

November 18, 2022

AECOM Project
60612721

DRAFT DELIBERATIVE

Ms. Lynn Gosson
Michigan Department of Environment,
Great Lakes, and Energy
Remediation and Redevelopment Division
Bay City District Office
401 Ketchum Street
Bay City, Michigan 48708

**Oscoda Area PFAS Groundwater Monitoring
2022 Annual Groundwater Monitoring Report**

Dear Ms. Gosson,

On behalf of the Michigan Department of Environment, Great Lakes and Energy (EGLE), AECOM has continued groundwater sampling of select monitoring wells associated with Oscoda Area per- and polyfluoroalkyl substances (PFAS) investigation sites. The Oscoda Area project is a collection of individual PFAS study areas in and near Oscoda, Michigan which are outside of the boundaries of the Former Wurtsmith Air Force Base (WAFB).

This report includes analytical data and information collected from sampling events completed in January and July 2022 in an effort to monitor concentrations of PFAS in portions of the Oscoda Area (site). During this reporting period, data was collected from individual study areas commonly known as Colbath Road Area, Cedar Lake Area, Loud Drive Area, River Road/Oscoda Schools Area, and Au Sable Township Area. The locations of Oscoda Area monitoring wells are presented in **Figure 1**. The general locations of the individual study areas are shown on **Figure 2**.

1. Field Activities

1.1 Static Groundwater Measurements

Prior to each sampling event, static water levels were measured from monitoring wells throughout the Oscoda Area to determine groundwater elevations and directions of groundwater flow. **Table 1** presents measured static water levels and calculated groundwater elevations at monitoring well locations for each sampling event.

1.2 Groundwater Sampling

During this reporting period, groundwater samples were collected from 23 monitoring wells as directed by EGLE. The monitoring wells were sampled using EGLE-approved, low-flow groundwater sampling techniques in accordance with EGLE PFAS sampling guidance documents. Water quality parameters (i.e., pH, temperature, specific conductance, oxidation reduction potential [ORP], turbidity and dissolved oxygen [DO]) were monitored and recorded approximately every five minutes during purging. Samples were collected after water quality parameters stabilized (i.e., three consecutive recordings) as follows: Depth to water drawdown <0.33 feet, pH +/- 0.1 standard units, Conductivity +/- 3%, Turbidity +/- 10%, Dissolved Oxygen +/- 10%, Temperature +/- 5%, and ORP +/- 10mV.

One duplicate sample was collected for every 20 groundwater samples collected. Additionally, field and equipment blanks (if non-disposable equipment were used) were collected at a rate of one per every 20 samples collected. Samples were placed in laboratory provided sample containers, labeled, transferred to an ice-chilled cooler, and submitted under chain-of-custody directly to Vista Analytical Laboratories (Vista) for analysis of 28 PFAS compounds using Modified Method 537 with isotope dilution. Laboratory analytical reports are provided in **Appendix A**.

All non-dedicated equipment which came into contact with groundwater was decontaminated with a mixture of Liquinox® and deionized water. Field personnel performing the collection procedures donned a new pair of nitrile gloves prior to handling sampling equipment, between sampling and decontamination procedures at each sample location, and between sampling locations.

1.3 Investigation Derived Waste

Investigation derived waste (IDW) generated during the sampling events included purged groundwater and decontamination water. All IDW was containerized in 55-gallon drums and stored in a locked storage yard maintained by the Oscoda Township Department of Public Works. Generated drums were transported by Northern A-1 Environmental Services of Kalkaska, Michigan to a licensed disposal facility following each sampling event.

2. Results and Discussion

2.1 Groundwater Elevation and Flow Direction

Static water level measurements were collected at select monitoring wells during the sampling events to evaluate groundwater flow directions in the individual study areas at the site. Groundwater surface potentiometric surface maps were not prepared due to the limited amount of groundwater elevation data points available in the study areas. The number of groundwater elevation data points available is dependent on the number of wells selected for gauging and also on top of casing elevation data being available for those wells. Despite these factors precluding the generation of groundwater potentiometric surface maps, an evaluation of groundwater elevations relative regional data generally supports groundwater flow directions which are consistent with previous investigations and studies (e.g., AECOM Groundwater Flow Direction Evaluation East Side of Van Etten Lake Technical Memorandum, 2020). Groundwater in the vicinity of the River Road/Oscoda Schools Area flows north toward the Au Sable River. In the Colbath Road Area groundwater flows northeast toward Van Etten Lake. Groundwater flow in the Loud Drive Area also flows toward Van Etten Lake on the west side of a groundwater flow divide that extends south from Cedar Lake, and to Lake Huron on the east side of the divide.

Static water level measurements and groundwater elevation calculations are presented in **Table 1**. Figures showing monitoring well locations with calculated groundwater elevations are presented in **Appendix B**.

2.2 Groundwater Sampling Results

PFAS compounds analyzed as a part of this investigation, their abbreviated names, and CAS numbers are provided in **Table 2**. Time series groundwater analytical results for all eleven sampling events completed to date are compared to Part 201 clean up criteria as presented in **Table 3**. Groundwater analytical results are presented on the figures provided in **Appendix C**.

Concentrations detected in the following monitoring wells exceeded one or more Part 201 criteria during one or more sampling events: DEQ-CR-MW002, DEQ-CR-MW006, DEQ-LD-MW003, DEQ-RR-MW004, DEQ-RR-MW005, DEQ-RR-MW007, DEQ-RR-MW008, RI-MW001 (3–8 feet), RI-MW003 (2-7 feet), RI-MW026 (32–33 feet), RI-MW026 (45–46 feet), RI-MW032 (18–23 feet), RI-MW032 (29–30 feet), RI-MW033 (13–18 feet), and RI-MW035 (30–31 feet).

Analytical results from groundwater sampling events were evaluated for trends over time. Analytical data sets for samples collected from monitoring wells DEQ-CR-MW006, DEQ-LD-MW003, RI-MW003 (2-7 feet), RI-MW007 (39-40 feet), RI-MW026 (32-33 feet), RI-MW032 (18-23 feet), and RI-MW033 (13-18 feet) showed relatively consistent PFAS concentrations over the eleven sampling events.

Analytical data sets for samples collected from monitoring wells DEQ-RR-MW004 (17-22 feet), DEQ-RR-MW005 (13-18 feet), DEQ-RR-MW008, RI-MW032 (29-30 feet), and RI-MW035 (30-31 feet) showed seasonal fluctuations in concentrations over time. Total PFAS concentrations in samples collected from DEQ-RR-MW005 had the largest seasonal fluctuations between winter and summer of approximately one order of magnitude. From January 2020 to July 2020, the total PFAS sample concentration increased from 201.84 parts per trillion (ppt) to 1,989.39 ppt. In January

2021, the concentration decreased to 279.62 ppt, then increased to 2,585.82 ppt in July 2021. From January to July 2022, the concentration increased from 479.46 ppt to 1,393.34 ppt. Seasonal fluctuations in total PFAS concentrations appear to be persistent over time and are currently not fully understood.

PFAS concentrations in samples collected from DEQ-CR-MW002 and RI-MW035 (30–31 feet) generally showed variable concentrations over the eleven sampling events. DEQ-CR-MW002 increased from 15.02 ppt of total PFAS in October 2019 to 103.71 ppt total PFAS in October 2021 but decreased to 76.73 ppt total PFAS in July 2022. RI-MW035 (30-31 feet) increased from 7.54 ppt of total PFAS in April 2021 to 202.39 ppt total PFAS in January 2022 but decreased to 50.81 ppt total PFAS in July 2022.

The total PFAS concentration in the sample collected at RI-MW026 (32-33 feet) was 26.03 ppt in January 2021 but has not been detected in the subsequent events. RI-MW001 (3-8 feet) was only sampled four times, so a long-term trend of total PFAS concentrations could not be determined.

3. References

AECOM. 2020. Groundwater Flow Direction Evaluation East Side of Van Etten Lake Technical Memorandum.

AECOM. 2020. Oscoda Area PFAS Surface Water Sampling Data Summary Report.

AECOM appreciates the continued opportunity to work with EGLE on this project. AECOM would be glad to provide additional information or offer additional assistance through its project manager for the site, Mike Cox. You may contact Mr. Cox at 616-574-8391 or at mike.cox@aecom.com.

Yours sincerely,



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enclosures: Figures
Tables
Appendix A – Laboratory Analytical Reports
Appendix B – Groundwater Elevation Figures
Appendix C – Groundwater Analytical Figures

Figures

Legend

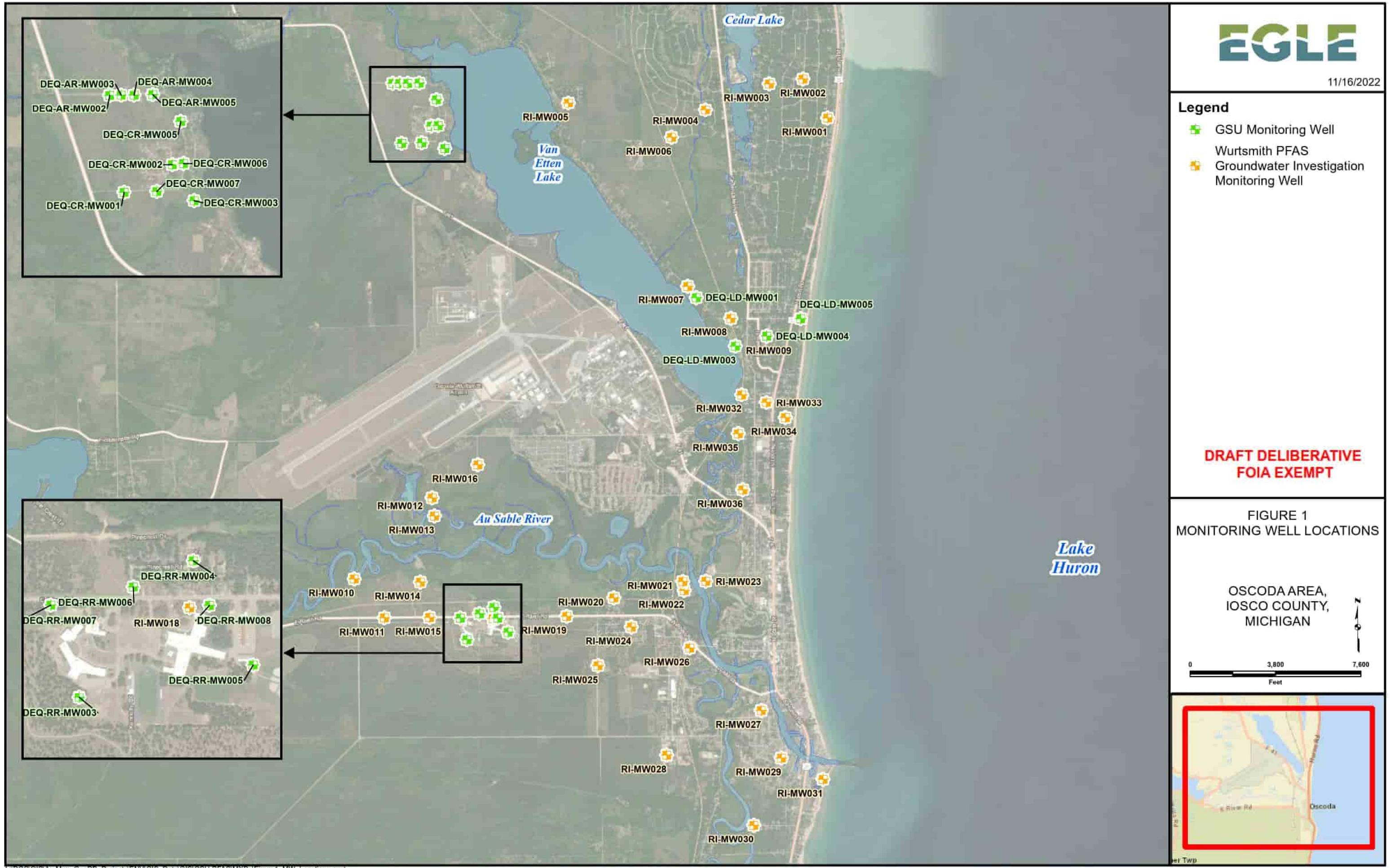
- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

