)	Water level (ft)	DO (mg/L)	ORP (mv)	SEC ³	Turb. (NTU)	pH	Temp. (C°)	Volume pumped (L)
0957	.4	20.50	4.1	190.2	0.325	9.86	6.05	13.3	1.6
1002	.25	21.03	2.1	171.5	0.328	1.78	6.15	13.3	3.0
1006	.25	21.05	1.5	157.7	0.328	1.92	6.16	13.3	3.5
1009	.25	21.09	1.2	153.3	0.327	1.88	6.16	13.4	4.25
1012		21.10	1.0	150.0	0.330	1.12	6.23	13.5	6L
1015		21.11	0.9	145.3	0.333	1.40	6.17	13.5	8L
1018		21.12	0.8	138.4	0.332	1.01	6.16	13.5	10L

Type of Samples collected:

Table continues on back, if needed

1025 Sample Time

Sample # 23144206

Stabilization Criteria

D.O. +/- 0.3 mg/l
Turb. +/- 10%
S.C. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

1 casing volume was:

Total volume purged prior to sample collection:

¹BTOC-Below Top of Casing

²TOC-Top of Casing

³Specific Electrical Conductance

Appendix D 2023 YSI ProDSS Calibration Records

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/3/23 Operator: Brent Richmond
Instrument Serial Number: 20C203173 Software Revision: —
Handheld EPA Property # — Cable Model Number: 20C203189
Temperature Reading 9.4°C Temperature Accuracy ±0.1 N
True Barometric Pressure at time of calibration 763.9

Record the following data and calibration values:

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	YSI 3167	10/11/23	220100344	982	981		
Conductivity Secondary standards check							
pH 7	YSI 3822	22M55	12/29/24	7.09	7.07		
pH 4	YSI 3821	22L2R	11/16/24	4.03	4.00		
pH 10	YSI 3823	21F3T	6/23/23	10.21	10.21		
pH Secondary standard check							

9.2°C
9.5°C
8.7°C

Prc

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
7.8 ^{°C} ORP	HACH	A3037	2/24	233.2	198.2		
ORP Secondary standard check							
9.1 ^{°C} DO saturated column or water bath	H ₂ O	—	—	100%	102%		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI 6080	22A2249 0133	1/24	-8.54	0.00		
Turbidity 126	YSI 60736	22L2248 0122	12/23	114.81	124.0		
Turbidity 1000	YSI 6074	22L225 0220	12/23	999.5	1010		
Turbidity 12.7 Secondary standard check	YSI 6772	22K2246 6119	11/23			12.4 / 14.01	
Algae							
Algae check or Recal							
9.9 ^{°C} Confidence solution	YSI 5580	22F14	6/7/24	76007950 229-2251261 6.8-7.2	7522 2.08 7.02 2.18		

NOTES:

ATTACHMENT A - YSI ProDSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/3/23 Operator: Brent Richmond

Instrument Serial Number: 18F 102563 Software Revision: -

Handheld EPA Property # 88 6338 Cable Model Number: 18E101260

Temperature Reading 10.0 °C Temperature Accurate YN

True Barometric Pressure at time of calibration 763.764.0

Record the following data and calibration values:

	Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
	Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
9.0 °C	Conductivity	<u>YSI 3167</u>	<u>22D100347</u>	<u>10/11/23</u>	<u>10.1</u>	<u>10.12</u>		
	Conductivity Secondary standards check							
8.7 °C	pH 7	<u>YSI 3822</u>	<u>22M55</u>	<u>12/29/24</u>	<u>6.98</u> <u>7.08</u>	<u>7.08</u>		
9.0 °C	pH 4	<u>YSI 3811</u>	<u>22L2R</u>	<u>11/16/24</u>	<u>3.87</u>	<u>4.00</u>		
8.3 °C	pH 10	<u>YSI 3823</u>	<u>21F3T</u>	<u>6/23/23</u>	<u>10.13</u>	<u>10.21</u>		
	pH Secondary standard check							

Pre

8.5°C

9.4°C

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	HACH 200 MV	A3037	2/24	234.4 198.9	198.9		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	—	—	102%	101%		
DO Zero							
DO check or recalibration							
Turbidity 0	USF 6080 0	22A2249 0133	1/24	1.75	0.00		
Turbidity 126	USF 60736 124	22C2248 122	12/23	119.7	124.0		
Turbidity 1000	USF 6074	22C225 00120	12/23	1010 FNU	850.9		
Turbidity 12.7 Secondary standard check	USF 6072 +2.4 FNU	22K2246 6119	11/23			22.23	
Algae							
Algae check or Recal							
Confidence solution	USF 5580	22F1C	6/07/24			213 7470 261	

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/4/23 Operator: Brent Richmond

Instrument Serial Number: 18F102563 Software Revision: -

Handheld EPA Property # SB 6338 Cable Model Number: 286101260

Temperature Reading 12.2 5.6° Temperature Accurate: Y N

True Barometric Pressure at time of calibration 765.0

Record the following data and calibration values:

Temp	PFC							
	Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
	Example Buffer	XYZ, Corp.	ABC123		4.01	4.03	4.02	4.04
5.6°	Conductivity	YSI	22D100344	10/11/23	1.024	1.024		
	Conductivity Secondary standards check							
5.5°	pH 7	YSI 3822	22M55	12/29/24	7.13	7.10		
5.7°	pH 4	YSI 3821	22L2R	11/16/24	4.04	4.00		
5.8°	pH 10	YSI 3823	21F3T	6/23/23	10.21	10.25		
	pH Secondary standard check							

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	1st test 203 mV	A3537	2/24	201.1 195.7	195.7		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	-	-	98	101		
DO Zero							
DO check or recalibration							
Turbidity 0	YSS 6080	22A 2249 0133	1/24	0.02	0.03		
Turbidity 126	YSS 6073G	22L224 80122	12/23	128.05	124.00		
Turbidity 1000	YSS 6074	22L225 0920	12/23	1218.7	1010		
Turbidity 12.7 Secondary standard check	YSS 6072	22K22 466119	11/23		1	13.4	
Algae							
Algae check or Recal							
Confidence solution				6.8-7.2 760-765 238-267	7.06 7706 215.4		

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/4/23 Operator: Brent Richmond

Instrument Serial Number: 20C203178 Software Revision: —

Handheld EPA Property # — Cable Model Number: 20C203187

Temperature Reading 12.3 5.6°C Temperature Accurate: YN

True Barometric Pressure at time of calibration 764.8

Record the following data and calibration values:

Temp

Pre

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	YSI 3167	22D1003 44	10/11/23	.996	.996		
Conductivity Secondary standards check							
pH 7	YSI 3822	22M55	12/29/24	7.05	7.10		
pH 4	YSI 3821	22L2R	11/16/24	3.93	4.00		
pH 10	YSI 3823	21F3T	6/23/23	10.30	10.25		
pH Secondary standard check							

5.7°C

5.5°C

5.5°C

5.8°C

Pre

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	HACH 200 mV	A3037	2/24	203.1	195.9		
ORP Secondary standard check							
DO saturated column or water bath	1 H ₂ O	—	—	96% 100%	105% 101%		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI 6080	22A2249 0133	1/24	-1.04	0.00		
Turbidity 126	YSI 60736	22L224 80122	12/23	126.14	124.0		
Turbidity 1000	YSI 6074	22L225 00120	12/23	958.4	1010		
Turbidity 12.7 Secondary standard check	YSI 6072	22K22 466119	11/23	12.4	12.43	12.43	
Algae							
Algae check or Recal							
Confidence solution	YSI 5580	22L1C	11/1/24	$\frac{68-7.2}{7600-790}$ 238.267	$\frac{7.09}{7547}$ 215.6		

NOTES:

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

* Turbidity
is high

Date of Calibration: 4/5/23 Operator: Brent Richmond

Instrument Serial Number: 18F102563 Software Revision: —

Handheld EPA Property # SB 6338 Cable Model Number: 28E101260

Temperature Reading 6°C Temperature Accurate: ☒ N

True Barometric Pressure at time of calibration 766.8

Record the following data and calibration values:

Temp
6.1°C

pre

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
Conductivity	YSI 3167	22010034	10/11/23	0.969 1.000	0.969 1.000		
Conductivity Secondary standards check							
pH 7	YSI 3822	22M55	12/21/24	7.13	7.09		
pH 4	YSI 3821	22L2R	11/16/24	4.08	4.00		
pH 10	YSI 3823	22M4T	12/23/24	10.29	10.24		
pH Secondary standard check							

6.1°C

5.9°C

6.2°C

6.3°C

Re

Temp

6.3°C

7.7°C

Turbidity
is
high

6.4°C

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	HACH	A3037	2/24	195.71	195.5		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	—	—	101%	101%		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI 6080	22A2249 0133	1/24	0.54	0		
Turbidity 126	YSI 60736	22L2248 0122	12/23	128.33	124		
Turbidity 1000	YSI 6074	22L225 00120	12/23	1058.7	1010		
Turbidity 12.7 Secondary standard check	YSI 6772 12.4	22K2246 6119				19.87	27.97 15.17 → HV
Algae							
Algae check or Recal							
Confidence solution	YSI 5580	22L1C	11/1/24	7600-7950 0.8-7.2 238-268	7386 7.00 214.7	7740 7.00 207.5	
							temp 10.1°C

NOTES: Turbidity is high

ATTACHMENT A - YSI PRODSS CALIBRATION RECORD

Use Form or instrument logbook to record the following:

Date of Calibration: 4/5/23 Operator: Brent Richmond

Instrument Serial Number: 206203173 Software Revision: —

Handheld EPA Property # — Cable Model Number: 20C203189

Temperature Reading 6°C Temperature Accurate: ☒ N

True Barometric Pressure at time of calibration 766.8

Record the following data and calibration values:

<u>Temp</u>	<u>Pre</u>							
	Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
	Example Buffer	Xyz, Corp.	ABC123		4.01	4.03	4.02	4.04
6°C	Conductivity	YSI 3167	220100344	10/11/23	1.009	1.009		
	Conductivity Secondary standards check							
5.6°C	pH 7	YSI 3822	22M55	12/29/24	7.12	7.10		
6.1°C	pH 4	YSI 3821	22L2R	11/16/24	4.04	4.00		
6.1°C	pH 10	YSI 3823	22M4T	12/23/24	10.28	10.24		
	pH Secondary standard check							