**DRAFT DELIBERATIVE
FOIA EXEMPT**

**FIGURE 1
MONITORING WELL LOCATIONS**

OSCODA AREA,
IOSCO COUNTY,
MICHIGAN

0 3,800 7,600
Feet



Legend

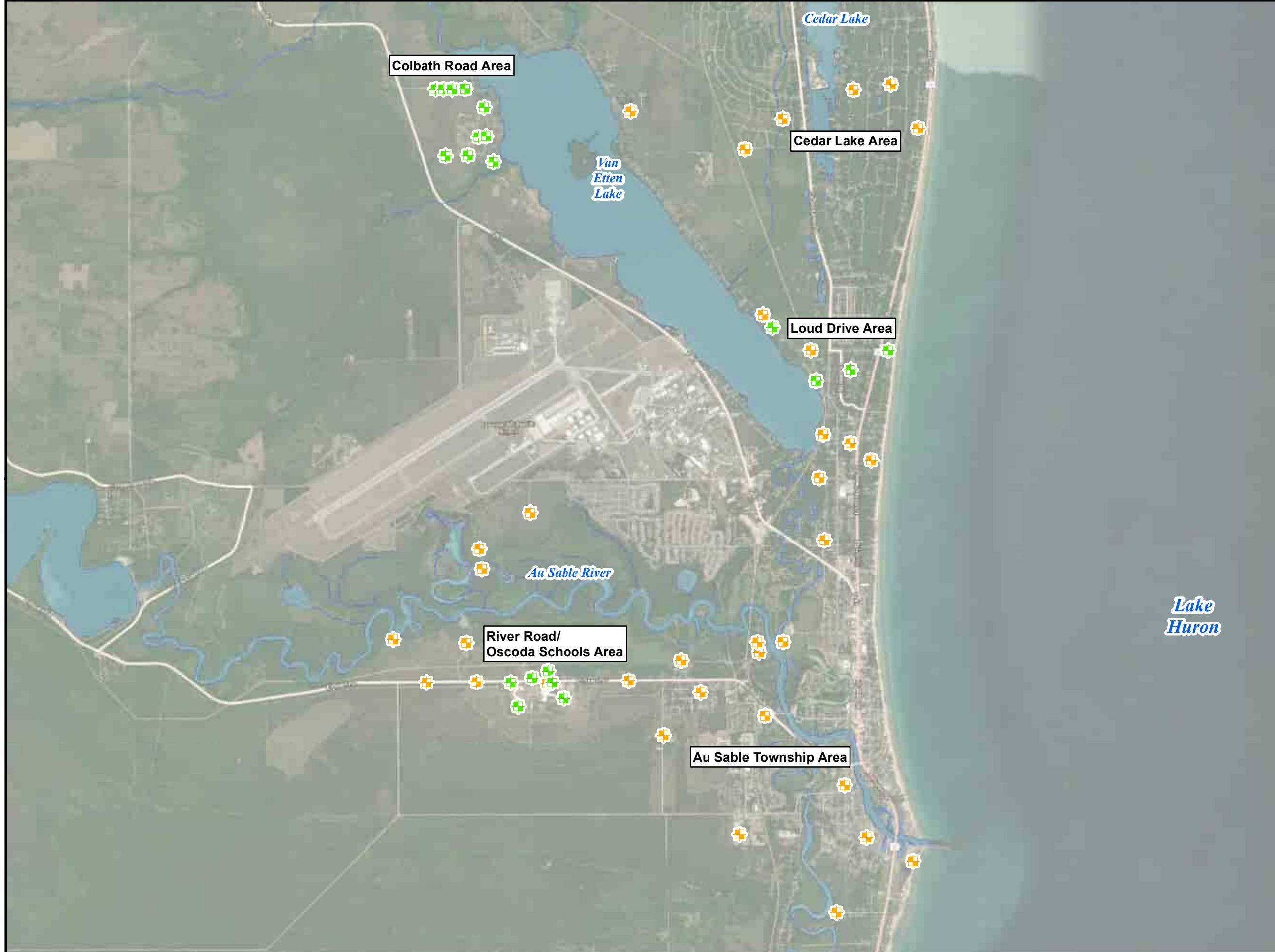
- GSU Monitoring Well
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DRAFT DELIBERATIVE FOIA EXEMPT

FIGURE 2
INDIVIDUAL STUDY AREAS

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 3,800 7,600
Feet



Tables

Table 1
Oscoda Area Monitoring Well Groundwater Elevations
Annual Report 2022
Iosco County, Michigan

Well ID	Screened Interval (ft bgs)	Surface Elevation	TOC ft (AMSL)	Oct-19 DTW	Oct-19 GW Elev	Jan-20 DTW	Jan-20 GW Elev	Apr-20 DTW	Apr-20 GW Elev	Jul-20 DTW	Jul-20 GW Elev	Oct-20 DTW	Oct-20 GW Elev	Jan-21 DTW	Jan-21 GW Elev	Apr-21 DTW	Apr-21 GW Elev	Jul-21 DTW	Jul-21 GW Elev	Oct-21 DTW	Oct-21 GW Elev	Jan-22 DTW	Jan-22 GW Elev	Jul-22 DTW	Jul-22 GW Elev
RI-MW001 (3-8 ft)	3-8	589.04	588.71	4.05	584.66	4.39	584.32	3.17	585.54	4.01	584.70	4.01	584.70	3.58	585.13	3.72	584.99	3.93	584.78	4.38	584.33	4.36	584.35	4.27	584.44
RI-MW001 (17-18 ft)	17-18		588.69	4.01	584.68	2.89	585.80	3.15	585.54	4.00	584.69	3.98	584.71	3.54	585.15	3.68	585.01	3.89	584.80	4.36	584.33	4.35	584.34	4.23	584.46
RI-MW002 (2-7 ft)	2-7	593.03	592.80	3.02	589.78	1.68	591.12	NM	NA	3.13	589.67	2.78	590.02	2.35	590.45	2.16	590.64	2.58	590.22	2.71	590.09	4.08	588.72	3.30	589.50
RI-MW002 (12-13 ft)	12-13		592.74	2.98	589.76	1.63	591.11	NM	NA	3.10	589.64	2.75	589.99	NM	NA										
RI-MW002 (17-18 ft)	17-18		592.83	3.02	589.81	1.75	591.08	NM	NA	3.21	589.62	2.87	589.96	2.44	590.39	2.23	590.60	2.68	590.15	2.78	590.05	3.16	589.67	3.38	589.45
RI-MW003 (2-7 ft)	2-7	603.27	602.90	1.68	601.22	0.88	602.02	0.80	602.10	1.80	601.10	1.85	601.05	1.33	601.57	1.16	601.74	1.51	601.39	1.69	601.21	1.87	601.03	1.51	601.39
RI-MW003 (16-17 ft)	16-17		602.92	NM	NA	0.88	602.04	0.77	602.15	1.94	600.98	1.95	600.97	NM	NA										
RI-MW003 (26-27 ft)	26-27		602.97	NM	NA	0.91	602.06	0.81	602.16	1.99	600.98	2.00	600.97	NM	NA										
RI-MW003 (36-37 ft)	36-37		603.01	NM	NA	0.92	602.09	0.83	602.18	2.01	601.00	2.03	600.98	NM	NA										
RI-MW003 (46-47 ft)	46-47		602.96	1.80	601.16	0.86	602.10	0.79	602.17	1.97	600.99	1.95	601.01	1.47	601.49	1.27	601.69	1.63	601.33	1.81	601.15	1.98	600.98	1.64	601.32
RI-MW004 (5-10 ft)	5-10	607.51	606.85	2.79	604.06	2.25	604.60	NM	NA	2.90	603.95	NM	NA	2.53	604.32	4.21	602.64	2.57	604.28	2.35	604.50	2.59	604.26	2.88	603.97
RI-MW004 (19-20 ft)	19-20		606.80	NM	NA	2.22	604.58	NM	NA	2.76	604.04	NM	NA												
RI-MW004 (29-30 ft)	29-30		606.81	NM	NA	2.13	604.68	NM	NA	2.77	604.04	NM	NA												
RI-MW004 (39-40 ft)	39-40		606.86	NM	NA	2.15	604.71	NM	NA	2.81	604.05	NM	NA												
RI-MW004 (49-50 ft)	49-50		606.86	NM	NA	2.16	604.70	NM	NA	2.81	604.05	NM	NA												
RI-MW004 (59-60 ft)	59-60		606.83	2.70	604.13	2.08	604.75	NM	NA	2.77	604.06	NM	NA	2.37	604.46	2.47	604.36	2.47	604.36	2.29	604.54	2.48	604.35	2.74	604.09
RI-MW005 (7-12 ft)	7-12	602.17	601.71	7.94	593.77	NM	NA	9.76	591.95	NM	NA	NM	NA	NM	NA	9.61	592.10	8.73	592.98	8.70	593.01	9.97	591.74	8.44	593.27
RI-MW005 (20-21 ft)	20-21		601.75	NM	NA	NM	NA	Dry	NA	NM	NA														
RI-MW005 (30-31 ft)	30-31		601.71	NM	NA	NM	NA	4.77	596.94	NM	NA														
RI-MW005 (40-41 ft)	40-41		601.86	NM	NA	NM	NA	4.85	597.01	NM	NA														
RI-MW005 (51-52 ft)	51-52		601.85	NM	NA	NM	NA	4.86	596.99	NM	NA														
RI-MW005 (60-61 ft)	60-61		601.84	8.10	593.74	NM	NA	4.67	597.17	NM	NA	NM	NA	NM	NA	9.74	592.10	8.85	592.99	8.83	593.01	10	591.84	8.58	593.26
RI-MW006 (5-10 ft)	5-10	608.04	607.72	5.20	602.52	3.31	604.41	3.23	604.49	4.10	603.62	NM	NA	4.85	602.87	4.82	602.90	5.35	602.37	5.74	601.98	5.63	602.09	4.88	602.84
RI-MW006 (20-21 ft)	20-21		607.73	NM	NA	3.28	604.45	NM	NA	4.14	603.59	NM	NA												
RI-MW006 (30-31 ft)	30-31		607.80	NM	NA	3.35	604.45	NM	NA	4.19	603.61	NM	NA												
RI-MW006 (40-41 ft)	40-41		607.65	NM	NA	3.22	604.43	NM	NA	4.05	603.60	NM	NA												
RI-MW006 (50-51 ft)	50-51		607.70	5.20	602.50	3.25	604.45	3.23	604.47	4.09	603.61	NM	NA	4.86	602.84	4.84	602.86	5.32	602.38	5.72	601.98	5.61	602.09	4.90	602.80
RI-MW007 (5-10 ft)	5-10	598.07	597.66	7.82	589.84	9.2	588.46	9.25	588.41	NM	NA	7.90	589.76	Dry	NA	Dry	NA	7.88	589.78	8.01	589.65	Dry	NA	7.81	589.85
RI-MW007 (19-20 ft)	19-20		597.70	NM	NA	9.28	588.42	9.18	588.52	NM	NA	7.92	589.78	10.10	587.60	9.73	587.97	NM	NA	NM	NA	10.18	587.52	NM	NA
RI-MW007 (29-30 ft)	29-30		597.70	NM	NA	9.32	588.38	NM	NA	7.69	590.01	8.00	589.70	NM	NA										
RI-MW																									

Table 1
Oscoda Area Monitoring Well Groundwater Elevations
Annual Report 2022
Iosco County, Michigan

Well ID	Screened Interval (ft bgs)	Surface Elevation	TOC ft (AMSL)	Oct-19 DTW	Oct-19 GW Elev	Jan-20 DTW	Jan-20 GW Elev	Apr-20 DTW	Apr-20 GW Elev	Jul-20 DTW	Jul-20 GW Elev	Oct-20 DTW	Oct-20 GW Elev	Jan-21 DTW	Jan-21 GW Elev	Apr-21 DTW	Apr-21 GW Elev	Jul-21 DTW	Jul-21 GW Elev	Oct-21 DTW	Oct-21 GW Elev	Jan-22 DTW	Jan-22 GW Elev	Jul-22 DTW	Jul-22 GW Elev		
RI-MW014 (13-18 ft)	13-18	606.62	606.44	7.65	598.79	NM	NA	7.04	599.40	NM	NA	7.86	598.58	13.14	593.30	8.37	598.07	8.60	597.84	8.44	598.00	8.85	597.59	14.05	592.39		
RI-MW014 (25-26 ft)	25-26		606.41	NM	NA	NM	NA	7.02	599.39	NM	NA	7.85	598.56	NM	NA	8.34	598.07	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW014 (33-34 ft)	33-34		606.43	NM	NA	NM	NA	6.98	599.45	NM	NA	7.80	598.63	NM	NA	8.30	598.13	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW014 (42-43 ft)	42-43		606.49	7.62	598.87	NM	NA	7.03	599.46	NM	NA	7.78	598.71	8.34	598.15	8.37	598.12	8.60	597.89	8.45	598.04	8.61	597.88	8.01	598.48		
RI-MW015 (5-10 ft)	5-10	622.19	NA	9.87	NA	Dry	NA	Dry	NA	9.86	NA	9.86	NA	9.88	NA	Dry	NA	8.99	NA	9.89	NA	NM	NA	Dry	NA		
RI-MW015 (17-18 ft)	17-18		621.92	16.18	605.74	15.58	606.34	15.2	606.72	NM	NA	16.51	605.41	NM	NA	17.33	604.59	NM	NA	NM	NA	Not found	NA	16.7	605.22		
RI-MW015 (27-28 ft)	27-28		NA	NM	NA	15.62	NA	15.26	NA	NM	NA	16.58	NA	NM	NA	17.39	NA	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW015 (37-38 ft)	37-38		NA	NM	NA	15.48	NA	15.22	NA	NM	NA	16.53	NA	NM	NA	17.36	NA	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW015 (47-48 ft)	47-48	629.71	NA	16.21	NA	15.51	NA	15.24	NA	14.49	NA	16.57	NA	17.13	NA	17.36	NA	17.80	NA	17.75	NA	NM	NA	20.08	NA		
RI-MW016 (18-23 ft)	18-23		629.75	Dry	NA	NM	NA	Dry	NA	Dry	NA	NM	NA	Dry	NA	NM	NA										
RI-MW016 (30-31 ft)	30-31		629.75	28.69	601.06	NM	NA	Dry	NA	Dry	NA	NM	NA	28.82	600.93	28.52	601.23										
RI-MW016 (45-46 ft)	45-46		629.80	28.64	601.16	NM	NA	29.05	600.75	29.14	600.66	NM	NA	28.55	601.25	NM	NA										
RI-MW016 (60-61 ft)	60-61	629.98	629.80	NM	NA	29.08	600.72	NM	NA	NM	NA	NM	NA	NM	NA												
RI-MW016 (75-76 ft)	75-76		629.78	NM	NA	29.03	600.75	NM	NA	NM	NA	NM	NA	NM	NA												
RI-MW016 (90-91 ft)	90-91		629.77	28.60	601.17	NM	NA	29.04	600.73	29.15	600.62	NM	NA	28.98	600.79	28.57	601.20										
RI-MW018 (8-13 ft)	8-13	616.31	616.07	12.28	603.79	11.46	604.61	11.42	604.65	NM	NA	12.53	603.54	NM	NA	Dry	NA	12.80	NA	12.77	603.30	Dry	NA	Dry	NA		
RI-MW018 (17-18 ft)	17-18		616.09	NM	NA	11.61	604.48	11.46	604.63	NM	NA	12.55	603.54	NM	NA	12.71	603.38	13.28	602.81	NM	NA	13.48	602.61	12.74	603.35		
RI-MW018 (27-28 ft)	27-28		616.07	NM	NA	11.45	604.62	11.38	604.69	NM	NA	12.52	603.55	NM	NA	12.69	603.38	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW018 (37-38 ft)	37-38		616.09	NM	NA	11.52	604.57	11.34	604.75	NM	NA	12.48	603.61	NM	NA	12.68	603.41	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW018 (47-48 ft)	47-48	610.56	616.01	12.20	603.81	11.55	604.46	11.33	604.68	NM	NA	12.44	603.57	NM	NA	12.65	603.36	13.30	602.71	13.11	602.90	13.39	602.62	12.66	603.35		
RI-MW019 (5-10 ft)	5-10		610.35	Dry	NA	8.74	601.61	Dry	NA	Dry	NA	Dry	NA	NM	NA	Dry	NA	8.75	601.60	8.75	601.60	NM	NA	Dry	NA		
RI-MW019 (19-20 ft)	19-20		610.36	11.11	599.25	NM	NA	10.15	600.21	10.33	600.03	11.25	599.11	NM	NA	10.98	599.38	NM	NA	NM	NA	NM	NA	11.46	598.90	NM	
RI-MW019 (29-30 ft)	29-30		610.35	NM	NA	NM	NA	10.15	600.20	NM	NA	11.24	599.11	NM	NA	11.00	599.35	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW019 (39-40 ft)	39-40	596.48	610.33	NM	NA	NM	NA	10.12	600.21	NM	NA	11.20	599.13	NM	NA	10.98	599.35	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW019 (49-50 ft)	49-50		610.33	11.09	599.24	NM	NA	10.12	600.21	10.33	600.00	11.21	599.12	NM	NA	10.97	599.36	11.80	598.53	11.73	598.60	NM	NA	11.44	598.89	NM	
RI-MW020 (5-10 ft)	5-10		596.06	5.01	591.05	NM	NA	4.7	591.36	NM	NA	NM	NA	5.11	590.95	5.06	591.00	5.19	590.87	5.23	590.83	5.41	590.65	5.29	590.77		
RI-MW020 (18-19 ft)	18-19		596.08	NM	NA	NM	NA	4.62	591.46	NM	NA	NM	NA	NM	NA	5.05	591.03	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW020 (28-29 ft)	28-29	587.76	596.15	NM	NA	NM	NA	4.63	591.52	NM	NA	NM	NA	NM	NA	5.00	591.15	NM	NA	NM	NA	NM	NA	NM	NA		
RI-MW020 (38-39 ft)	38-39		596.13	4.97	591.16	NM	NA	5.05	591.08	5.03	591.10	5.12	591.01	5.19	590.94	5.40	590.73	5.26	590.87								
RI-MW021 (3-8 ft)	3-8		587.45	4.47	582.98	NM	NA	NM	NA	NM	NA	4.81	582.64	NM	NA	3.95	583.50	4.98	582.47	4.96	582.49	5.02	582.43	4.71	582.74		
RI-MW021 (12.5-13.5 ft)	12.5-13.5		587.53	4.49	583.04	NM	NA	NM	NA	NM	NA	4.84	582.69	NM													

Table 1
Oscoda Area Monitoring Well Groundwater Elevations
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Iosco County, Michigan

Well ID	Screened Interval (ft bgs)	Surface Elevation	TOC ft (AMSL)	Oct-19 DTW	Oct-19 GW Elev	Jan-20 DTW	Jan-20 GW Elev	Apr-20 DTW	Apr-20 GW Elev	Jul-20 DTW	Jul-20 GW Elev	Oct-20 DTW	Oct-20 GW Elev	Jan-21 DTW	Jan-21 GW Elev	Apr-21 DTW	Apr-21 GW Elev	Jul-21 DTW	Jul-21 GW Elev	Oct-21 DTW	Oct-21 GW Elev	Jan-22 DTW	Jan-22 GW Elev	Jul-22 DTW	Jul-22 GW Elev	
RI-MW028 (5-10 ft)	5-10	605.44	605.19	8.54	596.65	NM	NA	NM	NA	6.79	598.40	8.95	596.24	8.95	596.24	8.75	596.44	Dry	NA	9.38	595.81	9.33	595.86	8.48	596.71	
RI-MW028 (20-21 ft)	20-21		605.10	NM	NA	NM	NA	NM	NA	8.88	596.22	NM	NA	NM	NA	NM	NA	9.30	595.80	NM	NA	NM	NA	NM	NA	
RI-MW028 (31-32 ft)	31-32		605.23	NM	NA	NM	NA	NM	NA	NM	NA															
RI-MW028-4	NA		605.20	NM	NA	NM	NA	NM	NA	NM	NA															
RI-MW028 (48-49 ft)	48-49		605.18	8.58	596.60	NM	NA	NM	NA	6.77	598.41	NM	NA	8.96	596.22	8.74	596.44	9.39	595.79	9.37	595.81	9.31	595.87	8.50	596.68	
RI-MW029 (2.5-7.5 ft)	2.5-7.5	585.05	584.72	1.64	583.08	1.01	583.71	1.17	583.55	1.27	583.45	1.95	582.77	1.99	582.73	2.2	582.52	2.11	582.61	2.21	582.51	3.00	581.72	2.70	582.02	
RI-MW029 (12.5-13.5 ft)	12.5 - 13.5		584.78	NM	NA	1.08	583.70	1.23	583.55	1.33	583.45	1.99	582.79	2.06	582.72	2.26	582.52	NM	NA	NM	NA	NM	NA	NM	NA	NA
RI-MW029 (24-25 ft)	24-25		584.80	NM	NA	1.04	583.76	1.20	583.60	1.29	583.51	1.98	582.82	2.01	582.79	2.26	582.54	NM	NA	NM	NA	NM	NA	NM	NA	NA
RI-MW029 (31-32 ft)	31-32		584.79	1.70	583.09	1.09	583.70	1.23	583.56	1.32	583.47	2.00	582.79	NM	NA	2.27	582.52	2.13	582.66	2.32	582.47	3.08	581.71	2.81	581.98	
RI-MW030 (7-12 ft)	7-12	595.22	594.98	9.27	585.71	8.75	586.23	8.84	586.14	NM	NA	NM	NA	NM	NA	9.15	585.83	9.32	585.66	9.12	585.86	9.55	585.43	9.45	585.53	
RI-MW030 (24.5-25.5 ft)	24.5-25.5		594.92	NM	NA	8.71	586.21	8.86	586.06	NM	NA	NM	NA	NM	NA	NM	NA	NM	NM	NA	NM	NA	NM	NA	NM	NA
RI-MW030 (36.5-37.5 ft)	36.5-37.5		594.92	NM	NA	8.70	586.22	8.77	586.15	NM	NA	NM	NA	NM	NA	NM	NA	NM	NM	NA	NM	NA	NM	NA	NM	NA
RI-MW030 (45-46 ft)	45-46		594.94	9.21	585.73	8.73	586.21	8.78	586.16	NM	NA	NM	NA	NM	NA	9.12	585.82	9.30	585.64	9.11	585.83	9.51	585.43	9.50	585.44	
RI-MW031 (2-7 ft)	2-7	581.89	581.49	NM	NA	0.59	580.90	0.48	581.01	0.70	580.79	1.86	579.63	1.27	580.22											
RI-MW031 (20.5 - 21.5 ft)	20.5-21.5		581.52	NM	NA	0.62	580.90	NM	NA	NM	NA	NM	NA	NM	NA	NA										
RI-MW031 (31-32 ft)	31-32		581.42	NM	NA	0.54	580.88	NM	NA	NM	NA	NM	NA	NM	NA	NA										
RI-MW031 (44-45 ft)	44-45		581.57	NM	NA	0.66	580.91	0.41	581.16	0.77	580.80	1.80	579.77	1.10	580.47											
RI-MW032 (18-23 ft)	18-23	604.89	604.27	15.31	588.96	16.88	587.39	15.92	588.35	14.93	589.34	15.5	588.77	17.69	586.58	17.84	586.43	15.82	588.45	15.75	588.52	17.85	586.42	15.35	588.92	
RI-MW032 (29-30 ft)	29-30		604.36	NM	NA	16.92	587.44	NM	NA	NM	NA	NM	NA	NM	NA	17.79	586.57	NM	NA	NM	NA	NM	NA	15.34	589.02	
RI-MW032 (37-38 ft)	37-38		604.36	NM	NA	15.92	588.44	NM	NA	NM	NM	NA	NM	NA	NM	NA	NA									
RI-MW032 (46-47 ft)	46-47		604.36	15.23	589.13	15.69	588.67	15.62	588.74	14.40	589.96	NM	NA	16.85	587.51	16.88	587.48	15.64	588.72	15.58	588.78	17.21	587.15	15.12	589.24	
RI-MW033 (13-18 ft)	13-18	599.17	598.79	10.29	588.50	9.41	589.38	9.33	589.46	9.31	589.48	10.56	588.23	10.81	587.98	10.87	587.92	11.15	587.64	11.01	587.78	11.47	587.32	10.37	588.42	
RI-MW033 (27.5-28.5 ft)	27.5-28.5		598.75	NM	NA	9.28	589.47	NM	NA	NM	NM	NA	11.00	587.75	11.47	587.28	10.37	588.38								
RI-MW033 (35-36 ft)	35-36		598.72	10.78	587.94	9.78	588.94	9.87	588.85	9.81	588.91	NM	NA	11.80	586.92	11.22	587.50	11.53	587.19	Well Destroyed						
RI-MW034 (7.5-12.5 ft)	7.5-12.5		589.77	589.18	4.58	584.60	NM	NA	3.45	585.73	4.00	585.18	4.49	584.69	4.23	584.95	4.32	584.86	4.94	584.24	4.98	584.20	5.37	583.81	4.98	584.20
RI-MW035 (19-24 ft)	19-24	609.51	609.04	23.46	585.58	23.17	585.87	23.26	585.78	NM	NA	23.64	585.40	Dry	NA	Dry	NA	Dry	NA	Dry	NA	Dry	NA	23.81	585.23	
RI-MW035 (30-31 ft)	30-31		609.07	NM	NA	28.31	580.76	NM	NA	NM	NA	23.72	585.35	24.55	584.52	24.64	584.43	24.44	584.63	24.17	584.90	25.04	584.03	23.86	585.21	
RI-MW035 (39-40 ft)	39-40		609.11	NM	NA	24.1	585.01	NM	NA	NM	NA	23.70	585.41	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NA	23.86	585.25
RI-MW035 (49-50 ft)	49-50		609.09	23.50	585.59	23.21	585.88	23.3	585.79	NM	NA	23.67	585.42	24.50	584.59	24.62	584.47	24.38	584.71	24.11	584.98	24.99	584			

Table 2
PFAS Nomenclature
Oscoda Area Monitoring Well Sampling Analytical Results
Iosco County, Michigan

Chemical Name	Abbreviation	Cas Number
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTeDA	376-06-7
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUDS	763051-92-9
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
Perfluoro-2-propoxypropanoic acid	HFPO-DA	13252-13-6
Perfluorodecane sulfonic acid	PFDS	335-77-3
Perfluorobutane sulfonic acid	PFBS	375-73-5
Perfluoropentane sulfonic acid	PFPeS	2706-91-4
Perfluorohexane sulfonic acid	PFHxS	355-46-4
Perfluoroheptane sulfonic acid	PFHpS	375-92-8
Perfluoroctane sulfonic acid	PFOS	1763-23-1
Perfluorononane sulfonic acid	PFNS	68259-12-1
Perfluoroctanesulfonamide	PFOSA	754-91-6
4:2 Fluorotelomer sulfonic acid	4:2 FTS	757124-72-4
6:2 Fluorotelomer sulfonic acid	6:2 FTS	27619-97-2
8:2 Fluorotelomer sulfonic acid	8:2FTS	39108-34-4
N-Ethyl Perfluoroctane sulfonamido acetic acid	EtFOSAA	2991-50-6
N-Methyl Perfluoroctane sulfonamide	MeFOSAA	2355-31-9

	Perfluoroalkyl Carboxylic Acids (PFCAs)
	Perfluoropolyether carboxylic acids (PFPE)
	Perfluoroalkane Sulfonic Acids (PFSAs)
	Perfluoroalkane Sulfonamides (FASAs)
	Fluorotelomer Sulfonic Acids (FTSAs)
	N-Ethyl Perfluoroalkane Sulfonamidoacetic Acids (EtFASAAAs)
	N-Methyl Perfluoroalkane Sulfonamidoacetic Acids (MeFASAAAs)

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			DEQ-CR-MW002 20 - 25 ft													
			GW1910081420RAP 10/8/2019 1903623	GW2001221050MK 1/22/2020 2000165	GW2004151045RL 4/15/2020 2000899	GW2007151105RL 7/15/2020 2001522	GW2010281015RL 10/28/2020 2002372	GW2101261405SK 1/26/2021 2102039	GW2104071245RLF 4/7/2021 2104109	GW2107211420RLF 7/21/2021 2107214	FD2107211420RLF 7/21/2021 2107214	GW2110130915BA 10/13/2021 2110157	GW2201261510BA 1/26/2022 2202043	GW2207121310KN 7/12/2022 2207128	FD2207121315KN 7/12/2022 2207128	
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria														
		Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC	< 2.11	2.39 J	1.62 J	2.84 J	1.95 J	2.99 J	2.37 J	1.86 J	1.80 J	2.08 J	1.23 J	2.29 J	1.96 J
PFPeA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	1.50 J	< 2.02	1.24 J	3.26 J	1.90 J	1.98 J	2.1 J	< 1.95	1.00 J	< 4.03
PFHxA	ng/l	NC	400,000	< 2.11	< 2.02	2.97 J	1.80 J	1.62 J	2.36 J, Q	6.11 Q	3.74 J	3.24 J	3.44 J, Q	1.79 J	1.75 J, Q	1.82 J
PFHpA	ng/l	NC	NC	< 2.11	3.03 J, Q	4.69 Q	2.07 J	1.09 J	4.09	4.93 Q	3.65 J	3.29 J	2.71 J	1.04 J	1.34 J	1.46 J
PFOA	ng/l	170	8	2.12 J	7.31	7.65	4.37	2.52 J	5.32	10.90	10.40	9.58	12.8	4.65	5.71	5.85
PFNA	ng/l	NC	6	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
PFDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
PFUnDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
PFDoDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
PFTrDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
PFTeDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03	
11CI-PF30UdS	ng/l	NC	NC	---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
9CI-PF30NS	ng/l	NC	NC	---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
ADONA	ng/l	NC	NC	---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
HFPO-DA	ng/l	NC	370	---	< 3.02	< 3.04	< 3.22	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
PFDS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
PFBS	ng/l	670,000	420	< 2.11	1.93 J	< 2.02	< 2.15	2.16 J	2.11 J	1.59 J	2.29 J	2.20 J	2.21 J	1.25 J	1.43 J	1.73 J
PPeS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	3.77 J	1.66 J	< 2.05	1.59 J, Q	1.52 J	2.17 J	< 1.95	1.42 J	1.20 J
PFHxS	ng/l	NC	51	< 2.11	4.93	4.50	1.85 J	1.40 J	4.34	12.10	18.90	20.80	22.8	9.77	17.8	19.6
PFHPS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	2.38 J, Q	< 1.99	< 1.95	1.29 J, Q	< 4.03
PFOS	ng/l	12	16	12.90	41.50	43.90	25.40	26.80	36.50	55.00	52.20	47.20	53.4	59.2	42.7	43.5
PFNS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
FOSA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
4:2 FTS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
6:2 FTS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
8:2 FTS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
NETFOSAA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
NMeFOSAA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	< 1.95	< 3.95	< 4.03
Total PFAS	ng/l	NC	NC	15.02	61.09	65.33	39.83	41.31	60.61	96.26	96.53	93.99	103.71	78.93	76.73	77.12