Temp

6.1°C

7.7°C

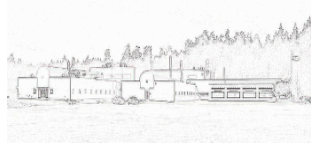
6.1°C

Name	Manufacturer	Lot	Expiration	Cal Value	Post Cal Value	Confidence check reading	Drift Reading
ORP	HACH	13037	2/24	6 ^{195.3}	195.2		
ORP Secondary standard check							
DO saturated column or water bath	H ₂ O	—	—	101%	101%		
DO Zero							
DO check or recalibration							
Turbidity 0	YSI 6080	22A2249 0135	1/24	-1.66	0		
Turbidity 126	YSI 6073G	22L2248 0122	12/23	123.24	124		
Turbidity 1000	YSI 6074	22L2245 00120	12/23	1045.10	1010		
Turbidity 12.7 Secondary standard check	YSI 6772 12.4	22K2246 6119	11/23			12.43	12.61 15117-Hm
Algae							
Algae check or Recal							
Confidence solution	YSI 5580	22LIC	11/1/24	7.00-7.950 6.8-7.2 238-268	7.782 7.10 213.0	3761 7.03 208	
							Temp

NOTES: Check conductivity probe or confidence solution

18.2°C
10.4°C

Appendix E 2022 Final Data Reports



US EPA Region 10 Laboratory

Multi-Analyte Final Report



Project Code : SFP-179A

Site : McCORMICK & BAXTER: GW OU3

Contact : Annie Christopher

Account : 2022T10P000FD210P9LA00

Sample : 22174200

Information : MW-32i

Matrix : Water

Collected : 4/18/2022 11:26:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	14.1	ug/L		5/ 3/22	4
7440473	Chromium	1.7	ug/L		5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174201

Information : MW-As

Matrix : Water

Collected : 4/18/2022 11:35:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	5.60	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174202

Information : MW-32i

Matrix : Water

Collected : 4/18/2022 11:20:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	13.7	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	21.2	ug/L		5/ 3/22	4

Sample : 22174203

Information : PW-1d

Matrix : Water

Collected : 4/18/2022 3:30:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	5.92	ug/L		5/ 3/22	4
7440473	Chromium	3.6	ug/L		5/ 3/22	4
7440508	Copper	4.46	ug/L		5/ 3/22	4
7440666	Zinc	22.8	ug/L		5/ 3/22	4

Sample : 22174204

Information : MW-Os

Matrix : Water

Collected : 4/18/2022 2:00:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	1.2	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	5.52	ug/L		5/ 3/22	4
7440666	Zinc	162	ug/L		5/ 3/22	4

Sample : 22174205

Information : PW-2d

Matrix : Water

Collected : 4/18/2022 4:45:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	2.5	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174206

Information : MW-61s

Matrix : Water

Collected : 4/18/2022 4:27:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	15.8	ug/L		5/ 3/22	4
7440508	Copper	3.5	ug/L		5/ 3/22	4
7440666	Zinc	22.5	ug/L		5/ 3/22	4

Sample : 22174207

Information : MW-7 WC

Matrix : Water

Collected : 4/19/2022 10:10:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	11.4	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174208

Information : MW-35r

Matrix : Water

Collected : 4/19/2022 1:25:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	3.3	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174209

Information : MW-55s

Matrix : Water

Collected : 4/21/2022 4:46:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	4.72	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174210

Information : MW-53s

Matrix : Water

Collected : 4/21/2022 6:19:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	17.2	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174211

Information : MW-57s

Matrix : Water

Collected : 4/21/2022 5:00:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	10.5	ug/L		5/ 3/22	4
7440473	Chromium	2.5	ug/L		5/ 3/22	4
7440508	Copper	2.6	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174212

Information : MW-49s

Matrix : Water

Collected : 4/20/2022 4:49:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174213

Information : MW-47s

Matrix : Water

Collected : 4/20/2022 3:20:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	21.0	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174214

Information : MW-59s

Matrix : Water

Collected : 4/21/2022 6:35:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	43.6	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	2.0	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174215

Information : MW-58d

Matrix : Water

Collected : 4/19/2022 12:05:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	7.89	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	1.0	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174216

Information : MW-58i

Matrix : Water

Collected : 4/19/2022 12:05:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	47.9	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.98	ug/L		5/ 3/22	4
7440666	Zinc	95.4	ug/L		5/ 3/22	4

Sample : 22174217

Information : MW-58s

Matrix : Water

Collected : 4/19/2022 1:15:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	1.6	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174218**Information :** MW-37d**Matrix :** Water**Collected :** 4/19/2022 4:30:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	37.6	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174219**Information :** MW-37i**Matrix :** Water**Collected :** 4/19/2022 4:10:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	45.7	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174220

Information : MW-37i

Matrix : Water

Collected : 4/19/2022 4:20:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	44.7	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174221

Information : MW-37s

Matrix : Water

Collected : 4/19/2022 5:30:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	14.6	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174222

Information : MW-39d

Matrix : Water

Collected : 4/20/2022 10:55:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	32.5	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	2.8	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174223

Information : MW-39i

Matrix : Water

Collected : 4/19/2022 5:50:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	33.8	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174224

Information : MW-39s

Matrix : Water

Collected : 4/20/2022 9:53:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	11.7	ug/L		5/ 3/22	4
7440473	Chromium	3.0	ug/L		5/ 3/22	4
7440508	Copper	2.2	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174228

Information : MW-43d

Matrix : Water

Collected : 4/20/2022 11:50:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	30.9	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174229

Information : MW-43i

Matrix : Water

Collected : 4/20/2022 11:40:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	31.2	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	1.5	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174230

Information : MW-43s

Matrix : Water

Collected : 4/20/2022 12:59:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	3.3	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174231

Information : MW-45d

Matrix : Water

Collected : 4/20/2022 3:40:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	8.88	ug/L		5/ 3/22	4
7440473	Chromium	3.2	ug/L		5/ 3/22	4
7440508	Copper	4.09	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174232

Information : MW-45i

Matrix : Water

Collected : 4/20/2022 1:10:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	39.0	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174233

Information : MW-45s

Matrix : Water

Collected : 4/20/2022 5:10:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	32.3	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174234

Information : MW-1r

Matrix : Water

Collected : 4/19/2022 9:40:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	2.2	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	3.7	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174237

Information : MW-20i

Matrix : Water

Collected : 4/21/2022 1:05:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	1.5	ug/L		5/ 3/22	4
7440473	Chromium	2.7	ug/L		5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174238

Information : MW-Gs

Matrix : Water

Collected : 4/21/2022 2:15:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	38.4	ug/L		5/ 3/22	4
7440473	Chromium	3.6	ug/L		5/ 3/22	4
7440508	Copper	2.6	ug/L		5/ 3/22	4
7440666	Zinc	35.5	ug/L		5/ 3/22	4

Sample : 22174239

Information : MW-34i

Matrix : Water

Collected : 4/21/2022 10:55:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	37.3	ug/L		5/ 3/22	4
7440473	Chromium	4.0	ug/L		5/ 3/22	4
7440508	Copper	3.1	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174240

Information : MW-39d

Matrix : Water

Collected : 4/20/2022 11:00:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	32.8	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	2.8	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174241

Information : EW-10s

Matrix : Water

Collected : 4/21/2022 11:35:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	29.7	ug/L		5/ 3/22	4
7440473	Chromium	6.6	ug/L		5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174242

Information : EW-19s

Matrix : Water

Collected : 4/21/2022 10:37:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	22.7	ug/L		5/ 3/22	4
7440473	Chromium	7.2	ug/L		5/ 3/22	4
7440508	Copper	2.1	ug/L		5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174243

Information : blank

Matrix : Water

Collected : 4/18/2022 12:00:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174244

Information : blank

Matrix : Water

Collected : 4/19/2022 6:00:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174245**Information :** blank**Matrix :** Water**Collected :** 4/20/2022 5:48:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174246**Information :** blank**Matrix :** Water**Collected :** 4/21/2022 5:15:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174201 Sample Duplicate**Information :** MW-As**Matrix :** Water**Collected :** 4/18/2022 11:35:00AM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	5.67	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174221 Sample Duplicate**Information :** MW-37s**Matrix :** Water**Collected :** 4/19/2022 5:30:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	14.2	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174223 Sample Duplicate**Information :** MW-39i**Matrix :** Water**Collected :** 4/19/2022 5:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	33.2	ug/L		5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : 22174201 Matrix Spike**Information :** MW-As**Matrix :** Water**Collected :** 4/18/2022 11:35:00AM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	98	%Rec		5/ 3/22	4
7440473	Chromium	98	%Rec		5/ 3/22	4
7440508	Copper	92	%Rec		5/ 3/22	4
7440666	Zinc	95	%Rec		5/ 3/22	4

Sample : 22174221 Matrix Spike**Information :** MW-37s**Matrix :** Water**Collected :** 4/19/2022 5:30:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	99	%Rec		5/ 3/22	4
7440473	Chromium	95	%Rec		5/ 3/22	4
7440508	Copper	90	%Rec		5/ 3/22	4
7440666	Zinc	93	%Rec		5/ 3/22	4

Sample : 22174223 Matrix Spike**Information :** MW-39i**Matrix :** Water**Collected :** 4/19/2022 5:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	97	%Rec		5/ 3/22	4
7440473	Chromium	94	%Rec		5/ 3/22	4
7440508	Copper	87	%Rec		5/ 3/22	4
7440666	Zinc	92	%Rec		5/ 3/22	4

Sample : 22174201 Matrix Spike#2**Information :** MW-As**Matrix :** Water**Collected :** 4/18/2022 11:35:00AM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	98	%Rec		5/ 3/22	4
7440473	Chromium	94	%Rec		5/ 3/22	4
7440508	Copper	89	%Rec		5/ 3/22	4
7440666	Zinc	98	%Rec		5/ 3/22	4

Sample : 22174221 Matrix Spike#2**Information :** MW-37s**Matrix :** Water**Collected :** 4/19/2022 5:30:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	96	%Rec		5/ 3/22	4
7440473	Chromium	95	%Rec		5/ 3/22	4
7440508	Copper	88	%Rec		5/ 3/22	4
7440666	Zinc	92	%Rec		5/ 3/22	4

Sample : 22174223 Matrix Spike#2**Information :** MW-39i**Matrix :** Water**Collected :** 4/19/2022 5:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	98	%Rec		5/ 3/22	4
7440473	Chromium	96	%Rec		5/ 3/22	4
7440508	Copper	87	%Rec		5/ 3/22	4
7440666	Zinc	95	%Rec		5/ 3/22	4

Sample : IW042722ABL Blank**Information :** Blank**Matrix :** Liquid**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : IW042722BBL Blank

Information : Blank

Matrix : Liquid

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : IW042722CBL Blank

Information : Blank

Matrix : Liquid

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	5/ 3/22	4
7440473	Chromium	1.6	ug/L	U	5/ 3/22	4
7440508	Copper	0.80	ug/L	U	5/ 3/22	4
7440666	Zinc	12	ug/L	U	5/ 3/22	4

Sample : IW072422AL1 Lab Control Std

Information : Lab Control Standard

Matrix : Liquid

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

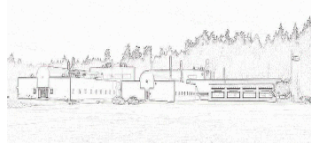
Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	98	%Rec		5/ 3/22	4
7440473	Chromium	98	%Rec		5/ 3/22	4
7440508	Copper	95	%Rec		5/ 3/22	4
7440666	Zinc	97	%Rec		5/ 3/22	4