Footnotes:

1. bgs - Below ground surface

2. ft = feet</

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs) Sample Date Lab Report				DEQ-CR-MW003									DEQ-CR-MW005									
							18 - 23 ft															
				GW2010281545RL 10/28/2020	GW2101271510SK 1/27/2021	GW2104071455RLF 4/7/2021	2002372	2102039	2104109	GW1910081505RAP 10/8/2019	GW2001221050RAP 1/22/2020	GW2004150840RL 4/15/2020	1903623	2000165	2000899	Result						
Michigan Part 201 Generic Cleanup Criteria																						
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFPeA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFHxA	ng/l	NC	400,000		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFHpA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFOA	ng/l	170	8		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFNA	ng/l	NC	6		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFDA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFUnDA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFDoDA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFTrDA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFTeDA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
11CI-PF30UdS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	---	---	---	< 2.05	< 2.05	< 2.03	---	---	---	< 2.05	< 2.05	< 2.03	---	---	
9CI-PF30NS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	---	---	---	< 2.05	< 2.05	< 2.03	---	---	---	< 2.05	< 2.05	< 2.03	---	---	
ADONA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	---	---	---	< 2.05	< 2.05	< 2.03	---	---	---	< 2.05	< 2.05	< 2.03	---	---	
HFPO-DA	ng/l	NC	370		< 2.01	< 2.01	< 1.99	---	---	---	< 3.07	< 3.07	< 3.05	---	---	---	< 2.05	< 2.05	< 2.03	---	---	
PFDS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFBS	ng/l	670,000	420		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PPeS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFHxS	ng/l	NC	51		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFHpS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFOS	ng/l	12	16		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
PFNS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
FOSA	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
4:2 FTS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
6:2 FTS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.03	
8:2 FTS	ng/l	NC	NC		< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.05	< 2.03	< 2.05	< 2.				

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs) Sample Sample Date Lab Report			DEQ-CR-MW006 20 - 25 ft												
			GW1910081555RAP 10/8/2019 1903623	GW2001220950MK 1/22/2020 2000165	GW2004150945RL 4/15/2020 2000899	GW2007151005RL 7/15/2020 2001522	GW2007151005RL-FD 7/15/2020 2001522	GW2010280930RL 10/28/2020 2002372	GW2101291030SK 1/29/2021 2102040	GW2104071350RLF 4/7/2021 2104109	GW2107211525RLF 7/21/2021 2107214	GW2110131025BA 10/13/2021 2110157	GW2201261620BA 1/26/2022 2202043	GW2207121430KN 7/12/2022 2207128	
			Michigan Part 201 Generic Cleanup Criteria												
Compound	Unit	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC	2.22 J	2.71 J	3.17 J	2.46 J	2.13 J	1.45 J	2.28 J	2.64 J	2.04 J	1.71 J	1.24 J	1.69 J
PFPeA	ng/l	NC	NC	2.29 J	< 1.99	< 1.99	< 2.07	< 1.92	1.23 J	1.53 J	1.44 J	1.82 J	< 1.99	< 2.01	< 4.01
PFHxA	ng/l	NC	400,000	3.03 J	< 1.99	< 1.99	< 2.07	< 1.92	1.21 J	2.51 J, Q	1.91 J, Q	3.31 J	1.16 J, Q	< 2.01	< 4.01
PFHpA	ng/l	NC	NC	1.52 J, Q	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	2.38 J	1.18 J, Q	1.55 J	< 1.99	< 2.01	< 4.01
PFOA	ng/l	170	8	5.64	3.85 J	5.57	3.44 J	3.19 J	3.85 J	8.07	4.48	5.83	3.79 J	2.23 J	1.80 J
PFNA	ng/l	NC	6	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFUnDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFDoDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFTrDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFTeDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
11CI-PF30UdS	ng/l	NC	NC	---	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
9CI-PF3ONS	ng/l	NC	NC	---	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
ADONA	ng/l	NC	NC	---	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
HPPO-DA	ng/l	NC	370	---	< 2.99	< 2.99	< 3.11	< 2.87	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFDS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFBS	ng/l	670,000	420	< 2.05	1.66 J	1.94 J	< 2.07	< 1.92	< 1.99	2.19 J	1.73 J	2.69 J, Q	1.67 J	1.36 J	1.92 J, Q
PFPeS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	1.05 J
PFHxS	ng/l	NC	51	15.60	12.40	7.55	6.92	6.49	11.00	21.10	7.20	19.70	11.2	10.5	9.71
PFHpS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
PFOS	ng/l	12	16	6.08 Q	7.27	3.79 J	5.96	6.31	9.89	10.90	5.36	1.40 J	3.05 J	7.56	6.86
PFNS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
FOSA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
4:2 FTS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
6:2 FTS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
8:2 FTS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
NETFOSAA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
NMeFOSAA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99	< 2.01	< 4.01
Total PFAS	ng/l	NC	NC	36.38	27.89	22.02	18.78	18.12	28.63	50.96	25.94	38.34	22.58	22.89	23.03

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs) Sample Sample Date Lab Report		DEQ-CR-MW007										DEQ-LD-MW001 10 - 15 ft														
							GW2107211635RLF 7/21/2021					GW1910091100RAP 10/9/2019					GW2001221215RAP 1/22/2020					GW2004151505RL 4/15/2020				
		2107214										1903623					2000165					2000899				
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result		
PFBA	ng/l	NC	NC	< 2.08	5.93	1.67 J	< 2.04	1.79 J	1.27 J	1.06 J	< 2.09	5.93	1.67 J	< 2.04	1.79 J	1.27 J	1.06 J	< 2.09	5.93	1.67 J	< 2.04	1.79 J	1.27 J	1.06 J		
PFPeA	ng/l	NC	NC	< 2.08	4.55	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	4.55	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	4.55	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFHxA	ng/l	NC	400,000	< 2.08	6.81	1.66 J	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	6.81	1.66 J	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	6.81	1.66 J	< 2.04	< 1.98	< 1.95	< 2.09		
PFHpA	ng/l	NC	NC	< 2.08	2.33 J, Q	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	2.33 J, Q	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	2.33 J, Q	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFoA	ng/l	170	8	< 2.08	3.44 J	3.12 J	2.56 J	3.24 J	2.03 J	3.04 J	< 2.08	3.44 J	3.12 J	2.56 J	3.24 J	2.03 J	< 2.08	3.44 J	3.12 J	2.56 J	3.24 J	2.03 J	3.04 J			
PFNA	ng/l	NC	6	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFDA	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFUnDA	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFDoDA	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFTrDA	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFTeDA	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
11CI-PF30UdS	ng/l	NC	NC	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
9CI-PF30NS	ng/l	NC	NC	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
ADONA	ng/l	NC	NC	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
HFPO-DA	ng/l	NC	370	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFDS	ng/l	NC	NC	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFBS	ng/l	670,000	420	< 2.08	3.32 J	2.36 J	2.23 J	2.63 J	2.23 J	3.03 J	< 2.08	3.32 J	2.36 J	2.23 J	2.63 J	2.23 J	< 2.08	3.32 J	2.36 J	2.23 J	2.63 J	2.23 J	3.03 J			
PPeS	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFHxS	ng/l	NC	51	< 2.08	3.33 J	1.82 J	1.71 J	3.53 J	3.33 J	2.84 J	< 2.08	3.33 J	1.82 J	1.71 J	3.53 J	3.33 J	< 2.08	3.33 J	1.82 J	1.71 J	3.53 J	3.33 J	2.84 J			
PFHxS	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
PFOS	ng/l	12	16	< 2.08	2.05 J, Q	2.66 J	< 2.04	2.26 J	2.76 J	< 2.09	< 2.08	2.05 J, Q	2.66 J	< 2.04	2.26 J	2.76 J	< 2.09	< 2.08	2.05 J, Q	2.66 J	< 2.04	2.26 J	2.76 J	< 2.09		
PFNS	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09	< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95	< 2.09		
FOSA	ng/l	NC	NC	< 2.08	< 2.07	< 2.06	< 2.04	<																		

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			DEQ-LD-MW003 10 - 15 ft														
			Sample Date		GW1910091215RAP 10/9/2019	GW2001221350RAP 1/22/2020	GW2004151350RL 4/15/2020	FD2004151350RL 4/15/2020	GW2007151240RL 7/15/2020	GW2010281145RL 10/28/2020	FD2010281145RL 10/28/2020	GW2101290915SK 1/29/2021	GW2104071810RLF 4/7/2021	GW2107211115RLF 7/21/2021	GW2110131310BA 10/13/2021	GW2201261250BA 1/26/2022	GW2207131230RF 7/13/2022
			Lab Report	1903623	2000165	2000899	2000899	2001522	2002372	2002372	2102040	2104108	2107214	2110157	2202043	2207129	
Michigan Part 201 Generic Cleanup Criteria																	
Compound	Unit	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result		
PFBA	ng/l	NC	NC	< 2.17	3.43 J	2.83 J	3.02 J	3.45 J	4.41	4.81	2.77 J	1.14 J	2.57 J	5.06	3.82 J	1.68 J	
PFPeA	ng/l	NC	NC	1.70 J	6.97	4.50	5.25	7.06	16.90	16.60	7.95	2.99 J	2.33 J	12.4	6.32	2.20 J	
PFHxA	ng/l	NC	400,000	2.56 J	7.95	4.96	4.59 Q	6.63	14.70	15.90	9.27	3.62 J	3.47 J, Q	17.1	7.75	2.39 J	
PFHpA	ng/l	NC	NC	< 2.17	2.22 J	1.72 J, Q	1.58 J, Q	< 2.07	4.37	4.55	2.99 J	1.05 J	1.11 J	5.1	3.51 J	1.25 J	
PFoA	ng/l	170	8	2.57 J	6.25	4.09	4.68	4.40	11.00	10.20	10.50	4.21	3.94 J	13.4	17.2	5.01	
PFNA	ng/l	NC	6	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFUnDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFDoDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFTrDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFTeDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
11CI-PF30UdS	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
9CI-PF30NS	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
ADONA	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
HFPO-DA	ng/l	NC	370	---	< 3.01	< 3.02	< 3.02	< 3.10	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 3.92		
PFDS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFBS	ng/l	670,000	420	1.66 J	2.73 J	2.30 J	2.64 J, Q	3.29 J	4.45	5.10	4.36	2.81 J	1.96 J	6.74	7.44	3.24 J	
PPeS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFHxS	ng/l	NC	51	< 2.17	2.36 J	1.40 J	1.57 J	2.23 J	3.91 J	3.83 J	3.96 J	2.72 J	2.66 J	5.72	11.1	4.95	
PFHPS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
PFOS	ng/l	12	16	< 2.17	2.60 J	< 2.02	< 2.02	< 2.07	2.34 J	2.38 J	2.74 J	1.68 J	< 2.08	< 2.02	3.84 J	2.89 J	
PFNS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
FOSA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
4:2 FTS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
6:2 FTS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
8:2 FTS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
NEFOSAA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
NMeFOSAA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02	< 2.03	< 3.92		
Total PFAS	ng/l	NC	NC	8.49	34.51	21.80	23.33	27.06	62.08	63.37	44.54	20.22	18.04	65.52	60.98	23.61	

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection limit

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria.

8. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				DEQ-LD-MW005 5 - 10 ft							
				GW1910081710RAP 10/8/2019 1903623	GW2001221650RAP 1/22/2020 2000166	GW2004151605RL 4/15/2020 2000906	GW2101281055SK 1/28/2021 2102039	GW2104061440RLF 4/6/2021 2104109	Result	Result	Result
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	
		Groundwater	Surface Water								
		Interface	Drinking Water								
PFBA	ng/l	NC	NC	14.50	13.10	11.90	9.62	9.65			
PFPeA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	2.40 J	1.69 J			
PFHxA	ng/l	NC	400,000	< 2.16	< 2.01	< 2.02	1.53 J	1.24 J, Q			
PFHpA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFOA	ng/l	170	8	2.77 J	2.60 J	2.78 J	3.03 J	2.01 J			
PFNA	ng/l	NC	6	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFUnDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFDoDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFTrDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFTeDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
11Cl-PF3Ouds	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.01	< 1.99			
9Cl-PF3ONS	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.01	< 1.99			
ADONA	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.01	< 1.99			
HFPO-DA	ng/l	NC	370	---	< 3.01	< 3.04	< 2.01	< 1.99			
PFDS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFBS	ng/l	670,000	420	9.29	7.79	10.30	7.65	7.52			
PFPeS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFHXS	ng/l	NC	51	4.96	9.49	6.28	8.97	8.71			
PFHsS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
PFOS	ng/l	12	16	3.10 J, Q	3.08 J	2.51 J	6.03	4.50			
PFNS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
FOSA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
NiFOSAA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99			
Total PFAS	ng/l	NC	NC	34.62	36.06	33.77	39.23	35.32			