Sample : IW072422BL1 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	100	%Rec		5/ 3/22	4
7440473	Chromium	98	%Rec		5/ 3/22	4
7440508	Copper	95	%Rec		5/ 3/22	4
7440666	Zinc	97	%Rec		5/ 3/22	4

Sample : IW072422CL1 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	99	%Rec		5/ 3/22	4
7440473	Chromium	97	%Rec		5/ 3/22	4
7440508	Copper	92	%Rec		5/ 3/22	4
7440666	Zinc	100	%Rec		5/ 3/22	4



US EPA Region 10 Laboratory

Multi-Analyte Final Report



Project Code : SFP-179A

Site : McCORMICK & BAXTER: GW OU3

Contact : Annie Christopher

Account : 2022T10P000FD210P9LA00

Sample : 22174200

Information : MW-32i

Matrix : Water

Collected : 4/18/2022 11:26:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/28/22	1
83329	Acenaphthene	0.094	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/28/22	1
120127	Anthracene	0.094	ug/L	U	4/28/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/28/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/28/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/28/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/28/22	1
218019	Chrysene	0.094	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/28/22	1
206440	Fluoranthene	0.094	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/28/22	1
91203	Naphthalene	0.094	ug/L	U	4/28/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/28/22	1
85018	Phenanthrene	0.094	ug/L	U	4/28/22	1
129000	Pyrene	0.094	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	28	%Rec		4/28/22	1
1718510	Terphenyl-d14	59	%Rec		4/28/22	1

Sample : 22174201

Information : MW-As

Matrix : Water

Collected : 4/18/2022 11:35:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	UJ	4/28/22	1
83329	Acenaphthene	0.094	ug/L	UJ	4/28/22	1
208968	Acenaphthylene	0.094	ug/L	UJ	4/28/22	1
120127	Anthracene	0.094	ug/L	UJ	4/28/22	1
56553	Benzo(a)anthracene	0.094	ug/L	UJ	4/28/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/28/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/28/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/28/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/28/22	1
218019	Chrysene	0.094	ug/L	UJ	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/28/22	1
206440	Fluoranthene	0.094	ug/L	UJ	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/28/22	1
91203	Naphthalene	0.094	ug/L	UJ	4/28/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	UJ	4/28/22	1
85018	Phenanthrene	0.094	ug/L	UJ	4/28/22	1
129000	Pyrene	0.094	ug/L	UJ	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	17	%Rec		4/28/22	1
1718510	Terphenyl-d14	46	%Rec		4/28/22	1

Sample : 22174202

Information : MW-32i

Matrix : Water

Collected : 4/18/2022 11:20:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/28/22	1
83329	Acenaphthene	0.094	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/28/22	1
120127	Anthracene	0.094	ug/L	U	4/28/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/28/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/28/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/28/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/28/22	1
218019	Chrysene	0.094	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/28/22	1
206440	Fluoranthene	0.094	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/28/22	1
91203	Naphthalene	0.094	ug/L	U	4/28/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/28/22	1
85018	Phenanthrene	0.094	ug/L	U	4/28/22	1
129000	Pyrene	0.094	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	35	%Rec		4/28/22	1
1718510	Terphenyl-d14	62	%Rec		4/28/22	1

Sample : 22174203

Information : PW-1d

Matrix : Water

Collected : 4/18/2022 3:30:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/28/22	1
83329	Acenaphthene	0.094	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/28/22	1
120127	Anthracene	0.094	ug/L	U	4/28/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/28/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/28/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/28/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/28/22	1
218019	Chrysene	0.094	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/28/22	1
206440	Fluoranthene	0.094	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/28/22	1
91203	Naphthalene	0.094	ug/L	U	4/28/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/28/22	1
85018	Phenanthrene	0.094	ug/L	U	4/28/22	1
129000	Pyrene	0.094	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	24	%Rec		4/28/22	1
1718510	Terphenyl-d14	54	%Rec		4/28/22	1

Sample : 22174204

Information : MW-Os

Matrix : Water

Collected : 4/18/2022 2:00:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/28/22	1
83329	Acenaphthene	0.094	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/28/22	1
120127	Anthracene	0.094	ug/L	U	4/28/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/28/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/28/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/28/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/28/22	1
218019	Chrysene	0.094	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/28/22	1
206440	Fluoranthene	0.094	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/28/22	1
91203	Naphthalene	0.094	ug/L	U	4/28/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/28/22	1
85018	Phenanthrene	0.094	ug/L	U	4/28/22	1
129000	Pyrene	0.094	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	65	%Rec		4/28/22	1
1718510	Terphenyl-d14	76	%Rec		4/28/22	1

Sample : 22174205

Information : PW-2d

Matrix : Water

Collected : 4/18/2022 4:45:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.094	ug/L	U	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	36	%Rec		4/29/22	1
1718510	Terphenyl-d14	71	%Rec		4/29/22	1

Sample : 22174206

Information : MW-61s

Matrix : Water

Collected : 4/18/2022 4:27:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.12	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	75	%Rec		4/29/22	1
1718510	Terphenyl-d14	84	%Rec		4/29/22	1

Sample : 22174207

Information : MW-7 WC

Matrix : Water

Collected : 4/19/2022 10:10:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.10	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	56	%Rec		4/29/22	1
1718510	Terphenyl-d14	74	%Rec		4/29/22	1

Sample : 22174208

Information : MW-35r

Matrix : Water

Collected : 4/19/2022 1:25:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.11	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	66	%Rec		4/29/22	1
1718510	Terphenyl-d14	75	%Rec		4/29/22	1

Sample : 22174209

Information : MW-55s

Matrix : Water

Collected : 4/21/2022 4:46:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.23	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.40	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.20	ug/L		4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	55	%Rec		4/29/22	1
1718510	Terphenyl-d14	83	%Rec		4/29/22	1

Sample : 22174210

Information : MW-53s

Matrix : Water

Collected : 4/21/2022 6:19:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.53	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.11	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.19	ug/L		4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	54	%Rec		4/29/22	1
1718510	Terphenyl-d14	89	%Rec		4/29/22	1

Sample : 22174211

Information : MW-57s

Matrix : Water

Collected : 4/21/2022 5:00:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	3.5	ug/L		4/29/22	1
83329	Acenaphthene	18	ug/L		5/ 3/22	20
208968	Acenaphthylene	0.65	ug/L		4/29/22	1
120127	Anthracene	0.42	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.31	ug/L		4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	730	ug/L		5/ 4/22	100
91576	Naphthalene, 2-methyl-	38	ug/L		5/ 3/22	20
85018	Phenanthrene	0.92	ug/L		4/29/22	1
129000	Pyrene	0.21	ug/L		4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	46	%Rec		4/29/22	1
1718510	Terphenyl-d14	72	%Rec		4/29/22	1

Sample : 22174212

Information : MW-49s

Matrix : Water

Collected : 4/20/2022 4:49:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.19	ug/L		4/29/22	1
83329	Acenaphthene	1.8	ug/L		4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.13	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	77	%Rec		4/29/22	1
1718510	Terphenyl-d14	88	%Rec		4/29/22	1

Sample : 22174213

Information : MW-47s

Matrix : Water

Collected : 4/20/2022 3:20:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	3.2	ug/L		4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.12	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.22	ug/L		4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	81	%Rec		4/29/22	1
1718510	Terphenyl-d14	93	%Rec		4/29/22	1

Sample : 22174214

Information : MW-59s

Matrix : Water

Collected : 4/21/2022 6:35:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.17	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.18	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	56	%Rec		4/29/22	1
1718510	Terphenyl-d14	73	%Rec		4/29/22	1

Sample : 22174215

Information : MW-58d

Matrix : Water

Collected : 4/19/2022 12:05:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	UJ	4/29/22	1
83329	Acenaphthene	0.094	ug/L	UJ	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	UJ	4/29/22	1
120127	Anthracene	0.11	ug/L	J	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	UJ	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	UJ	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	UJ	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.094	ug/L	UJ	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	UJ	4/29/22	1
85018	Phenanthrene	0.094	ug/L	UJ	4/29/22	1
129000	Pyrene	0.094	ug/L	UJ	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	29	%Rec		4/29/22	1
1718510	Terphenyl-d14	49	%Rec		4/29/22	1

Sample : 22174216

Information : MW-58i

Matrix : Water

Collected : 4/19/2022 12:05:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.13	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	69	%Rec		4/29/22	1
1718510	Terphenyl-d14	82	%Rec		4/29/22	1

Sample : 22174217

Information : MW-58s

Matrix : Water

Collected : 4/19/2022 1:15:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.14	ug/L		4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.096	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	62	%Rec		4/29/22	1
1718510	Terphenyl-d14	77	%Rec		4/29/22	1

Sample : 22174218

Information : MW-37d

Matrix : Water

Collected : 4/19/2022 4:30:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	1.8	ug/L		4/29/22	1
83329	Acenaphthene	18	ug/L		5/ 3/22	10
208968	Acenaphthylene	0.30	ug/L		4/29/22	1
120127	Anthracene	0.10	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	56	%Rec		4/29/22	1
1718510	Terphenyl-d14	72	%Rec		4/29/22	1

Sample : 22174219

Information : MW-37i

Matrix : Water

Collected : 4/19/2022 4:10:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.63	ug/L		4/29/22	1
83329	Acenaphthene	19	ug/L		5/ 3/22	10
208968	Acenaphthylene	0.19	ug/L		4/29/22	1
120127	Anthracene	0.14	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	61	%Rec		4/29/22	1
1718510	Terphenyl-d14	76	%Rec		4/29/22	1

Sample : 22174220

Information : MW-37i

Matrix : Water

Collected : 4/19/2022 4:20:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.65	ug/L		4/29/22	1
83329	Acenaphthene	19	ug/L		5/ 3/22	10
208968	Acenaphthylene	0.18	ug/L		4/29/22	1
120127	Anthracene	0.14	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	58	%Rec		4/29/22	1
1718510	Terphenyl-d14	74	%Rec		4/29/22	1

Sample : 22174221

Information : MW-37s

Matrix : Water

Collected : 4/19/2022 5:30:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	43	ug/L		5/ 2/22	10
83329	Acenaphthene	99	ug/L		5/ 2/22	10
208968	Acenaphthylene	1.6	ug/L		4/28/22	1
120127	Anthracene	3.9	ug/L		4/28/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/28/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/28/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/28/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/28/22	1
218019	Chrysene	0.094	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/28/22	1
206440	Fluoranthene	1.4	ug/L		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/28/22	1
91203	Naphthalene	1000	ug/L		5/ 2/22	100
91576	Naphthalene, 2-methyl-	86	ug/L		5/ 2/22	10
85018	Phenanthrene	18	ug/L		4/28/22	1
129000	Pyrene	0.76	ug/L		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	52	%Rec		4/28/22	1
1718510	Terphenyl-d14	67	%Rec		4/28/22	1

Sample : 22174222

Information : MW-39d

Matrix : Water

Collected : 4/20/2022 10:55:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	4.4	ug/L		4/29/22	1
83329	Acenaphthene	40	ug/L		5/ 3/22	10
208968	Acenaphthylene	0.48	ug/L		4/29/22	1
120127	Anthracene	0.23	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	1.6	ug/L		4/29/22	1
91576	Naphthalene, 2-methyl-	0.14	ug/L		4/29/22	1
85018	Phenanthrene	0.10	ug/L		4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	28	%Rec		4/29/22	1
1718510	Terphenyl-d14	54	%Rec		4/29/22	1

Sample : 22174223

Information : MW-39i

Matrix : Water

Collected : 4/19/2022 5:50:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/28/22	1
83329	Acenaphthene	0.094	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/28/22	1
120127	Anthracene	0.13	ug/L		4/28/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/28/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/28/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/28/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/28/22	1
218019	Chrysene	0.094	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/28/22	1
206440	Fluoranthene	0.094	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/28/22	1
91203	Naphthalene	0.094	ug/L	U	4/28/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/28/22	1
85018	Phenanthrene	0.094	ug/L	U	4/28/22	1
129000	Pyrene	0.094	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	53	%Rec		4/28/22	1
1718510	Terphenyl-d14	72	%Rec		4/28/22	1

Sample : 22174224

Information : MW-39s

Matrix : Water

Collected : 4/20/2022 9:53:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	UJ	4/29/22	1
83329	Acenaphthene	0.16	ug/L	J	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	UJ	4/29/22	1
120127	Anthracene	0.25	ug/L	J	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	UJ	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	UJ	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	UJ	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.65	ug/L	J	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	UJ	4/29/22	1
85018	Phenanthrene	0.094	ug/L	UJ	4/29/22	1
129000	Pyrene	0.094	ug/L	UJ	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	26	%Rec		4/29/22	1
1718510	Terphenyl-d14	43	%Rec		4/29/22	1

Sample : 22174228

Information : MW-43d

Matrix : Water

Collected : 4/20/2022 11:50:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.77	ug/L		4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.19	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.17	ug/L		4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.13	ug/L		4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.47	ug/L		4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	1.1	ug/L		4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	45	%Rec		4/29/22	1
1718510	Terphenyl-d14	78	%Rec		4/29/22	1

Sample : 22174229

Information : MW-43i

Matrix : Water

Collected : 4/20/2022 11:40:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	UJ	4/29/22	1
83329	Acenaphthene	11	ug/L	J	4/29/22	1
208968	Acenaphthylene	0.12	ug/L	J	4/29/22	1
120127	Anthracene	0.45	ug/L	J	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	UJ	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	UJ	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	UJ	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.20	ug/L	UJ	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	UJ	4/29/22	1
85018	Phenanthrene	0.19	ug/L	J	4/29/22	1
129000	Pyrene	0.55	ug/L	J	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	25	%Rec		4/29/22	1
1718510	Terphenyl-d14	42	%Rec		4/29/22	1

Sample : 22174230

Information : MW-43s

Matrix : Water

Collected : 4/20/2022 12:59:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.20	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	41	%Rec		4/29/22	1
1718510	Terphenyl-d14	72	%Rec		4/29/22	1

Sample : 22174231

Information : MW-45d

Matrix : Water

Collected : 4/20/2022 3:40:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	UJ	4/29/22	1
83329	Acenaphthene	0.094	ug/L	UJ	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	UJ	4/29/22	1
120127	Anthracene	0.094	ug/L	UJ	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	UJ	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	UJ	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	UJ	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.13	ug/L	J	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	UJ	4/29/22	1
85018	Phenanthrene	0.094	ug/L	UJ	4/29/22	1
129000	Pyrene	0.094	ug/L	UJ	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	31	%Rec		4/29/22	1
1718510	Terphenyl-d14	44	%Rec		4/29/22	1

Sample : 22174232

Information : MW-45i

Matrix : Water

Collected : 4/20/2022 1:10:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	50	ug/L		5/ 3/22	10
83329	Acenaphthene	160	ug/L		5/ 3/22	10
208968	Acenaphthylene	1.6	ug/L		4/29/22	1
120127	Anthracene	0.96	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.44	ug/L		4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	830	ug/L		5/ 3/22	100
91576	Naphthalene, 2-methyl-	160	ug/L		5/ 3/22	10
85018	Phenanthrene	8.6	ug/L		4/29/22	1
129000	Pyrene	0.31	ug/L		4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	57	%Rec		4/29/22	1
1718510	Terphenyl-d14	84	%Rec		4/29/22	1

Sample : 22174233

Information : MW-45s

Matrix : Water

Collected : 4/20/2022 5:10:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	16	ug/L		4/29/22	1
83329	Acenaphthene	28	ug/L		5/ 3/22	10
208968	Acenaphthylene	0.53	ug/L		4/29/22	1
120127	Anthracene	1.1	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	1.9	ug/L		4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	120	ug/L		5/ 3/22	10
91576	Naphthalene, 2-methyl-	6.5	ug/L		4/29/22	1
85018	Phenanthrene	4.3	ug/L		4/29/22	1
129000	Pyrene	1.0	ug/L		4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	75	%Rec		4/29/22	1
1718510	Terphenyl-d14	92	%Rec		4/29/22	1

Sample : 22174234

Information : MW-1r

Matrix : Water

Collected : 4/19/2022 9:40:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.094	ug/L	U	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	65	%Rec		4/29/22	1
1718510	Terphenyl-d14	79	%Rec		4/29/22	1

Sample : 22174237

Information : MW-20i

Matrix : Water

Collected : 4/21/2022 1:05:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	190	ug/L		5/ 3/22	100
83329	Acenaphthene	350	ug/L		5/ 3/22	100
208968	Acenaphthylene	5.2	ug/L		4/29/22	1
120127	Anthracene	17	ug/L		4/29/22	1
56553	Benzo(a)anthracene	10	ug/L		4/29/22	1
50328	Benzo(a)pyrene	3.9	ug/L		4/29/22	1
191242	Benzo(g,h,i)perylene	0.74	ug/L		4/29/22	1
205992	Benzo[b]Fluoranthene	7.4	ug/L		4/29/22	1
207089	Benzo[k]fluoranthene	1.9	ug/L		4/29/22	1
218019	Chrysene	8.3	ug/L		4/29/22	1
53703	Dibenzo[a,h]anthracene	0.33	ug/L		4/29/22	1
206440	Fluoranthene	64	ug/L		5/ 3/22	10
193395	Indeno(1,2,3-cd)pyrene	0.77	ug/L		4/29/22	1
91203	Naphthalene	5800	ug/L		5/ 4/22	1000
91576	Naphthalene, 2-methyl-	470	ug/L		5/ 3/22	100
85018	Phenanthrene	210	ug/L		5/ 3/22	100
129000	Pyrene	42	ug/L		5/ 3/22	10
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	57	%Rec		4/29/22	1
1718510	Terphenyl-d14	69	%Rec		4/29/22	1

Sample : 22174238

Information : MW-Gs

Matrix : Water

Collected : 4/21/2022 2:15:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	230	ug/L		5/ 3/22	100
83329	Acenaphthene	390	ug/L		5/ 3/22	100
208968	Acenaphthylene	5.2	ug/L		4/29/22	1
120127	Anthracene	19	ug/L		4/29/22	1
56553	Benzo(a)anthracene	8.3	ug/L		4/29/22	1
50328	Benzo(a)pyrene	4.5	ug/L		4/29/22	1
191242	Benzo(g,h,i)perylene	0.90	ug/L		4/29/22	1
205992	Benzo[b]Fluoranthene	9.0	ug/L		4/29/22	1
207089	Benzo[k]fluoranthene	2.4	ug/L		4/29/22	1
218019	Chrysene	6.9	ug/L		4/29/22	1
53703	Dibenzo[a,h]anthracene	0.41	ug/L		4/29/22	1
206440	Fluoranthene	72	ug/L		5/ 3/22	10
193395	Indeno(1,2,3-cd)pyrene	0.90	ug/L		4/29/22	1
91203	Naphthalene	8900	ug/L		5/ 3/22	1000
91576	Naphthalene, 2-methyl-	990	ug/L		5/ 3/22	100
85018	Phenanthrene	270	ug/L		5/ 3/22	100
129000	Pyrene	46	ug/L		5/ 3/22	10
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	74	%Rec		4/29/22	1
1718510	Terphenyl-d14	83	%Rec		4/29/22	1

Sample : 22174239

Information : MW-34i

Matrix : Water

Collected : 4/21/2022 10:55:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.92	ug/L		4/29/22	1
83329	Acenaphthene	9.2	ug/L		4/29/22	1
208968	Acenaphthylene	0.12	ug/L		4/29/22	1
120127	Anthracene	0.13	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.27	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.22	ug/L		4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	41	%Rec		4/29/22	1
1718510	Terphenyl-d14	69	%Rec		4/29/22	1

Sample : 22174240

Information : MW-39d

Matrix : Water

Collected : 4/20/2022 11:00:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	4.7	ug/L		4/29/22	1
83329	Acenaphthene	38	ug/L		5/ 3/22	10
208968	Acenaphthylene	0.51	ug/L		4/29/22	1
120127	Anthracene	0.28	ug/L		4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	UJ	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	UJ	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	UJ	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	UJ	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	UJ	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	UJ	4/29/22	1
91203	Naphthalene	0.22	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.12	ug/L		4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	26	%Rec		4/29/22	1
1718510	Terphenyl-d14	53	%Rec		4/29/22	1

Sample : 22174241

Information : EW-10s

Matrix : Water

Collected : 4/21/2022 11:35:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	680	ug/L		5/ 3/22	100
83329	Acenaphthene	990	ug/L		5/ 3/22	100
208968	Acenaphthylene	7.5	ug/L		4/29/22	1
120127	Anthracene	180	ug/L		5/ 3/22	10
56553	Benzo(a)anthracene	120	ug/L		5/ 3/22	10
50328	Benzo(a)pyrene	35	ug/L		5/ 3/22	10
191242	Benzo(g,h,i)perylene	6.3	ug/L		4/29/22	1
205992	Benzo[b]Fluoranthene	63	ug/L		5/ 3/22	10
207089	Benzo[k]fluoranthene	18	ug/L		4/29/22	1
218019	Chrysene	97	ug/L		5/ 3/22	10
53703	Dibenzo[a,h]anthracene	2.6	ug/L		4/29/22	1
206440	Fluoranthene	640	ug/L		5/ 3/22	100
193395	Indeno(1,2,3-cd)pyrene	6.5	ug/L		4/29/22	1
91203	Naphthalene	710	ug/L		5/ 3/22	100
91576	Naphthalene, 2-methyl-	590	ug/L		5/ 3/22	100
85018	Phenanthrene	1200	ug/L		5/ 3/22	100
129000	Pyrene	420	ug/L		5/ 3/22	100
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	61	%Rec		4/29/22	1
1718510	Terphenyl-d14	110	%Rec		4/29/22	1