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			DEQ-RR-MW003 12 - 17 ft						
			Sample Sample Date	GW1910081440GSC 10/8/2019	GW2001231315MK 1/23/2020	GW2004141105GSC 4/14/2020	GW2010291015RL 10/29/2020		
			Lab Report	1903623	2000166	2000899	2002372		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria							
		Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result		
PFBA	ng/l	NC	NC	2.09 J	2.38 J	< 1.99	< 2.03		
PFPeA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFHxA	ng/l	NC	400,000	< 2.02	< 2.02	< 1.99	< 2.03		
PFHpA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFOA	ng/l	170	8	< 2.02	< 2.02	< 1.99	< 2.03		
PFNA	ng/l	NC	6	< 2.02	< 2.02	< 1.99	< 2.03		
PFDA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFUnDA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFDoDA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFTrDA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFTeDA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
11Cl-PF3OuDs	ng/l	NC	NC	---	< 2.02	< 1.99	< 2.03		
9CI-PF3ONS	ng/l	NC	NC	---	< 2.02	< 1.99	< 2.03		
ADONA	ng/l	NC	NC	---	< 2.02	< 1.99	< 2.03		
HFPo-DA	ng/l	NC	370	---	< 3.02	< 2.99	< 2.03		
PFDS	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFBS	ng/l	670,000	420	47.60	8.68	< 1.99	2.33 J		
PFPeS	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFHXS	ng/l	NC	51	< 2.02	< 2.02	< 1.99	< 2.03		
PFHps	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
PFOS	ng/l	12	16	< 2.02	1.87 J	< 1.99	< 2.03		
PFNS	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
FOSA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
4:2 FTS	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
6:2 FTS	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
8:2 FTS	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
NETFOSAA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
NMeFOSAA	ng/l	NC	NC	< 2.02	< 2.02	< 1.99	< 2.03		
Total PFAS	ng/l	NC	NC	49.69	12.93	ND	2.33		

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				DEQ-RR-MW004 17 - 22 ft										
				GW1910090950GSC 10/9/2019	GW2001231225MK 1/23/2020	GW2004141140GSC 4/14/2020	GW2007151245GSC 7/15/2020	GW2010290855RL 10/29/2020	GW2101261445GSC 1/26/2021	GW2104070950KEM 4/7/2021	GW2107210750MLH 7/21/2021	GW2110131230RF 10/13/2021	GW2201261245RF 1/26/2022	GW2207121345RF 7/12/2022
Sample Sample Date	Lab Report	1903623	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110157	2202043	2207128		
Michigan Part 201 Generic Cleanup Criteria														
Compound	Unit	Groundwater Interface	Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC	1.49 J	9.59	6.10	4.05	19.40	11.20	8.65	11.10	18.6	15.2	30.6
PFPeA	ng/l	NC	NC	< 2.09	2.66 J	3.07 J	1.82 J	8.33	1.32 J	11.00	2.79 J	1.74 J	4.21	12.7
PFHxA	ng/l	NC	400,000	< 2.09	1.91 J	1.67 J, Q	< 2.01	8.03	< 1.94	11.10	< 1.98	< 1.99	3.69 J	9.14
PFHpA	ng/l	NC	NC	< 2.09	1.41 J	< 2.03	< 2.01	2.26 J	< 1.94	8.26	1.22 J	< 1.99	2.56 J	6.59
PFOA	ng/l	170	8	< 2.09	3.96 J	2.88 J	2.00 J	2.84 J	1.28 J	8.49	3.07 J	2.83 J	5.84	11.2
PFNA	ng/l	NC	6	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFUnDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFDoDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFTeDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFTeDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
11CI-PF3Ouds	ng/l	NC	NC	---	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
9CI-PF3ONS	ng/l	NC	NC	---	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
ADONA	ng/l	NC	NC	---	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
HFPO-DA	ng/l	NC	370	---	< 3.02	< 3.05	< 3.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFDS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFBS	ng/l	670,000	420	99.10	103	399	611	194	85.70	121	938	526	192	457
PFPeS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFHxS	ng/l	NC	51	< 2.09	2.87 J	1.69 J	< 2.01	4.07 J	2.93 J	2.38 J	1.78 J	3.98	3.06 J	5.12
PFHpS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
PFOS	ng/l	12	16	11.00	18.90	27.50	9.86	15.40	15.90	30.00	13.70	13.3	14.9	18.4
PFNS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
FOSA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
4:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
6:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
8:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
NETFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
NMeFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99	< 1.98	< 3.96
Total PFAS	ng/l	NC	NC	111.59	144.30	441.91	628.73	254.33	118.33	200.88	971.66	566.45	241.46	550.75

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				DEQ-RR-MW005 13 - 18 ft										
				GW1910081530GSC 10/8/2019	GW2001231425MK 1/23/2020	GW2004141340GSC 4/14/2020	GW2007151140GSC 7/15/2020	GW2010291120RL 10/29/2020	GW2101261545GSC 1/26/2021	GW2104071040KEM 4/7/2021	GW2107210940MLH 7/21/2021	GW2110131405RF 10/13/2021	GW2201261450RF 1/26/2022	GW2207121300RF 7/12/2022
Sample Sample Date	Lab Report	1903623	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110157	2202043	2207128		
Michigan Part 201 Generic Cleanup Criteria														
Compound	Unit	Groundwater Interface	Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC	23.50	7.92	24.10	174.00	39.80	8.78	30.00	129.00	81.7	17.9	118
PFPeA	ng/l	NC	NC	22.60	13.10	14.70	502.00	110.00	23.60	39.00	372.00	143	17.7	176
PFHxA	ng/l	NC	400,000	13.70	9.27	10.60	215.00	64.00	14.10	25.50	174.00	84.6	11.7	92.4
PFHpA	ng/l	NC	NC	1.62 J	1.99 J, Q	1.93 J, Q	18.70	2.74 J	< 2.02	2.48 J, Q	7.69	4.11 J	< 1.96	4.18
POFA	ng/l	170	8	4.36	8.96	5.17	33.70	6.95	3.49 J	4.53	8.62	9.51	2.29 J	7.55
PFNA	ng/l	NC	6	< 2.03	< 2.12	< 1.97	6.13	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
PFDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	6.86	1.76 J	2.40 J	< 2.05	< 2.07	< 2.11	< 1.96	1.56 J
PFUnDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
PFDoDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
PFTrDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
PFTeDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
11CI-PF3Ouds	ng/l	NC	NC	---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
9CI-PF3ONS	ng/l	NC	NC	---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
ADONA	ng/l	NC	NC	---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
HFPO-DA	ng/l	NC	370	---	< 3.18	< 2.95	< 3.15	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
PFDS	ng/l	NC	NC	3.16 J	4.32	4.87	11.20 Q	6.18	15.40	10.10	2.21 J	3.25 J	2.40 J	4.29
PFBS	ng/l	670,000	420	328	93.70	357	819	219	103	101	1,870	1,090	390	903
PFPeS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
PFHxS	ng/l	NC	51	1.98 J	< 2.12	< 1.97	2.14 J	< 2.02	< 2.02	< 2.05	4.35	1.94 J	< 1.96	1.36 J
PFHpS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
PFOS	ng/l	12	16	39.70	46.50	21.30	150.00	46.20	23.40	12.50	8.37	19.7	15.0	43.3
PFNS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
FOSA	ng/l	NC	NC	24.00	12.60	17.10	30.10	38.00	77.20	25.70	9.58	18.5	20.4	35.2
4:2 FTS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
6:2 FTS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	4.93	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
8:2 FTS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
NEFOSAA	ng/l	NC	NC	< 2.03	3.48 J	5.94	7.63	1.49 J	8.23	3.81 J	< 2.07	< 2.11	2.07 J	6.50
NMeFOSAA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11	< 1.96	< 4.11
Total PFAS	ng/l	NC	NC	462.62	201.84	462.71	1,981.39	536.12	279.60	254.62	2,585.82	1,456.31	479.46	1,393.34

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			DEQ-RR-MW006 11 - 16 ft			
Sample Sample Date	GW1910091040GSC 10/9/2019	GW2001231110MK 1/23/2020	GW2004141240GSC 4/14/2020	GW2007151210GSC 7/15/2020		
Lab Report	1903623	2000166	2000899	2001522		
Michigan Part 201 Generic Cleanup Criteria						
Compound	Unit	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result
PFBA	ng/l	NC	NC	3.43 J	2.20 J	< 2.06
PFPeA	ng/l	NC	NC	3.36 J	2.73 J	< 2.06
PFHxA	ng/l	NC	400,000	3.10 J	2.52 J	< 2.06
PFHpA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFOA	ng/l	170	8	1.57 J	1.40 J	< 2.06
PFNA	ng/l	NC	6	< 2.05	< 2.00	< 2.06
PFDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFUnDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFDoDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFTrDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFTeDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
11Cl-PF3OuDs	ng/l	NC	NC	---	< 2.00	< 2.06
9CI-PF3ONS	ng/l	NC	NC	---	< 2.00	< 2.06
ADONA	ng/l	NC	NC	---	< 2.00	< 2.06
HFPo-DA	ng/l	NC	370	---	< 3.00	< 3.09
PFDS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFBS	ng/l	670,000	420	< 2.05	< 2.00	< 2.06
PFPeS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFHXS	ng/l	NC	51	1.79 J	2.03 J	< 2.06
PFHps	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
PFOS	ng/l	12	16	6.00	8.72	3.36 J
PFNS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
FOSA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
4:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
6:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
8:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
NETFOSAA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
NMeFOSAA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06
Total PFAS	ng/l	NC	NC	19.25	19.60	3.36
						1.75

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				DEQ-RR-MW007 10 - 15 ft										Jul 2022
				GW1910081655GSC 10/8/2019 1903623	GW2001231000MK 1/23/2020 2000166	GW2004141420GSC 4/14/2020 2000899	GW2007151005GSC 7/15/2020 2001522	GW2101261635GSC 1/26/2021 2102039	GW2104071140KEM 4/7/2021 2104108	GW2107210850MLH 7/21/2021 2107214	GW2110131135RF 10/13/2021 2110157	FD2110131140RF 10/13/2021 2110157	GW2201261345RF 1/26/2022 2202043	
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
		Groundwater	Surface Water	Interface	Drinking Water									
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC	1.66 J	2.48 J	< 1.95	< 2.01	1.07 J	< 1.96	< 1.98	< 1.95	< 1.95	1.20 J	Oct 2020
PFPeA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	1.23 J	< 1.98	< 1.95	< 1.95	< 1.96	
PFHxA	ng/l	NC	400,000	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFHpA	ng/l	NC	NC	< 2.12	< 2.11	1.77 J	< 2.01	< 2.03	1.67 J, Q	< 1.98	< 1.95	< 1.95	< 1.96	
PFOA	ng/l	170	8	5.65	6.70	6.73	4.18	8.15	13.00	4.64	3.3 J	3.22 J	< 1.96	
PFNA	ng/l	NC	6	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFUnDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFDoDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFTrDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFTeDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
11CI-PF30UDS	ng/l	NC	NC	---	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
9CI-PF30NS	ng/l	NC	NC	---	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
ADONA	ng/l	NC	NC	---	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
HFPO-DA	ng/l	NC	370	---	< 3.16	< 2.93	< 3.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFDS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFBS	ng/l	670,000	420	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFPeS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFHxS	ng/l	NC	51	1.64 J	3.36 J	3.42 J	1.87 J	3.59 J	5.36	2.18 J	1.35 J	1.01 J	< 1.96	
PFHpS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
PFOS	ng/l	12	16	41.40	35.90	57.90	39.70	31.70	42.10	30.60	36.2	34.8	33.3	
PFNS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
FOSA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	1.79 J, Q	1.31 J	1.36 J, Q	< 1.96	
4:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
6:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
8:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
NMeFOSAA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
NMeFOSAA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95	< 1.96	
Total PFAS	ng/l	NC	NC	50.35	48.44	69.82	45.75	44.51	63.36	39.21	42.16	40.39	34.50	

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				DEQ-RR-MW008 8 - 13 ft											
				GW1910081610GSC 10/8/2019 1903623	GW2001231455RAP 1/23/2020 2000166	GW2004141505GSC 4/14/2020 2000899	GW2007151055GSC 7/15/2020 2001522	GW2110131315RF 10/13/2021 2110157	GW2201280855RF 1/28/2022 2202044	GW2207121215RF 7/12/2022 2207128	Result	Result	Result	Result	
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria			Result	Result	Result	Result	Result	Result	Result				
		Groundwater	Surface Water	Drinking Water											
PFBA	ng/l	NC	NC		9.53	3.30 J	4.20	3.40 J	1.7 J	4.91	88.1				
PPPeA	ng/l	NC	NC		41.10	16.10	12.10	10.10	2.58 J	30.9	326				
PFHxA	ng/l	NC	400,000		23.30	10.60	12.50	11.10	2.92 J, Q	31.6	199				
PFHpA	ng/l	NC	NC		4.93	2.02 J, Q	3.59 J	< 2.04	1.34 J	6.52	17.6				
PFOA	ng/l	170	8		16.80	16.00	13.90	10.10	5.93	29.7	20.6				
PFNA	ng/l	NC	6		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	1.37 J	2.24 J, Q				
PFDA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
PFUnDA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
PFDoDA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
PFTrDA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
PFTeDA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
11Cl-PF3Ouds	ng/l	NC	NC		---	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
9CI-PF3ONS	ng/l	NC	NC		---	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
ADONA	ng/l	NC	NC		---	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
HFPO-DA	ng/l	NC	370		---	< 3.07	< 2.96	< 3.06	< 2.02	< 1.98	< 4.05				
PFDS	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
PFBS	ng/l	670,000	420		14.00	22.90	51.60	10.50	17.4	61.5	228				
PPPeS	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	1.34 J				
PFHxS	ng/l	NC	51		5.98	4.94	5.34	3.28 J	2.53 J	3.95 J	5.73				
PFHpS	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
PFOS	ng/l	12	16		11.60	16.00	8.56	11.70	9.43	12.2	18.1				
PFNS	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
FOSA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
4:2 FTS	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
6:2 FTS	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
8:2 FTS	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
NfEFOSAA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
NMeFOSAA	ng/l	NC	NC		< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 1.98	< 4.05				
Total PFAS	ng/l	NC	NC		127.24	91.86	111.79	60.18	43.83	182.65	906.71				

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection limit

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria.