Sample : 22174242

Information : EW-19s

Matrix : Water

Collected : 4/21/2022 10:37:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	70	ug/L		5/ 3/22	10
83329	Acenaphthene	160	ug/L		5/ 3/22	10
208968	Acenaphthylene	4.3	ug/L		4/29/22	1
120127	Anthracene	8.1	ug/L		4/29/22	1
56553	Benzo(a)anthracene	4.4	ug/L		4/29/22	1
50328	Benzo(a)pyrene	3.6	ug/L		4/29/22	1
191242	Benzo(g,h,i)perylene	1.3	ug/L		4/29/22	1
205992	Benzo[b]Fluoranthene	5.3	ug/L		4/29/22	1
207089	Benzo[k]fluoranthene	1.3	ug/L		4/29/22	1
218019	Chrysene	3.8	ug/L		4/29/22	1
53703	Dibenzo[a,h]anthracene	0.29	ug/L		4/29/22	1
206440	Fluoranthene	15	ug/L		4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	1.3	ug/L		4/29/22	1
91203	Naphthalene	200	ug/L		5/ 3/22	100
91576	Naphthalene, 2-methyl-	70	ug/L		5/ 3/22	10
85018	Phenanthrene	57	ug/L		5/ 3/22	10
129000	Pyrene	16	ug/L		4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	71	%Rec		4/29/22	1
1718510	Terphenyl-d14	74	%Rec		4/29/22	1

Sample : 22174243

Information : blank

Matrix : Water

Collected : 4/18/2022 12:00:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.094	ug/L	U	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	55	%Rec		4/29/22	1
1718510	Terphenyl-d14	72	%Rec		4/29/22	1

Sample : 22174244

Information : blank

Matrix : Water

Collected : 4/19/2022 6:00:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.094	ug/L	U	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	66	%Rec		4/29/22	1
1718510	Terphenyl-d14	78	%Rec		4/29/22	1

Sample : 22174245

Information : blank

Matrix : Water

Collected : 4/20/2022 5:48:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.094	ug/L	U	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	71	%Rec		4/29/22	1
1718510	Terphenyl-d14	87	%Rec		4/29/22	1

Sample : 22174246

Information : blank

Matrix : Water

Collected : 4/21/2022 5:15:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.094	ug/L	U	4/29/22	1
83329	Acenaphthene	0.094	ug/L	U	4/29/22	1
208968	Acenaphthylene	0.094	ug/L	U	4/29/22	1
120127	Anthracene	0.094	ug/L	U	4/29/22	1
56553	Benzo(a)anthracene	0.094	ug/L	U	4/29/22	1
50328	Benzo(a)pyrene	0.094	ug/L	U	4/29/22	1
191242	Benzo(g,h,i)perylene	0.094	ug/L	U	4/29/22	1
205992	Benzo[b]Fluoranthene	0.094	ug/L	U	4/29/22	1
207089	Benzo[k]fluoranthene	0.094	ug/L	U	4/29/22	1
218019	Chrysene	0.094	ug/L	U	4/29/22	1
53703	Dibenzo[a,h]anthracene	0.094	ug/L	U	4/29/22	1
206440	Fluoranthene	0.094	ug/L	U	4/29/22	1
193395	Indeno(1,2,3-cd)pyrene	0.094	ug/L	U	4/29/22	1
91203	Naphthalene	0.094	ug/L	U	4/29/22	1
91576	Naphthalene, 2-methyl-	0.094	ug/L	U	4/29/22	1
85018	Phenanthrene	0.094	ug/L	U	4/29/22	1
129000	Pyrene	0.094	ug/L	U	4/29/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	70	%Rec		4/29/22	1
1718510	Terphenyl-d14	85	%Rec		4/29/22	1

Sample : 22174201 Matrix Spike

Information : MW-As

Matrix : Water

Collected : 4/18/2022 11:35:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	80	%Rec		4/28/22	1
83329	Acenaphthene	78	%Rec		4/28/22	1
208968	Acenaphthylene	84	%Rec		4/28/22	1
120127	Anthracene	84	%Rec		4/28/22	1
56553	Benzo(a)anthracene	59	%Rec		4/28/22	1
50328	Benzo(a)pyrene	45	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	34	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	58	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	41	%Rec		4/28/22	1
218019	Chrysene	51	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	31	%Rec		4/28/22	1
206440	Fluoranthene	82	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	34	%Rec		4/28/22	1
91203	Naphthalene	77	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	74	%Rec		4/28/22	1
85018	Phenanthrene	80	%Rec		4/28/22	1
129000	Pyrene	86	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	28	%Rec		4/28/22	1
1718510	Terphenyl-d14	49	%Rec		4/28/22	1

Sample : 22174221 Matrix Spike

Information : MW-37s

Matrix : Water

Collected : 4/19/2022 5:30:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene			NA	4/28/22	1
83329	Acenaphthene			NA	4/28/22	1
208968	Acenaphthylene	96	%Rec		4/28/22	1
120127	Anthracene	103	%Rec		4/28/22	1
56553	Benzo(a)anthracene	74	%Rec		4/28/22	1
50328	Benzo(a)pyrene	66	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	49	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	66	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	57	%Rec		4/28/22	1
218019	Chrysene	60	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	47	%Rec		4/28/22	1
206440	Fluoranthene	91	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	49	%Rec		4/28/22	1
91203	Naphthalene			NA	4/28/22	1
91576	Naphthalene, 2-methyl-			NA	4/28/22	1
85018	Phenanthrene			NA	4/28/22	1
129000	Pyrene	90	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	45	%Rec		4/28/22	1
1718510	Terphenyl-d14	60	%Rec		4/28/22	1

Sample : 22174223 Matrix Spike

Information : MW-39i

Matrix : Water

Collected : 4/19/2022 5:50:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	81	%Rec		4/28/22	1
83329	Acenaphthene	82	%Rec		4/28/22	1
208968	Acenaphthylene	93	%Rec		4/28/22	1
120127	Anthracene	90	%Rec		4/28/22	1
56553	Benzo(a)anthracene	82	%Rec		4/28/22	1
50328	Benzo(a)pyrene	69	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	55	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	74	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	59	%Rec		4/28/22	1
218019	Chrysene	70	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	51	%Rec		4/28/22	1
206440	Fluoranthene	91	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	54	%Rec		4/28/22	1
91203	Naphthalene	81	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	80	%Rec		4/28/22	1
85018	Phenanthrene	85	%Rec		4/28/22	1
129000	Pyrene	96	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	52	%Rec		4/28/22	1
1718510	Terphenyl-d14	70	%Rec		4/28/22	1

Sample : 22174201 Matrix Spike#2

Information : MW-As

Matrix : Water

Collected : 4/18/2022 11:35:00AM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	80	%Rec		4/28/22	1
83329	Acenaphthene	81	%Rec		4/28/22	1
208968	Acenaphthylene	87	%Rec		4/28/22	1
120127	Anthracene	85	%Rec		4/28/22	1
56553	Benzo(a)anthracene	63	%Rec		4/28/22	1
50328	Benzo(a)pyrene	51	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	41	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	62	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	45	%Rec		4/28/22	1
218019	Chrysene	57	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	38	%Rec		4/28/22	1
206440	Fluoranthene	83	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	40	%Rec		4/28/22	1
91203	Naphthalene	79	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	79	%Rec		4/28/22	1
85018	Phenanthrene	80	%Rec		4/28/22	1
129000	Pyrene	85	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	34	%Rec		4/28/22	1
1718510	Terphenyl-d14	55	%Rec		4/28/22	1

Sample : 22174221 Matrix Spike#2

Information : MW-37s

Matrix : Water

Collected : 4/19/2022 5:30:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene			NA	4/28/22	1
83329	Acenaphthene			NA	4/28/22	1
208968	Acenaphthylene	77	%Rec		4/28/22	1
120127	Anthracene	77	%Rec		4/28/22	1
56553	Benzo(a)anthracene	67	%Rec		4/28/22	1
50328	Benzo(a)pyrene	62	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	48	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	60	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	53	%Rec		4/28/22	1
218019	Chrysene	56	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	46	%Rec		4/28/22	1
206440	Fluoranthene	75	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	48	%Rec		4/28/22	1
91203	Naphthalene			NA	4/28/22	1
91576	Naphthalene, 2-methyl-			NA	4/28/22	1
85018	Phenanthrene			NA	4/28/22	1
129000	Pyrene	74	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	44	%Rec		4/28/22	1
1718510	Terphenyl-d14	56	%Rec		4/28/22	1

Sample : 22174223 Matrix Spike#2

Information : MW-39i

Matrix : Water

Collected : 4/19/2022 5:50:00PM

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	82	%Rec		4/28/22	1
83329	Acenaphthene	82	%Rec		4/28/22	1
208968	Acenaphthylene	94	%Rec		4/28/22	1
120127	Anthracene	89	%Rec		4/28/22	1
56553	Benzo(a)anthracene	87	%Rec		4/28/22	1
50328	Benzo(a)pyrene	77	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	63	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	79	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	66	%Rec		4/28/22	1
218019	Chrysene	77	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	59	%Rec		4/28/22	1
206440	Fluoranthene	92	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	62	%Rec		4/28/22	1
91203	Naphthalene	85	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	84	%Rec		4/28/22	1
85018	Phenanthrene	83	%Rec		4/28/22	1
129000	Pyrene	93	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	61	%Rec		4/28/22	1
1718510	Terphenyl-d14	74	%Rec		4/28/22	1

Sample : 105W042122B1 Blank

Information : Blank

Matrix : Liquid

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.10	ug/L	U	4/28/22	1
83329	Acenaphthene	0.10	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.10	ug/L	U	4/28/22	1
120127	Anthracene	0.10	ug/L	U	4/28/22	1
56553	Benzo(a)anthracene	0.10	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.10	ug/L	U	4/28/22	1
191242	Benzo(g,h,i)perylene	0.10	ug/L	U	4/28/22	1
205992	Benzo[b]Fluoranthene	0.10	ug/L	U	4/28/22	1
207089	Benzo[k]fluoranthene	0.10	ug/L	U	4/28/22	1
218019	Chrysene	0.10	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.10	ug/L	U	4/28/22	1
206440	Fluoranthene	0.10	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.10	ug/L	U	4/28/22	1
91203	Naphthalene	0.10	ug/L	U	4/28/22	1
91576	Naphthalene, 2-methyl-	0.10	ug/L	U	4/28/22	1
85018	Phenanthrene	0.10	ug/L	U	4/28/22	1
129000	Pyrene	0.10	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	77	%Rec		4/28/22	1
1718510	Terphenyl-d14	87	%Rec		4/28/22	1

Sample : 105W042522B1 Blank

Information : Blank

Matrix : Liquid

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.10	ug/L	U	4/28/22	1
83329	Acenaphthene	0.10	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.10	ug/L	U	4/28/22	1
120127	Anthracene	0.10	ug/L	U	4/28/22	1
56553	Benzo(a)anthracene	0.10	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.10	ug/L	U	4/28/22	1
191242	Benzo(g,h,i)perylene	0.10	ug/L	U	4/28/22	1
205992	Benzo[b]Fluoranthene	0.10	ug/L	U	4/28/22	1
207089	Benzo[k]fluoranthene	0.10	ug/L	U	4/28/22	1
218019	Chrysene	0.10	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.10	ug/L	U	4/28/22	1
206440	Fluoranthene	0.10	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.10	ug/L	U	4/28/22	1
91203	Naphthalene	0.10	ug/L	U	4/28/22	1
91576	Naphthalene, 2-methyl-	0.10	ug/L	U	4/28/22	1
85018	Phenanthrene	0.10	ug/L	U	4/28/22	1
129000	Pyrene	0.10	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	99	%Rec		4/28/22	1
1718510	Terphenyl-d14	96	%Rec		4/28/22	1

Sample : 105W042522B2 Blank

Information : Blank

Matrix : Liquid

Parameter : PAH

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8270E-SIM - Semivolatiles by GC/MS-SIM Mode

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
86737	9H-Fluorene	0.10	ug/L	U	4/28/22	1
83329	Acenaphthene	0.10	ug/L	U	4/28/22	1
208968	Acenaphthylene	0.10	ug/L	U	4/28/22	1
120127	Anthracene	0.10	ug/L	U	4/28/22	1
56553	Benzo(a)anthracene	0.10	ug/L	U	4/28/22	1
50328	Benzo(a)pyrene	0.10	ug/L	U	4/28/22	1
191242	Benzo(g,h,i)perylene	0.10	ug/L	U	4/28/22	1
205992	Benzo[b]Fluoranthene	0.10	ug/L	U	4/28/22	1
207089	Benzo[k]fluoranthene	0.10	ug/L	U	4/28/22	1
218019	Chrysene	0.10	ug/L	U	4/28/22	1
53703	Dibenzo[a,h]anthracene	0.10	ug/L	U	4/28/22	1
206440	Fluoranthene	0.10	ug/L	U	4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	0.10	ug/L	U	4/28/22	1
91203	Naphthalene	0.11	ug/L		4/28/22	1
91576	Naphthalene, 2-methyl-	0.10	ug/L	U	4/28/22	1
85018	Phenanthrene	0.10	ug/L	U	4/28/22	1
129000	Pyrene	0.10	ug/L	U	4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	87	%Rec		4/28/22	1
1718510	Terphenyl-d14	104	%Rec		4/28/22	1

Sample : 105W042122L1 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** PAH**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8270E-SIM - Semivolatiles by GC/MS-SIM Mode**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	81	%Rec		4/28/22	1
83329	Acenaphthene	80	%Rec		4/28/22	1
208968	Acenaphthylene	84	%Rec		4/28/22	1
120127	Anthracene	84	%Rec		4/28/22	1
56553	Benzo(a)anthracene	81	%Rec		4/28/22	1
50328	Benzo(a)pyrene	83	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	84	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	88	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	82	%Rec		4/28/22	1
218019	Chrysene	88	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	81	%Rec		4/28/22	1
206440	Fluoranthene	85	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	80	%Rec		4/28/22	1
91203	Naphthalene	81	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	83	%Rec		4/28/22	1
85018	Phenanthrene	83	%Rec		4/28/22	1
129000	Pyrene	88	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	79	%Rec		4/28/22	1
1718510	Terphenyl-d14	89	%Rec		4/28/22	1

Sample : 105W042522L1 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** PAH**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8270E-SIM - Semivolatiles by GC/MS-SIM Mode**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	72	%Rec		4/28/22	1
83329	Acenaphthene	69	%Rec		4/28/22	1
208968	Acenaphthylene	73	%Rec		4/28/22	1
120127	Anthracene	79	%Rec		4/28/22	1
56553	Benzo(a)anthracene	83	%Rec		4/28/22	1
50328	Benzo(a)pyrene	81	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	77	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	84	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	80	%Rec		4/28/22	1
218019	Chrysene	89	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	74	%Rec		4/28/22	1
206440	Fluoranthene	84	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	74	%Rec		4/28/22	1
91203	Naphthalene	68	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	68	%Rec		4/28/22	1
85018	Phenanthrene	78	%Rec		4/28/22	1
129000	Pyrene	87	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	72	%Rec		4/28/22	1
1718510	Terphenyl-d14	88	%Rec		4/28/22	1

Sample : 105W042522L3 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** PAH**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8270E-SIM - Semivolatiles by GC/MS-SIM Mode**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	82	%Rec		4/28/22	1
83329	Acenaphthene	85	%Rec		4/28/22	1
208968	Acenaphthylene	84	%Rec		4/28/22	1
120127	Anthracene	87	%Rec		4/28/22	1
56553	Benzo(a)anthracene	91	%Rec		4/28/22	1
50328	Benzo(a)pyrene	91	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	87	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	91	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	90	%Rec		4/28/22	1
218019	Chrysene	95	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	84	%Rec		4/28/22	1
206440	Fluoranthene	91	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	84	%Rec		4/28/22	1
91203	Naphthalene	95	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	87	%Rec		4/28/22	1
85018	Phenanthrene	86	%Rec		4/28/22	1
129000	Pyrene	94	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	87	%Rec		4/28/22	1
1718510	Terphenyl-d14	95	%Rec		4/28/22	1

Sample : 105W042122L2 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PAH**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8270E-SIM - Semivolatiles by GC/MS-SIM Mode**Weight Basis :** N/A

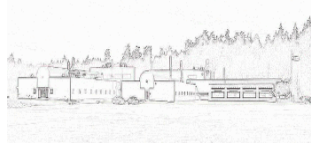
Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	79	%Rec		4/28/22	1
83329	Acenaphthene	81	%Rec		4/28/22	1
208968	Acenaphthylene	86	%Rec		4/28/22	1
120127	Anthracene	80	%Rec		4/28/22	1
56553	Benzo(a)anthracene	81	%Rec		4/28/22	1
50328	Benzo(a)pyrene	82	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	81	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	84	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	80	%Rec		4/28/22	1
218019	Chrysene	87	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	78	%Rec		4/28/22	1
206440	Fluoranthene	83	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	78	%Rec		4/28/22	1
91203	Naphthalene	80	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	83	%Rec		4/28/22	1
85018	Phenanthrene	81	%Rec		4/28/22	1
129000	Pyrene	86	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	77	%Rec		4/28/22	1
1718510	Terphenyl-d14	85	%Rec		4/28/22	1

Sample : 105W042522L2 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PAH**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8270E-SIM - Semivolatiles by GC/MS-SIM Mode**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	64	%Rec		4/28/22	1
83329	Acenaphthene	60	%Rec		4/28/22	1
208968	Acenaphthylene	60	%Rec		4/28/22	1
120127	Anthracene	73	%Rec		4/28/22	1
56553	Benzo(a)anthracene	77	%Rec		4/28/22	1
50328	Benzo(a)pyrene	77	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	78	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	79	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	77	%Rec		4/28/22	1
218019	Chrysene	82	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	76	%Rec		4/28/22	1
206440	Fluoranthene	79	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	74	%Rec		4/28/22	1
91203	Naphthalene	55	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	53	%Rec		4/28/22	1
85018	Phenanthrene	72	%Rec		4/28/22	1
129000	Pyrene	81	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	76	%Rec		4/28/22	1
1718510	Terphenyl-d14	82	%Rec		4/28/22	1

Sample : 105W042522L4 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PAH**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8270E-SIM - Semivolatiles by GC/MS-SIM Mode**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
86737	9H-Fluorene	84	%Rec		4/28/22	1
83329	Acenaphthene	85	%Rec		4/28/22	1
208968	Acenaphthylene	82	%Rec		4/28/22	1
120127	Anthracene	83	%Rec		4/28/22	1
56553	Benzo(a)anthracene	85	%Rec		4/28/22	1
50328	Benzo(a)pyrene	86	%Rec		4/28/22	1
191242	Benzo(g,h,i)perylene	83	%Rec		4/28/22	1
205992	Benzo[b]Fluoranthene	89	%Rec		4/28/22	1
207089	Benzo[k]fluoranthene	82	%Rec		4/28/22	1
218019	Chrysene	90	%Rec		4/28/22	1
53703	Dibenzo[a,h]anthracene	80	%Rec		4/28/22	1
206440	Fluoranthene	85	%Rec		4/28/22	1
193395	Indeno(1,2,3-cd)pyrene	80	%Rec		4/28/22	1
91203	Naphthalene	118	%Rec		4/28/22	1
91576	Naphthalene, 2-methyl-	80	%Rec		4/28/22	1
85018	Phenanthrene	82	%Rec		4/28/22	1
129000	Pyrene	90	%Rec		4/28/22	1
Surrogate Compounds:						
1499101	9,10 Diphenylanthracene	80	%Rec		4/28/22	1
1718510	Terphenyl-d14	90	%Rec		4/28/22	1



US EPA Region 10 Laboratory

Multi-Analyte Final Report



Project Code : SFP-179A

Site : McCORMICK & BAXTER: GW OU3

Contact : Annie Christopher

Account : 2022T10P000FD210P9LA00

Sample : 22174200

Information : MW-32i

Matrix : Water

Collected : 4/18/2022 11:26:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	111	%Rec		5/ 2/22	1

Sample : 22174201

Information : MW-As

Matrix : Water

Collected : 4/18/2022 11:35:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	110	%Rec		5/ 2/22	1

Sample : 22174202

Information : MW-32i

Matrix : Water

Collected : 4/18/2022 11:20:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	113	%Rec		5/ 2/22	1

Sample : 22174203

Information : PW-1d

Matrix : Water

Collected : 4/18/2022 3:30:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 2/22	1

Sample : 22174204

Information : MW-Os

Matrix : Water

Collected : 4/18/2022 2:00:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	113	%Rec		5/ 2/22	1

Sample : 22174205

Information : PW-2d

Matrix : Water

Collected : 4/18/2022 4:45:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	115	%Rec		5/ 2/22	1

Sample : 22174206

Information : MW-61s

Matrix : Water

Collected : 4/18/2022 4:27:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	111	%Rec		5/ 2/22	1

Sample : 22174207

Information : MW-7 WC

Matrix : Water

Collected : 4/19/2022 10:10:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	115	%Rec		5/ 2/22	1

Sample : 22174208

Information : MW-35r

Matrix : Water

Collected : 4/19/2022 1:25:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 2/22	1

Sample : 22174209

Information : MW-55s

Matrix : Water

Collected : 4/21/2022 4:46:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	116	%Rec		5/ 3/22	1

Sample : 22174210

Information : MW-53s

Matrix : Water

Collected : 4/21/2022 6:19:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	540	ug/L		5/ 3/22	1000
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	110	%Rec		5/ 3/22	1