8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				RI-MW001 3 - 8 ft				RI-MW002 2 - 7 ft			
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		GW2010281655RL 10/28/2020	GW2101261525SK 1/26/2021	GW2104061535RLF 4/6/2021	GW2107210810RLF 7/21/2021	GW2010281745RL 10/28/2020	GW210281745RL 10/28/2020	GW210281745RL 10/28/2020	GW210281745RL 10/28/2020
		Groundwater Surface Water Interface	Drinking Water								
Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC	7.50	3.95 J	2.97 J	2.89 J	9.07	4.27	3.00 J	2.67 J
PFPeA	ng/l	NC	NC	6.43	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFHxA	ng/l	NC	400,000	6.42	1.73 J	< 1.97	< 2.07	4.27	3.00 J	1.85 J	1.85 J
PFHpA	ng/l	NC	NC	7.14	1.68 J	< 1.97	1.10 J	3.00 J	1.85 J	1.85 J	1.85 J
PFQA	ng/l	170	8	8.43	4.33	1.61 J	2.81 J	2.81 J	2.81 J	2.81 J	2.81 J
PFNA	ng/l	NC	6	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFDA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFUnDA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFDoDA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFTrDA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFtEDA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
11CI-PF30UDS	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
9CI-PF30NS	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
ADONA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
HFPO-DA	ng/l	NC	370	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFDS	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFBS	ng/l	670,000	420	3.99 J	3.04 J	4.58	4.40	1.98 J	1.98 J	1.98 J	1.98 J
PPePs	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFHxS	ng/l	NC	51	2.87 J	< 2.03	< 1.97	< 2.07	1.91 J	1.91 J	1.91 J	1.91 J
PFHps	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
PFOS	ng/l	12	16	5.20	2.31 J	< 1.97	1.36 J	1.43 J	1.43 J	1.43 J	1.43 J
PFNS	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
FOSA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
4:2 FTS	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
6:2 FTS	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
8:2 FTS	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
NEtFOSAA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
NMeFOSAA	ng/l	NC	NC	< 2.02	< 2.03	< 1.97	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
Total PFAS	ng/l	NC	NC	47.98	17.04	9.16	12.56	26.18	26.18	26.18	26.18

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW003 2 - 7 ft											
			GW1910091430RAP 10/9/2019	GW2001221710MK 1/22/2020	GW2004151325GSC 4/15/2020	GW2007151830RL 7/15/2020	GW2101261615SK 1/26/2021	GW2104061650RLF 4/6/2021	GW2107210710RLF 7/21/2021	GW2110121240RF 10/12/2021	GW2201270905BA 1/27/2022	FD2201270905BA 1/27/2022	GW2207121545KN 7/12/2022	
Sample Sample Date Lab Report			1903624	2000166	2000899	2001522	2102039	2104109	2107214	2110157	2202043	2202043	2207128	
Michigan Part 201 Generic Cleanup Criteria														
Compound	Unit	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result		
PFBA	ng/l	NC	NC	8.98	3.04 J	6.27	9.96	2.31 J	2.76 J	2.92 J	4 J	2.43 J	2.72 J	4.10
PFPeA	ng/l	NC	NC	7.18	2.02 J	5.77	13.50	1.16 J	2.32 J	2.40 J	3.86 J	1.43 J	1.06 J	3.62 J
PFHxA	ng/l	NC	400,000	8.70	2.87 J	5.73 Q	15.50	1.40 J	1.69 J	3.27 J, Q	3.63 J	1.52 J	2.18 J, Q	4.57
PFHpA	ng/l	NC	NC	2.87 J, Q	< 2.02	1.37 J, Q	3.61 J	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFOA	ng/l	170	8	8.70	3.54 J	3.45 J	7.42	2.18 J	1.22 J	1.67 J	1.81 J	1.16 J	1.53 J	1.33 J
PFNA	ng/l	NC	6	1.59 J	< 2.02	< 2.00	1.87 J	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFDA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFUnDA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFDoDA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFTrDA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFTeDA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
11CI-PF3OuDS	ng/l	NC	NC	---	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
9CI-PF3ONS	ng/l	NC	NC	---	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
ADONA	ng/l	NC	NC	---	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
HFPO-DA	ng/l	NC	370	---	< 3.02	< 3.00	< 2.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFDS	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFBS	ng/l	670,000	420	3.05 J	< 2.02	2.52 J	3.80 J	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PPeS	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFHxS	ng/l	NC	51	4.55	1.45 J	1.66 J	5.17	1.60 J	< 1.99	< 2.02	1.61 J	< 2.07	1.16 J	1.84 J
PFHpS	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
PFOS	ng/l	12	16	3.75 J	3.76 J	2.26 J	7.60	2.38 J	< 1.99	1.81 J	1.71 J	2.72 J	3.25 J	3.86
PFNS	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
FOSA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
4:2 FTS	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
6:2 FTS	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
8:2 FTS	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
NEFOSAA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
NMeFOSAA	ng/l	NC	NC	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01	< 2.07	< 1.99	< 3.83
Total PFAS	ng/l	NC	NC	49.37	16.68	29.03	68.43	11.03	7.99	12.07	18.04	9.26	11.90	20.85

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

		Location Well Screen Interval (bgs)		RI-MW003 16 - 17 ft										RI-MW004 5 - 10 ft									
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria										Michigan Part 201 Generic Cleanup Criteria											
		Groundwater Surface Water Interface		Drinking Water		Groundwater Surface Water Interface		Drinking Water		Groundwater Surface Water Interface		Drinking Water		Groundwater Surface Water Interface		Drinking Water		Groundwater Surface Water Interface		Drinking Water			
PFBA	ng/l	NC	NC																				
PPPeA	ng/l	NC	NC																				
PFHxA	ng/l	NC	400,000																				
PFHpA	ng/l	NC	NC																				
PFOA	ng/l	170	8																				
PFNA	ng/l	NC	6																				
PFDA	ng/l	NC	NC																				
PFUnDA	ng/l	NC	NC																				
PFDoDA	ng/l	NC	NC																				
PFTrDA	ng/l	NC	NC																				
PFTeDA	ng/l	NC	NC																				
11Cl-PF3OuDs	ng/l	NC	NC																				
9Cl-PF3ONS	ng/l	NC	NC																				
ADONA	ng/l	NC	NC																				
HFPo-DA	ng/l	NC	370																				
PFDS	ng/l	NC	NC																				
PFBS	ng/l	670,000	420																				
PPPes	ng/l	NC	NC																				
PFHXS	ng/l	NC	51																				
PFHps	ng/l	NC	NC																				
PFOS	ng/l	12	16																				
PFNS	ng/l	NC	NC																				
FOSA	ng/l	NC	NC																				
4:2 FTS	ng/l	NC	NC																				
6:2 FTS	ng/l	NC	NC																				
8:2 FTS	ng/l	NC	NC																				
NEt-FOSAA	ng/l	NC	NC																				
NMeFOSAA	ng/l	NC	NC																				
Total PFAS	ng/l	NC	NC													6.82	7.76						

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW005 7 - 12 ft										RI-MW007 19 - 20 ft											
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Groundwater Surface Water Interface					Drinking Water					GW2101290930KEM 1/29/2021					GW2104071625RLF 4/7/2021						
			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC											< 2.11	47.00									
PFPeA	ng/l	NC	NC											< 2.11	2.67 J									
PFHxA	ng/l	NC	400,000											< 2.11	5.14									
PFHpA	ng/l	NC	NC											< 2.11	1.35 J									
PFOA	ng/l	170	8											< 2.11	4.68									
PFNA	ng/l	NC	6											< 2.11	< 2.00									
PFDA	ng/l	NC	NC											< 2.11	< 2.00									
PFUnDA	ng/l	NC	NC											< 2.11	< 2.00									
PFDoDA	ng/l	NC	NC											< 2.11	< 2.00									
PTfDA	ng/l	NC	NC											< 2.11	< 2.00									
PFtEDA	ng/l	NC	NC											< 2.11	< 2.00									
11Cl-PF3OuDs	ng/l	NC	NC											< 2.11	< 2.00									
9Cl-PF3ONS	ng/l	NC	NC											< 2.11	< 2.00									
ADONA	ng/l	NC	NC											< 2.11	< 2.00									
HFPO-DA	ng/l	NC	370											< 2.11	< 2.00									
PFDS	ng/l	NC	NC											< 2.11	< 2.00									
PFBS	ng/l	670,000	420											< 2.11	1.20 J									
PPeS	ng/l	NC	NC											< 2.11	< 2.00									
PFHxS	ng/l	NC	51											6.01	16.70									
PFHpS	ng/l	NC	NC											< 2.11	< 2.00									
PFOS	ng/l	12	16											< 2.11	< 2.00									
PFNS	ng/l	NC	NC											< 2.11	< 2.00									
FOSA	ng/l	NC	NC											< 2.11	< 2.00									
4:2 FTS	ng/l	NC	NC											< 2.11	< 2.00									
6:2 FTS	ng/l	NC	NC											< 2.11	< 2.00									
8:2 FTS	ng/l	NC	NC											< 2.11	< 2.00									
NfEFOSAA	ng/l	NC	NC											< 2.11	< 2.00									
NMeFOSAA	ng/l	NC	NC											< 2.11	< 2.00									
Total PFAS	ng/l	NC	NC											6.01	78.74									

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs) Sample Date Lab Report			RI-MW007 39 - 40 ft											
			GW1910090935RAP 10/9/2019	W1910090935RAP-F 10/9/2019	GW2001221255MK 1/22/2020	GW2001221255MK-FD 1/22/2020	GW2004151110GSC 4/15/2020	GW2007160910RL 7/16/2020	GW2010281335RL 10/28/2020	GW2107210940RLF 7/21/2021	GW2110131155BA 10/13/2021	GW2201261350BA 1/26/2022	GW2207121700KN 7/12/2022	
			1903624	1903624	2000165	2000165	2000899	2001523	2002372	2107214	2110157	2202043	2207128	
			Michigan Part 201 Generic Cleanup Criteria	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC	< 2.13	< 2.02	2.59 J	2.68 J	2.31 J	1.81 J	1.89 J	1.89 J	1.91 J	1.94 J	2.12 J
PFPeA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	1.48 J
PFHxA	ng/l	NC	400,000	< 2.13	< 2.02	1.76 J	< 2.07	1.52 J, Q	< 2.00	1.79 J, Q	< 2.06	< 1.98	< 2.03	< 3.91
PFHpA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFOA	ng/l	170	8	< 2.13	< 2.02	1.90 J	1.74 J	1.73 J	< 2.00	1.41 J	1.73 J	1.33 J	1.59 J	1.36 J
PFNA	ng/l	NC	6	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFUnDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFDoDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFTrDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFTeDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
11CI-PF3OUD5	ng/l	NC	NC	---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
9CI-PF3ONS	ng/l	NC	NC	---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
ADONA	ng/l	NC	NC	---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
HFPO-DA	ng/l	NC	370	---	---	< 3.13	< 3.11	< 2.99	< 3.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFDS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFBS	ng/l	670,000	420	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFPeS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFHxS	ng/l	NC	51	3.65 J	3.02 J	5.84	5.64	4.47	3.31 J	3.39 J	2.12 J	2.77 J	3.28 J	4.55
PFHpS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFOS	ng/l	12	16	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
PFNS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
FOSA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
4:2 FTS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
6:2 FTS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
8:2 FTS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
NetFOSAA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
NMeFOSAA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98	< 2.03	< 3.91
Total PFAS	ng/l	NC	NC	3.65	3.02	12.09	10.06	10.03	5.12	8.48	7.26	7.12	8.51	10.78

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection limit

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis.

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria.

8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				RI-MW008 18 - 19 ft					
				GW2010281430RL 10/28/2020	GW2101261715SK 1/26/2021	GW2104061745RLF 4/6/2021	GW2107211215RLF 7/21/2021	GW2110131435BA 10/13/2021	GW2201271125BA 1/27/2022
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		2002372	2102039	2104109	2107214	2110157	2202043
Compound	Unit	Groundwater Interface	Surface Water Interface	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC	1.54 J	1.40 J	1.29 J	1.74 J	2.01 J	1.43 J
PFPeA	ng/l	NC	NC	1.12 J	1.40 J	1.17 J	1.21 J	1.03 J	1.48 J
PFHxA	ng/l	NC	400,000	1.76 J	1.47 J, Q	< 1.97	1.64 J	1.21 J	2.37 J
PFHpA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFOA	ng/l	170	8	3.46 J	2.87 J	2.68 J	3.03 J	3.75 J	4.66
PFNA	ng/l	NC	6	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFDA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFUnDA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFDoDA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFTrDA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFtEDA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
11Cl-PF3OuDS	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
9Cl-PF3ONS	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
ADONA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
HFPO-DA	ng/l	NC	370	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFDS	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFBS	ng/l	670,000	420	< 2.04	1.18 J, Q	< 1.97	1.68 J, Q	< 1.95	< 1.98
PPePs	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFHxS	ng/l	NC	51	3.79 J	3.69 J	2.28 J	< 1.96	5.77	6.67
PFHps	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFOS	ng/l	12	16	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
PFNS	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
FOSA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
4:2 FTS	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
6:2 FTS	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
8:2 FTS	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
NeFOSAA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
NMeFOSAA	ng/l	NC	NC	< 2.04	< 2.00	< 1.97	< 1.96	< 1.95	< 1.98
Total PFAS	ng/l	NC	NC	11.67	12.01	7.42	9.30	13.77	16.61

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				RI-MW008 27.5 - 28.5 ft							
				GW1910091525RAP 10/9/2019 1903624	GW2001221500RAP 1/22/2020 2000165	GW2004151005GSC 4/15/2020 2000899	GW2007160945RL 7/16/2020 2001523	GW2107211300RLF 7/21/2021 2107214	GW2110131525BA 10/13/2021 2110157	GW2201271215BA 1/27/2022 2202043	GW2207121755KN 7/12/2022 2207128
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Interface	Surface Water Interface								
PFBA	ng/l	NC	NC	1.98 J	3.70 J	1.56 J	1.85 J	< 2.04	< 1.98	< 1.95	1.58 J
PFPeA	ng/l	NC	NC	2.67 J	5.26	4.63	4.37	3.22 J	2.5 J	1.68 J	2.91 J
PFHxA	ng/l	NC	400,000	4.14	10.20	8.88	6.90	6.27	4.68	3.48 J	5.00
PFHpA	ng/l	NC	NC	1.46 J, Q	4.48 Q	4.54	4.19	4.07 J	3.18 J	2.25 J	2.50 J
PFoA	ng/l	170	8	3.08 J	6.05	4.03	3.95 J	2.71 J	2.76 J	1.90 J	4.11
PFNA	ng/l	NC	6	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFUnDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFDoDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFTeDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFTeDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
11CI-PF30UdS	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
9CI-PF30NS	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
ADONA	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
HFPO-DA	ng/l	NC	370	---	< 2.98	< 2.94	< 3.05	< 2.04	< 1.98	< 1.95	< 3.78
PFDS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFBS	ng/l	670,000	420	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PPeS	ng/l	NC	NC	< 2.02	1.56 J, Q	1.54 J, Q	< 2.03	< 2.04	< 1.98	< 1.95	2.33 J
PFHxS	ng/l	NC	51	4.22	7.91	7.00	7.59	6.30	7.8	6.66	17.6
PFHxD	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFOS	ng/l	12	16	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
PFNS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
FOSA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
4:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
6:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
8:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
NEFOsAA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
NMeFOsAA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 1.95	< 3.78
Total PFAS	ng/l	NC	NC	17.55	39.16	32.18	28.85	22.57	20.92	15.97	37.06

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis.