Sample : 22174211

Information : MW-57s

Matrix : Water

Collected : 4/21/2022 5:00:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.083	ug/L		5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	107	%Rec		5/ 3/22	1

Sample : 22174212

Information : MW-49s

Matrix : Water

Collected : 4/20/2022 4:49:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	129	%Rec		5/ 3/22	1

Sample : 22174213

Information : MW-47s

Matrix : Water

Collected : 4/20/2022 3:20:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 3/22	1

Sample : 22174214

Information : MW-59s

Matrix : Water

Collected : 4/21/2022 6:35:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	110	%Rec		5/ 3/22	1

Sample : 22174215

Information : MW-58d

Matrix : Water

Collected : 4/19/2022 12:05:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 2/22	1

Sample : 22174216

Information : MW-58i

Matrix : Water

Collected : 4/19/2022 12:05:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	114	%Rec		5/ 2/22	1

Sample : 22174217

Information : MW-58s

Matrix : Water

Collected : 4/19/2022 1:15:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 2/22	1

Sample : 22174218

Information : MW-37d

Matrix : Water

Collected : 4/19/2022 4:30:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	104	%Rec		5/ 2/22	1

Sample : 22174219

Information : MW-37i

Matrix : Water

Collected : 4/19/2022 4:10:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	107	%Rec		5/ 2/22	1

Sample : 22174220

Information : MW-37i

Matrix : Water

Collected : 4/19/2022 4:20:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	106	%Rec		5/ 2/22	1

Sample : 22174221

Information : MW-37s

Matrix : Water

Collected : 4/19/2022 5:30:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.17	ug/L	J	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	105	%Rec		5/ 2/22	1

Sample : 22174222

Information : MW-39d

Matrix : Water

Collected : 4/20/2022 10:55:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 3/22	1

Sample : 22174223

Information : MW-39i

Matrix : Water

Collected : 4/19/2022 5:50:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	106	%Rec		5/ 2/22	1

Sample : 22174224

Information : MW-39s

Matrix : Water

Collected : 4/20/2022 9:53:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	117	%Rec		5/ 3/22	1

Sample : 22174228

Information : MW-43d

Matrix : Water

Collected : 4/20/2022 11:50:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	113	%Rec		5/ 3/22	1

Sample : 22174229

Information : MW-43i

Matrix : Water

Collected : 4/20/2022 11:40:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	107	%Rec		5/ 3/22	1

Sample : 22174230

Information : MW-43s

Matrix : Water

Collected : 4/20/2022 12:59:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	116	%Rec		5/ 3/22	1

Sample : 22174231

Information : MW-45d

Matrix : Water

Collected : 4/20/2022 3:40:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 2/22	1

Sample : 22174232

Information : MW-45i

Matrix : Water

Collected : 4/20/2022 1:10:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		5/ 3/22	1

Sample : 22174233

Information : MW-45s

Matrix : Water

Collected : 4/20/2022 5:10:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	110	%Rec		5/ 3/22	1

Sample : 22174234

Information : MW-1r

Matrix : Water

Collected : 4/19/2022 9:40:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
87865	Pentachlorophenol	0.075	ug/L	U	5/18/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	26	%Rec		5/ 2/22	1
118796	Phenol, 2,4,6-tribromo	73	%Rec		5/18/22	1

Sample : 22174237

Information : MW-20i

Matrix : Water

Collected : 4/21/2022 1:05:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.49	ug/L		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	92	%Rec		5/ 2/22	1

Sample : 22174238

Information : MW-Gs

Matrix : Water

Collected : 4/21/2022 2:15:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	8.8	ug/L		5/ 3/22	10
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	105	%Rec		5/ 3/22	1

Sample : 22174239

Information : MW-34i

Matrix : Water

Collected : 4/21/2022 10:55:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	125	%Rec		5/ 3/22	1

Sample : 22174240

Information : MW-39d

Matrix : Water

Collected : 4/20/2022 11:00:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	109	%Rec		5/ 3/22	1

Sample : 22174241

Information : EW-10s

Matrix : Water

Collected : 4/21/2022 11:35:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	1.4	ug/L		5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	89	%Rec		5/ 3/22	1

Sample : 22174242

Information : EW-19s

Matrix : Water

Collected : 4/21/2022 10:37:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.46	ug/L		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		5/ 2/22	1

Sample : 22174243

Information : blank

Matrix : Water

Collected : 4/18/2022 12:00:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	106	%Rec		5/ 2/22	1

Sample : 22174244

Information : blank

Matrix : Water

Collected : 4/19/2022 6:00:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	113	%Rec		5/ 2/22	1

Sample : 22174245

Information : blank

Matrix : Water

Collected : 4/20/2022 5:48:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	113	%Rec		5/ 3/22	1

Sample : 22174246

Information : blank

Matrix : Water

Collected : 4/21/2022 5:15:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	111	%Rec		5/ 3/22	1

Sample : 22174201 Matrix Spike

Information : MW-As

Matrix : Water

Collected : 4/18/2022 11:35:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	115	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	113	%Rec		5/ 2/22	1

Sample : 22174221 Matrix Spike

Information : MW-37s

Matrix : Water

Collected : 4/19/2022 5:30:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	126	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	103	%Rec		5/ 2/22	1

Sample : 22174223 Matrix Spike

Information : MW-39i

Matrix : Water

Collected : 4/19/2022 5:50:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	111	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	111	%Rec		5/ 2/22	1

Sample : 22174201 Matrix Spike#2**Information :** MW-As**Matrix :** Water**Collected :** 4/18/2022 11:35:00AM**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	117	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	116	%Rec		5/ 2/22	1

Sample : 22174221 Matrix Spike#2**Information :** MW-37s**Matrix :** Water**Collected :** 4/19/2022 5:30:00PM**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	158	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	102	%Rec		5/ 2/22	1

Sample : 22174223 Matrix Spike#2**Information :** MW-39i**Matrix :** Water**Collected :** 4/19/2022 5:50:00PM**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	110	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	110	%Rec		5/ 2/22	1

Sample : 105W042122B1 Blank

Information : Blank

Matrix : Liquid

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.080	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	107	%Rec		5/ 2/22	1

Sample : 105W042522B1 Blank

Information : Blank

Matrix : Liquid

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.080	ug/L	U	5/ 2/22	1
87865	Pentachlorophenol	0.080	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	103	%Rec		5/ 2/22	1
118796	Phenol, 2,4,6-tribromo	127	%Rec		5/ 2/22	1

Sample : 105W042522B2 Blank

Information : Blank

Matrix : Liquid

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.080	ug/L	U	5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	124	%Rec		5/ 2/22	1

Sample : 105W042122L1 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	108	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	108	%Rec		5/ 2/22	1

Sample : 105W042522L1 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	118	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	115	%Rec		5/ 2/22	1

Sample : 105W042522L3 Lab Control Std**Information :** Lab Control Standard**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	112	%Rec		5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	112	%Rec		5/ 3/22	1

Sample : 105W042122L2 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	115	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	111	%Rec		5/ 2/22	1

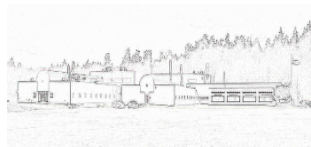
Sample : 105W042522L2 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	115	%Rec		5/ 2/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	114	%Rec		5/ 2/22	1

Sample : 105W042522L4 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	117	%Rec		5/ 3/22	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	113	%Rec		5/ 3/22	1

Appendix F 2023 Final Data Reports



US EPA Region 10 Laboratory

Multi-Analyte Final Report



Project Code : SFP-179B

Site : McCORMICK & BAXTER: GW OU3

Contact : Anne Christopher

Account : 2023T10P000FD210P9LA00

Sample : 23144200

Information : Blank

Matrix : Water

Collected : 4/3/2023 1:40:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144201

Information : MW-59s

Matrix : Water

Collected : 4/3/2023 2:50:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	48.6	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144202

Information : MW-58s

Matrix : Water

Collected : 4/5/2023 1:53:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	1.6	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	2.5	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144203

Information : MW-47s

Matrix : Water

Collected : 4/3/2023 5:30:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	21.2	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144204**Information :** MW-37s**Matrix :** Water**Collected :** 4/4/2023 10:20:00AM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	13.7	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144205**Information :** MW-38s**Matrix :** Water**Collected :** 4/5/2023 10:34:00AM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	18.2	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144206

Information : MW-36s

Matrix : Water

Collected : 4/4/2023 10:25:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	11.6	ug/L		4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144207

Information : MW-46s

Matrix : Water

Collected : 4/4/2023 2:15:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	11.8	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	1.7	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144208

Information : MW-46s

Matrix : Water

Collected : 4/4/2023 2:20:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	11.6	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	1.2	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144209

Information : MW-42d

Matrix : Water

Collected : 4/4/2023 11:45:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	54.8	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144210

Information : MW-36d

Matrix : Water

Collected : 4/4/2023 4:30:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	40.5	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	2.9	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144211

Information : MW-42i

Matrix : Water

Collected : 4/4/2023 11:50:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	61.0	ug/L		4/11/23	4
7440473	Chromium	3.1	ug/L		4/11/23	4
7440508	Copper	6.02	ug/L		4/11/23	4
7440666	Zinc	12	ug/L		4/11/23	4

Sample : 23144212

Information : MW-34i

Matrix : Water

Collected : 4/5/2023 12:55:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	40.3	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144213

Information : MW-43i

Matrix : Water

Collected : 4/4/2023 5:10:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	30.7	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.89	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144214

Information : MW-36i

Matrix : Water

Collected : 4/4/2023 3:57:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	40.2	ug/L		4/11/23	4
7440473	Chromium	1.8	ug/L		4/11/23	4
7440508	Copper	1.2	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144215

Information : MW-43d

Matrix : Water

Collected : 4/4/2023 5:20:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	33.5	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144216

Information : MW-62i

Matrix : Water

Collected : 4/5/2023 10:46:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	48.3	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.96	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144217

Information : EW-19s

Matrix : Water

Collected : 4/5/2023 12:15:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	32.4	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144218**Information :** EW-10s**Matrix :** Water**Collected :** 4/5/2023 12:20:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	17.5	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	1.1	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144220**Information :** Blank**Matrix :** Water**Collected :** 4/5/2023 2:30:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144201 Sample Duplicate**Information :** MW-59s**Matrix :** Water**Collected :** 4/3/2023 2:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	48.4	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144201 Matrix Spike**Information :** MW-59s**Matrix :** Water**Collected :** 4/3/2023 2:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	97	%Rec		4/11/23	4
7440473	Chromium	92	%Rec		4/11/23	4
7440508	Copper	92	%Rec		4/11/23	4
7440666	Zinc	96	%Rec		4/11/23	4

Sample : 23144201 Matrix Spike#2**Information :** MW-59s**Matrix :** Water**Collected :** 4/3/2023 2:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	98	%Rec		4/11/23	4
7440473	Chromium	95	%Rec		4/11/23	4
7440508	Copper	92	%Rec		4/11/23	4
7440666	Zinc	96	%Rec		4/11/23	4

Sample : IW041023ABL Blank**Information :** Blank**Matrix :** Liquid**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : IW041023AL1 Lab Control Std

Information : Lab Control Standard

Matrix : Liquid

Parameter : ICP/MS

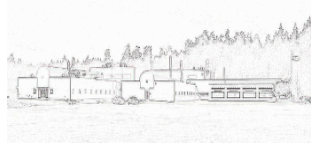
Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	100	%Rec		4/11/23	4
7440473	Chromium	93	%Rec		4/11/23	4
7440508	Copper	94	%Rec		4/11/23	4
7440666	Zinc	96	%Rec		4/11/23	4



US EPA Region 10 Laboratory

Multi-Analyte Final Report



Project Code : SFP-179B

Site : McCORMICK & BAXTER: GW OU3

Contact : Anne Christopher

Account : 2023T10P000FD210P9LA00

Sample : 23144200

Information : Blank

Matrix : Water

Collected : 4/3/2023 1:40:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144201

Information : MW-59s

Matrix : Water

Collected : 4/3/2023 2:50:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	48.6	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144202

Information : MW-58s

Matrix : Water

Collected : 4/5/2023 1:53:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	1.6	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	2.5	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144203

Information : MW-47s

Matrix : Water

Collected : 4/3/2023 5:30:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	21.2	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144204**Information :** MW-37s**Matrix :** Water**Collected :** 4/4/2023 10:20:00AM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	13.7	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144205**Information :** MW-38s**Matrix :** Water**Collected :** 4/5/2023 10:34:00AM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	18.2	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144206

Information : MW-36s

Matrix : Water

Collected : 4/4/2023 10:25:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	11.6	ug/L		4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144207

Information : MW-46s

Matrix : Water

Collected : 4/4/2023 2:15:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	11.8	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	1.7	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144208

Information : MW-46s

Matrix : Water

Collected : 4/4/2023 2:20:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	11.6	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	1.2	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144209

Information : MW-42d

Matrix : Water

Collected : 4/4/2023 11:45:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	54.8	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144210

Information : MW-36d

Matrix : Water

Collected : 4/4/2023 4:30:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	40.5	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	2.9	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144211

Information : MW-42i

Matrix : Water

Collected : 4/4/2023 11:50:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	61.0	ug/L		4/11/23	4
7440473	Chromium	3.1	ug/L		4/11/23	4
7440508	Copper	6.02	ug/L		4/11/23	4
7440666	Zinc	12	ug/L		4/11/23	4

Sample : 23144212

Information : MW-34i

Matrix : Water

Collected : 4/5/2023 12:55:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	40.3	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144213

Information : MW-43i

Matrix : Water

Collected : 4/4/2023 5:10:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	30.7	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.89	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144214

Information : MW-36i

Matrix : Water

Collected : 4/4/2023 3:57:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	40.2	ug/L		4/11/23	4
7440473	Chromium	1.8	ug/L		4/11/23	4
7440508	Copper	1.2	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144215

Information : MW-43d

Matrix : Water

Collected : 4/4/2023 5:20:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	33.5	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144216

Information : MW-62i

Matrix : Water

Collected : 4/5/2023 10:46:00AM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	48.3	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.96	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144217

Information : EW-19s

Matrix : Water

Collected : 4/5/2023 12:15:00PM

Parameter : ICP/MS

Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	32.4	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144218**Information :** EW-10s**Matrix :** Water**Collected :** 4/5/2023 12:20:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	17.5	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	1.1	ug/L		4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144220**Information :** Blank**Matrix :** Water**Collected :** 4/5/2023 2:30:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144201 Sample Duplicate**Information :** MW-59s**Matrix :** Water**Collected :** 4/3/2023 2:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	48.4	ug/L		4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : 23144201 Matrix Spike**Information :** MW-59s**Matrix :** Water**Collected :** 4/3/2023 2:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	97	%Rec		4/11/23	4
7440473	Chromium	92	%Rec		4/11/23	4
7440508	Copper	92	%Rec		4/11/23	4
7440666	Zinc	96	%Rec		4/11/23	4

Sample : 23144201 Matrix Spike#2**Information :** MW-59s**Matrix :** Water**Collected :** 4/3/2023 2:50:00PM**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	98	%Rec		4/11/23	4
7440473	Chromium	95	%Rec		4/11/23	4
7440508	Copper	92	%Rec		4/11/23	4
7440666	Zinc	96	%Rec		4/11/23	4

Sample : IW041023ABL Blank**Information :** Blank**Matrix :** Liquid**Parameter :** ICP/MS**Fraction :** Total**Prep Method:** 3010A - Acid Digestion, aqueous samples, SW-846**Analysis Method:** 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
7440382	Arsenic	0.80	ug/L	U	4/11/23	4
7440473	Chromium	1.6	ug/L	U	4/11/23	4
7440508	Copper	0.80	ug/L	U	4/11/23	4
7440666	Zinc	12	ug/L	U	4/11/23	4

Sample : IW041023AL1 Lab Control Std

Information : Lab Control Standard

Matrix : Liquid

Parameter : ICP/MS

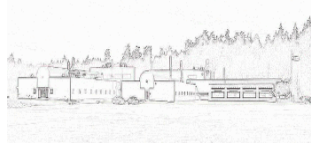
Fraction : Total

Prep Method: 3010A - Acid Digestion, aqueous samples, SW-846

Analysis Method: 6020B - Inductively Coupled Plasma-Mass Spectrometry, SW-846

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
7440382	Arsenic	100	%Rec		4/11/23	4
7440473	Chromium	93	%Rec		4/11/23	4
7440508	Copper	94	%Rec		4/11/23	4
7440666	Zinc	96	%Rec		4/11/23	4



US EPA Region 10 Laboratory

Multi-Analyte Final Report



Project Code : SFP-179B

Site : McCORMICK & BAXTER: GW OU3

Contact : Anne Christopher

Account : 2023T10P000FD210P9LA00

Sample : 23144200

Information : Blank

Matrix : Water

Collected : 4/3/2023 1:40:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.075	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		4/ 7/23	1

Sample : 23144201

Information : MW-59s

Matrix : Water

Collected : 4/3/2023 2:50:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	89	%Rec		4/ 7/23	1

Sample : 23144202

Information : MW-58s

Matrix : Water

Collected : 4/5/2023 1:53:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		4/ 7/23	1

Sample : 23144203

Information : MW-47s

Matrix : Water

Collected : 4/3/2023 5:30:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	90	%Rec		4/ 7/23	1

Sample : 23144204

Information : MW-37s

Matrix : Water

Collected : 4/4/2023 10:20:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.078	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	82	%Rec		4/ 7/23	1

Sample : 23144205

Information : MW-38s

Matrix : Water

Collected : 4/5/2023 10:34:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	93	%Rec		4/ 7/23	1

Sample : 23144206

Information : MW-36s

Matrix : Water

Collected : 4/4/2023 10:25:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.22	ug/L		4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		4/ 7/23	1

Sample : 23144207

Information : MW-46s

Matrix : Water

Collected : 4/4/2023 2:15:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		4/ 7/23	1

Sample : 23144208

Information : MW-46s

Matrix : Water

Collected : 4/4/2023 2:20:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	93	%Rec		4/ 7/23	1

Sample : 23144209

Information : MW-42d

Matrix : Water

Collected : 4/4/2023 11:45:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.077	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	87	%Rec		4/ 7/23	1

Sample : 23144210

Information : MW-36d

Matrix : Water

Collected : 4/4/2023 4:30:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	91	%Rec		4/ 7/23	1

Sample : 23144211

Information : MW-42i

Matrix : Water

Collected : 4/4/2023 11:50:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.11	ug/L		4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	74	%Rec		4/ 7/23	1

Sample : 23144212

Information : MW-34i

Matrix : Water

Collected : 4/5/2023 12:55:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	85	%Rec		4/ 7/23	1

Sample : 23144213

Information : MW-43i

Matrix : Water

Collected : 4/4/2023 5:10:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	83	%Rec		4/ 7/23	1

Sample : 23144214

Information : MW-36i

Matrix : Water

Collected : 4/4/2023 3:57:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	88	%Rec		4/ 7/23	1

Sample : 23144215

Information : MW-43d

Matrix : Water

Collected : 4/4/2023 5:20:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	96	%Rec		4/ 7/23	1

Sample : 23144216

Information : MW-62i

Matrix : Water

Collected : 4/5/2023 10:46:00AM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/10/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	86	%Rec		4/10/23	1

Sample : 23144217

Information : EW-19s

Matrix : Water

Collected : 4/5/2023 12:15:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.26	ug/L		4/10/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	78	%Rec		4/10/23	1

Sample : 23144218

Information : EW-10s

Matrix : Water

Collected : 4/5/2023 12:20:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	2.8	ug/L		4/10/23	5
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	85	%Rec		4/10/23	5

Sample : 23144220

Information : Blank

Matrix : Water

Collected : 4/5/2023 2:30:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.074	ug/L	U	4/10/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	87	%Rec		4/10/23	1

Sample : 23144201 Matrix Spike

Information : MW-59s

Matrix : Water

Collected : 4/3/2023 2:50:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	85	%Rec		4/10/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	94	%Rec		4/10/23	1

Sample : 23144201 Matrix Spike#2

Information : MW-59s

Matrix : Water

Collected : 4/3/2023 2:50:00PM

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	84	%Rec		4/10/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	92	%Rec		4/10/23	1

Sample : 103W040623B1 Blank

Information : Blank

Matrix : Liquid

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.080	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	97	%Rec		4/ 7/23	1

Sample : 103W040623B2 Blank

Information : Blank

Matrix : Liquid

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
87865	Pentachlorophenol	0.080	ug/L	U	4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	91	%Rec		4/ 7/23	1

Sample : 103W040623L1 Lab Control Std

Information : Lab Control Standard

Matrix : Liquid

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	91	%Rec		4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	94	%Rec		4/ 7/23	1

Sample : 103W040623L3 Lab Control Std

Information : Lab Control Standard

Matrix : Liquid

Parameter : PCP

Fraction : N/A

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: 8041A - Phenols by GC/ECD

Weight Basis : N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	90	%Rec		4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	95	%Rec		4/ 7/23	1

Sample : 103W040623L2 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	95	%Rec		4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	98	%Rec		4/ 7/23	1

Sample : 103W040623L4 Lab Control Std#2**Information :** Lab Control Standard Dup.**Matrix :** Liquid**Parameter :** PCP**Fraction :** N/A**Prep Method:** 3535A - Solid Phase Extraction**Analysis Method:** 8041A - Phenols by GC/ECD**Weight Basis :** N/A

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
87865	Pentachlorophenol	93	%Rec		4/ 7/23	1
Surrogate Compounds:						
118796	Phenol, 2,4,6-tribromo	99	%Rec		4/ 7/23	1