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria

8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW024 26 - 27 ft						RI-MW025 5.5 - 10.5 ft						RI-MW026 16 - 21 ft											
			Sample Date	GW1910100945GSC 10/10/2019	GW2001231215RAP 1/23/2020	GW2004141640GSC 4/14/2020							GW2007151315GSC 7/15/2020							GW2010281555CM 10/28/2020						
			Lab Report	1903624	2000166	2000899							2001522							2002372						
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Groundwater Surface Water Interface	Drinking Water	Result	Result	Result																		
PFBA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFPeA	ng/l	NC	NC			2.00 J	< 1.96	2.36 J																		
PFHxA	ng/l	NC	400,000			3.88 J	2.33 J, Q	3.61 J																		
PFHpA	ng/l	NC	NC			2.04 J, Q	< 1.96	< 1.99																		
PFOA	ng/l	170	8			1.65 J	2.77 J	3.07 J																		
PFNA	ng/l	NC	6			< 2.02	< 1.96	< 1.99																		
PFDA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFUnDA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFDoDA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFTrDA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFTeDA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
11Cl-PF3OuDS	ng/l	NC	NC			---	< 1.96	< 1.99																		
9Cl-PF3ONS	ng/l	NC	NC			---	< 1.96	< 1.99																		
ADONA	ng/l	NC	NC			---	< 1.96	< 1.99																		
HFPO-DA	ng/l	NC	370			---	< 2.94	< 2.99																		
PFDS	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFBS	ng/l	670,000	420			3.98 J	2.69 J	3.74 J, Q																		
PFPeS	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFHxS	ng/l	NC	51			7.07	1.49 J	1.70 J																		
PFHpS	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
PFOS	ng/l	12	16			< 2.02	< 1.96	< 1.99																		
PFNS	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
FOSA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
4:2 FTS	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
6:2 FTS	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
8:2 FTS	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		
NEFOSAA	ng/l	NC	NC			< 2.02	< 1.96	< 1.99																		

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				RI-MW026 32 - 33 ft									
				GW2001231320RAP 1/23/2020	GW2007151440GSC 7/15/2020	GW2010281445CM 10/28/2020	GW2101270830GSC 1/27/2021	GW2101270830GSC-FD 1/27/2021	GW2104061910KEM 4/6/2021	GW2107211500MLH 7/21/2021	GW2110121420RF 10/12/2021	GW2201261700RF 1/26/2022	GW2207121545RF 7/12/2022
				2000166	2001522	2002372	2102039	2102039	2104108	2107214	2110157	2202043	2207128
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Compound	Unit	Groundwater Interface	Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC	1.85 J	< 2.10	2.22 J	< 1.98	< 2.02	< 2.02	1.13 J	2.51 J	1.04 J	< 4.08
PFPeA	ng/l	NC	NC	5.01	2.52 J	5.56	< 1.98	< 2.02	2.05 J	2.92 J	1.98 J	2.24 J	< 4.08
PFHxA	ng/l	NC	400,000	5.25	2.94 J	5.66	< 1.98	< 2.02	1.84 J	2.26 J	1.94 J	2.71 J	< 4.08
PFHpA	ng/l	NC	NC	5.43	3.35 J	2.84 J	< 1.98	< 2.02	2.05 J	1.64 J	1.08 J	1.69 J	< 4.08
PFCoA	ng/l	170	8	16.80	12.90	11.00	< 1.98	< 2.02	9.28	6.88	4.08 J	3.24 J	1.41 J
PFNA	ng/l	NC	6	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFUnDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFDoDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFTrDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PTeDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
11CI-PF30UdS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
9CI-PF3ONS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
ADONA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
HFPO-DA	ng/l	NC	370	< 2.99	< 3.15	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFDS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFBS	ng/l	670,000	420	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFPeS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFHxS	ng/l	NC	51	6.64	4.15 J	4.52	< 1.98	< 2.02	< 2.02	3.11 J	2.45 J	1.87 J	1.21 J
PFHpS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFOS	ng/l	12	16	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
PFNS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
FOSA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
4:2 FTS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
6:2 FTS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
8:2 FTS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
NEFOSAA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
NMeFOSAA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09	< 1.96	< 4.08
Total PFAS	ng/l	NC	NC	40.98	25.86	31.80	ND	ND	18.33	17.28	13.46	12.13	3.05

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW026 45 - 46 ft							RI-MW027 20 - 21 ft						
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	GW2101270925GSC 1/27/2021	GW2104062000KEM 4/6/2021	GW2107211555MLH 7/21/2021	GW2110121405BA 10/12/2021	GW2201261600RF 1/26/2022	FD2201261605RF 1/26/2022	GW2207121500RF 7/12/2022	GW2010281140CM 10/28/2020	2002372	Result	Result	Result	Result	Result
Groundwater Surface Water Interface			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC													
PFPeA	ng/l	NC	NC													
PFHxA	ng/l	NC	400,000													
PFHpA	ng/l	NC	NC													
PFOA	ng/l	170	8													
PFNA	ng/l	NC	6													
PFDA	ng/l	NC	NC													
PFUnDA	ng/l	NC	NC													
PFDoDA	ng/l	NC	NC													
PFTrDA	ng/l	NC	NC													
PTeDA	ng/l	NC	NC													
11CI-PF30UdS	ng/l	NC	NC													
9CI-PF30NS	ng/l	NC	NC													
ADONA	ng/l	NC	NC													
HFOPO-DA	ng/l	NC	370													
PFDS	ng/l	NC	NC													
PFBS	ng/l	670,000	420													
PPeS	ng/l	NC	NC													
PFHxS	ng/l	NC	51													
PFHpS	ng/l	NC	NC													
PFOS	ng/l	12	16													
PFNS	ng/l	NC	NC													
FOSA	ng/l	NC	NC													
4:2 FTS	ng/l	NC	NC													
6:2 FTS	ng/l	NC	NC													
8:2 FTS	ng/l	NC	NC													
NEFOSAA	ng/l	NC	NC													
NMeFOSAA	ng/l	NC	NC													
Total PFAS	ng/l	NC	NC													
Footnotes:																
1. bgs - Below ground surface																
2. ft = feet																
3. ND - Result below detection limit																
4. ng/l - Nanograms per liter																
5. < 2.05 - Result below detection limit																
6. --- = Analyte not included in analysis.																
6. BOLD - Analyte above detection																
7. Highlight - Above one or more criteria.																
8. GRAY = Not Sampled																

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection limit

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis.

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria.

8. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW027 34.5 - 35.3 ft												RI-MW028 5 - 10 ft													
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Groundwater	Surface Water	Interface	Drinking Water	Result	GW2010281250CM 10/28/2020 2002372	GW2007151515GSC 7/15/2020 2001522	GW2010281735CM 10/28/2020 2002372	GW2101271030GSC 1/27/2021 2102039	GW2104061725KEM 4/6/2021 2104108																
PFBA	ng/l	NC	NC				11.50																					
PFPeA	ng/l	NC	NC				18.40																					
PFHxA	ng/l	NC	400,000				7.71																					
PFHpA	ng/l	NC	NC				1.54 J, Q																					
PFOA	ng/l	170	8				2.39 J																					
PFNA	ng/l	NC	6				< 2.02																					
PFDA	ng/l	NC	NC				< 2.02																					
PFUnDA	ng/l	NC	NC				< 2.02																					
PFDoDA	ng/l	NC	NC				< 2.02																					
PFTrDA	ng/l	NC	NC				< 2.02																					
PFTeDA	ng/l	NC	NC				< 2.02																					
11CI-PF30UDS	ng/l	NC	NC				< 2.02																					
9CI-PF30NS	ng/l	NC	NC				< 2.02																					
ADONA	ng/l	NC	NC				< 2.02																					
HFPO-DA	ng/l	NC	370				< 2.02																					
PFDS	ng/l	NC	NC				< 2.02																					
PFBs	ng/l	670,000	420				6.57																					
PFPeS	ng/l	NC	NC				< 2.02																					
PFHxS	ng/l	NC	51				2.22 J																					
PFHpS	ng/l	NC	NC				< 2.02																					
PFOS	ng/l	12	16				< 2.02																					
PFNS	ng/l	NC	NC				< 2.02																					
FOSA	ng/l	NC	NC				< 2.02																					
4:2 FTS	ng/l	NC	NC				< 2.02																					
6:2 FTS	ng/l	NC	NC				< 2.02																					
8:2 FTS	ng/l	NC	NC				< 2.02																					
NEFOSAA	ng/l	NC	NC				< 2.02																					
NMeFOSAA	ng/l	NC	NC				< 2.02																					
Total PFAS	ng/l	NC	NC				50.33																					

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Footnotes:

- 1. bgs - Below ground surface
 - 2. ft = feet
 - 3. ND - Result below detection limit
 - 4. ng/l - Nanograms per liter
 - 5. < 2.05 - Result below detection limit
 - 6. --- = Analyte not included in analysis.
 - 6. **BOLD** - Analyte above detection
 - 7. **Highlight** - Above one or more criteria.
 - 8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW032 18 - 23 ft												
			GW1910091630RAP 10/9/2019	GW2001221530MK 1/22/2020	GW2004150915GSC 4/15/2020	GW2007151700GSC 7/15/2020	GW2010291335CM 10/29/2020	GW2101270930SK 1/27/2021	GW2104071620KEM 4/7/2021	GW2107220750MLH 7/22/2021	GW2110131740BA 10/13/2021	GW2201271325BA 1/27/2022	GW2207130850RF 7/13/2022	FD2207130855RF 7/13/2022	
Sample Sample Date	Lab Report	1903624	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110158	2202043	2207128	2207129		
Michigan Part 201 Generic Cleanup Criteria															
Compound	Unit	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC	6.72	8.18	5.64	8.09	9.46	8.83	8.05	8.68	10.2	8.37	6.66	6.29
PFPeA	ng/l	NC	NC	9.72	15.10	11.20	13.00	16.80	20.10	15.70	16.70	25.8	15.0	13.3	11.9
PFHxA	ng/l	NC	400,000	13.40	20.40	19.20	20.30	26.50	30.20	24.20	26.30	37.8	20.9	15.9	15.1
PFHpA	ng/l	NC	NC	3.87 J	5.84	6.59	8.73	12.70	15.90	15.40	15.90	18.2	14.4	13.9	13.2
PFOA	ng/l	170	8	11.30	15.90	17.90	19.80	22.40	25.10	19.30	18.70	24.3	22.9	23.0	21.0
PFNA	ng/l	NC	6	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PFDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PFUnDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PFDoDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PTroDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PFteDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
11CI-PF30UDS	ng/l	NC	NC	---	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
9CI-PF3ONS	ng/l	NC	NC	---	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
ADONA	ng/l	NC	NC	---	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
HPPO-DA	ng/l	NC	370	---	< 3.06	< 3.02	< 3.10	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PFDS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PFBS	ng/l	670,000	420	23.80	27.60	23.80	25.60	31.30	33.10	23.00	22.70	19.7	47.1	39.1	34.0
PFPeS	ng/l	NC	NC	1.52 J	3.38 J	2.92 J	3.13 J	3.51 J	4.34	2.51 J	2.52 J	2.49 J	2.86 J	2.74 J	1.97 J
PFHxS	ng/l	NC	51	44.30	75.20	71.60	88.30	83.70	103.00	82.40	75.70	70	88.9	67.0	59.1
PFHoS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
PFOS	ng/l	12	16	1.96 J, Q	3.21 J	< 2.02	2.15 J	2.76 J	5.21	2.48 J	< 1.95	2.31 J	< 1.99	5.79	< 3.90
PFNS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
FOSA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
NETFOSAA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94	< 1.99	< 3.90	< 3.90
Total PFAS	ng/l	NC	NC	116.59	174.81	158.85	189.10	209.13	245.78	193.04	187.20	210.80	220.43	187.39	162.56

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection limit

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis.

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria.

8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs) Sample Sample Date Lab Report			RI-MW032 29 - 30 ft						RI-MW032 46 - 47 ft						
			GW2101271010SK 1/27/2021		GW2104071700KEM 4/7/2021		GW2107220835MLH 7/22/2021		GW2110131825BA 10/13/2021		GW2201271410BA 1/27/2022		GW2207130935RF 7/13/2022		
			2102039		2104108		2107214		2110158		2202044		2207128		
			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Groundwater Surface Water Interface	Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	
PFBA	ng/l	NC	NC							7.15	5.32	7.61	15	2.47 J	6.45
PFPeA	ng/l	NC	NC							6.14	5.63	5.14	26.5	2.36 J	5.07
PFHxA	ng/l	NC	400,000							7.13	7.44	5.25	37.4	1.52 J	4.86
PFHpA	ng/l	NC	NC							1.80 J, Q	2.33 J, Q	2.77 J	6.49	2.83 J	2.86 J
PFOA	ng/l	170	8							5.29	9.51	2.72 J	2.27 J	2.15 J	2.04 J
PFNA	ng/l	NC	6							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFDA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFUnDA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFDoDA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFTrDA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PTeDA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
11CI-PF3OuDS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
9CI-PF3ONS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
ADONA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
HFPO-DA	ng/l	NC	370							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFDS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFBS	ng/l	670,000	420							19.80	16.70	17.80	20.1	16.9	21.6
PFPeS	ng/l	NC	NC							1.35 J	2.16 J	< 1.95	< 1.96	< 1.99	1.33 J
PFHxS	ng/l	NC	51							13.00	36.70	6.10	1.83 J	2.11 J	3.86 J
PFHpS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFOS	ng/l	12	16							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
PFNS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
FOSA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
4:2 FTS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
6:2 FTS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
8:2 FTS	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
NEtFOSAA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
NMeFOSAA	ng/l	NC	NC							< 2.01	< 1.95	< 1.95	< 1.96	< 1.99	< 3.91
Total PFAS	ng/l	NC	NC							61.66	85.79	47.39	109.59	30.34	48.07

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection limit

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis.

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria.

8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)				RI-MW033 13 - 18 ft										
				GW1910100915RAP 10/10/2019	GW2001221440MK 1/22/2020	GW2004150830GSC 4/15/2020	GW2007151730GSC 7/15/2020	GW2010291430CM 10/29/2020	GW2101271100SK 1/27/2021	GW2104071450KEM 4/7/2021	GW2107211735RLF 7/21/2021	GW2110121840RF 10/12/2021	GW2201261055RF 1/26/2022	GW2207121755RF 7/12/2022
Sample Sample Date	Lab Report	1903624	2000165	2000899	2001522	2002372	2102039	2104108	2107214	2110157	2202043	2207128		
Michigan Part 201 Generic Cleanup Criteria														
Compound	Unit	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC	2.43 J	5.68	6.51	3.45 J	1.76 J	<2.03	<2.04	1.11 J	4.29	1.62 J	4.42
PFPeA	ng/l	NC	NC	1.51 J	< 2.02	1.85 J	3.42 J	1.75 J	1.05 J	< 2.04	< 2.10	1.98 J	0.984 J	4.81
PFHxA	ng/l	NC	400,000	1.53 J	1.90 J, Q	5.91	4.71	3.19 J, Q	1.14 J, Q	< 2.04	< 2.10	4.35	1.90 J	8.59
PFHpA	ng/l	NC	NC	< 2.09	1.68 J	3.30 J	4.68	3.62 J	2.09 J	1.15 J	2.11 J, Q	4.5	1.98 J	5.56
PFOA	ng/l	170	8	8.14	10.60	14.00	17.00	19.10	10.40	5.78	10.10	17.2	9.13	13.8
PFNA	ng/l	NC	6	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFUnDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFDoDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFTrDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFTeDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
11CI-PF3Ouds	ng/l	NC	NC	---	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
9CI-PF3ONS	ng/l	NC	NC	---	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
ADONA	ng/l	NC	NC	---	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
HFPO-DA	ng/l	NC	370	---	< 3.02	< 2.96	< 3.07	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFDS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFBS	ng/l	670,000	420	3.35 J	2.61 J	6.11	2.97 J	4.69	3.04 J	4.12	3.53 J	4.53	4.06	3.85 J
PFPeS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	1.36 J, Q
PFHxS	ng/l	NC	51	35.90	26.50	22.80	22.30	39.80	23.60	21.30	32.40	27.9	23.1	28.0
PFHpS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
PFOS	ng/l	12	16	3.86 J	4.96	< 1.98	4.28	5.21	4.11	3.32 J	1.29 J	4.44	5.00	4.28
PFNS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
FOSA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
4:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
6:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
8:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
NEFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
NMeFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	< 2.03	< 2.04	< 2.10	< 1.96	< 1.95	< 3.97
Total PFAS	ng/l	NC	NC	56.72	53.93	60.48	62.81	79.12	45.43	35.67	50.54	69.19	47.77	74.67

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

		Location Well Screen Interval (bgs)		RI-MW033 27.5 - 28.5 ft												
		Sample Sample Date Lab Report		GW2101271130SK 1/27/2021		GW2104071530KEM 4/7/2021		GW2110121835BA 10/12/2021		GW2201261100BA 1/26/2022		GW2207121830RF 7/12/2022				
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria				Result	Result	Result	Result	Result	Result	Result	Result			
		Groundwater	Surface Water	Drinking Water	Interface											
PFBA	ng/l	NC	NC			< 2.03	< 1.99							5.06	4.12	1.25 J
PFPeA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFHxA	ng/l	NC	400,000			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFHpA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFoA	ng/l	170	8			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFNA	ng/l	NC	6			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFDA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFUnDA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFDoDA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PTfDA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFTeDA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
11CI-PF3Ouds	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
9CI-PF3ONS	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
ADONA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
HFPO-DA	ng/l	NC	370			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFDS	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFBS	ng/l	670,000	420			< 2.03	< 1.99							1.37 J	1.61 J	1.13 J
PFPeS	ng/l	NC	NC			< 2.03	< 1.99							1.06 J	< 2.02	1.19 J
PFHxS	ng/l	NC	51			1.43 J	1.28 J							3.14 J	3.72 J	4.02
PFHpS	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFOS	ng/l	12	16			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
PFNS	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
FOSA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
4:2 FTS	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
6:2 FTS	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
8:2 FTS	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
NEFOSAA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
NMeFOSAA	ng/l	NC	NC			< 2.03	< 1.99							< 2.02	< 2.02	< 3.85
Total PFAS	ng/l	NC	NC			1.43	1.28							10.63	9.45	7.59

Footnotes:

1. bgs - Below ground surface
2. ft. = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs) Sample Sample Date Lab Report				RI-MW034 7.5 - 12.5 ft													
				GW2007151800GSC 7/15/2020		GW2101271310SK 1/27/2021	GW2104071330KEM 4/7/2021	GW2107211110MLH 7/21/2021	GW2110140815BA 10/14/2021	GW2201271725RF 1/27/2022							
				2001522		2102039	2104108	2107214	2110158	2202044							
Michigan Part 201 Generic Cleanup Criteria																	
Groundwater Surface Water Interface																	
Drinking Water																	
Compound	Unit			Result	Result	Result	Result	Result	Result	Result							
PFBA	ng/l	NC	NC	1.88 J	2.44 J	1.79 J	2.42 J	< 1.99	< 1.96	< 3.97							
PFPeA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFHxA	ng/l	NC	400,000	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFHpA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFoA	ng/l	170	8	< 2.02	< 2.05	< 2.07	1.15 J	< 1.99	< 1.96	< 3.97							
PFNA	ng/l	NC	6	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFDA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFUnDA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFDoDA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PTFtDA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFTeDA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
11CI-PF3Ouds	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
9CI-PF3ONS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
ADONA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
HFPO-DA	ng/l	NC	370	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFDS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFBS	ng/l	670,000	420	1.79 J	1.64 J	1.29 J	< 1.99	1.24 J	1.02 J	< 3.97							
PFPeS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFHxS	ng/l	NC	51	2.65 J	3.04 J	2.46 J	2.74 J	1.8 J	1.78 J	2.50 J							
PFHpS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
PFOS	ng/l	12	16	3.37 J	1.20 J	1.53 J	< 1.99	1.96 J	1.70 J	3.37 J							
PFNS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
FOSA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
4:2 FTS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
6:2 FTS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
8:2 FTS	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
NETFOSAA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
NMeFOSAA	ng/l	NC	NC	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99	< 1.96	< 3.97							
Total PFAS	ng/l	NC	NC	9.69	8.32	7.07	6.31	5.00	4.50	5.87							

Footnotes:

1. bgs - Below ground surface

2. ft = feet

3. ND - Result below detection limit

4. ng/l - Nanograms per liter

5. < 2.05 - Result below detection limit

6. --- = Analyte not included in analysis.

6. **BOLD** - Analyte above detection

7. **Highlight** - Above one or more criteria.

8. GRAY = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW035 30 - 31 ft					
	Sample Date	Lab Report	GW2104070845KEM 4/7/2021	GW2104070845KEM-FI 4/7/2021	GW2107211215MLH 7/21/2021	GW2110131800RF 10/13/2021	GW2201271640RF 1/27/2022	GW2207131155KN 7/13/2022
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Result	Result	Result	Result	Result	Result
		Groundwater Surface Water Interface	Drinking Water					
PFBA	ng/l	NC	NC					
PFPeA	ng/l	NC	NC					
PFHxA	ng/l	NC	400,000					
PFHpA	ng/l	NC	NC					
PFoA	ng/l	170	8					
PFNA	ng/l	NC	6					
PFDA	ng/l	NC	NC					
PFUnDA	ng/l	NC	NC					
PFDoDA	ng/l	NC	NC					
PFTrDA	ng/l	NC	NC					
PFTeDA	ng/l	NC	NC					
11CI-PF3OuS	ng/l	NC	NC					
9CI-PF3ONS	ng/l	NC	NC					
ADONA	ng/l	NC	NC					
HFPO-DA	ng/l	NC	370					
PFDS	ng/l	NC	NC					
PFBs	ng/l	670,000	420					
PFPeS	ng/l	NC	NC					
PFHxS	ng/l	NC	51					
PFHpS	ng/l	NC	NC					
PFOS	ng/l	12	16					
PFNS	ng/l	NC	NC					
FOSA	ng/l	NC	NC					
4:2 FTS	ng/l	NC	NC					
6:2 FTS	ng/l	NC	NC					
8:2 FTS	ng/l	NC	NC					
NEFOSAA	ng/l	NC	NC					
NMeFOSAA	ng/l	NC	NC					
Total PFAS	ng/l	NC	NC					
				7.54	9.63	45.40	116.78	202.39
								50.81

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Footnotes

- 1. bgs - Below ground surface
 - 2. ft = feet
 - 3. ND - Result below detection limit
 - 4. ng/l - Nanograms per liter
 - 5. < 2.05 - Result below detection limit
 - 6. --- = Analyte not included in analysis.
 - 6. **BOLD** - Analyte above detection
 - 7. **Highlight** - Above one or more criteria.
 - 8. **GRAY** = Not Sampled

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW036 29 - 34 ft									
			Sample Date	Sample Lab Report	GW2110131010RF 10/13/2021		GW2201271420RF 1/27/2022		GW2207130815KN 7/13/2022			
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Groundwater	Surface Water	Drinking Water	Result	Result	Result				
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Groundwater	Surface Water	Drinking Water	Result	Result	Result				
PFBA	ng/l	NC	NC			3.25 J	2.08 J	9.32				
PFPeA	ng/l	NC	NC			1.16 J	1.54 J	4.02				
PFHxA	ng/l	NC	400,000			1.88 J	1.59 J	2.38 J, Q				
PFHpA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
PFOA	ng/l	170	8			< 1.99	< 2.11	< 3.95				
PFNA	ng/l	NC	6			< 1.99	< 2.11	< 3.95				
PFDA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
PFUnDA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
PFDoDA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
PFTrDA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
PTeDA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
11CI-PF30UdS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
9CI-PF30NS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
ADONA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
HFPO-DA	ng/l	NC	370			< 1.99	< 2.11	< 3.95				
PFDS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
PFBS	ng/l	670,000	420			2.47 J	1.76 J	5.26				
PPeS	ng/l	NC	NC			< 1.99	< 2.11	1.14 J				
PFHxS	ng/l	NC	51			1.64 J	< 2.11	6.05				
PFHpS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
PFOS	ng/l	12	16			< 1.99	< 2.11	< 3.95				
PFNS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
FOSA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
4:2 FTS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
6:2 FTS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
8:2 FTS	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
NEFOSAA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
NMeFOSAA	ng/l	NC	NC			< 1.99	< 2.11	< 3.95				
Total PFAS	ng/l	NC	NC			10.40	6.97	28.17				

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.

Table 3
Oscoda Area Monitoring Well Sample Analytical Results
Iosco County, Michigan

Location Well Screen Interval (bgs)			RI-MW036 45 - 46 ft						RI-MW036 55- 56 ft					
			Sample Date	Sample Lab Report	GW2104071035RLF 4/7/2021	GW2107220915RLF 7/22/2021	FD2107220915RLF 7/22/2021	GW2110130925RF 10/13/2021	GW2201271310RF 1/27/2022	GW2207130935KN 7/13/2022	GW2207131040KN 7/13/2022			
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria	Groundwater Surface Water Interface	Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC		1.08 J	1.22 J	1.32 J	1.92 J	< 2.00	4.76	< 3.88	< 3.88	< 3.88	
PFPeA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFHxA	ng/l	NC	400,000		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFHpA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFOA	ng/l	170	8		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFNA	ng/l	NC	6		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFDA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFUnDA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFDoDA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFTrDA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFTeDA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
11CI-PF3OuDS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
9CI-PF3ONS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
ADONA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
HFPO-DA	ng/l	NC	370		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFDS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFBS	ng/l	670,000	420		3.04 J	3.79 J	3.60 J	4.52	5.49	7.24 Q	< 3.88	< 3.88	< 3.88	
PFPeS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFHxS	ng/l	NC	51		1.26 J	1.99 J	2.97 J	2.09 J	2.29 J	4.51	2.43 J			
PFHpS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFOS	ng/l	12	16		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
PFNS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
FOSA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
4:2 FTS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
6:2 FTS	ng/l	NC	NC		< 1.98	1.28 J, Q	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
8:2 FTS	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
NEtFOSAA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
NMeFOSAA	ng/l	NC	NC		< 1.98	< 1.98	< 2.02	< 1.89	< 2.00	< 3.95	< 3.88	< 3.88	< 3.88	
Total PFAS	ng/l	NC	NC		5.38	8.28	7.89	8.53	7.78	16.51				

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. GRAY = Not Sampled

Appendix A – Laboratory Analytical Reports



February 23, 2022

Vista Work Order No. 2202043

Mr. Jeremiah Morse
AECOM
3950 Sparks Drive SE
Grand Rapids, MI 49546

Dear Mr. Morse,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 02, 2022 under your Project Name 'GSU Groundwater Sampling'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2202043**Case Narrative****Sample Condition on Receipt:**

Twenty aqueous samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

Analytical Notes:**PFAS Isotope Dilution Method**

The samples were extracted and analyzed for a selected list of PFAS using Vista's PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2202043-01	GW2201261055RF	26-Jan-22 10:55	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-02	GW2201261100BA	26-Jan-22 11:00	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-03	GW2201261245RF	26-Jan-22 12:45	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-04	GW2201261250BA	26-Jan-22 12:50	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-05	GW2201261345RF	26-Jan-22 13:45	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-06	GW2201261350BA	26-Jan-22 13:50	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-07	GW2201261450RF	26-Jan-22 14:50	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-08	GW2201261510BA	26-Jan-22 15:10	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-09	GW2201261600RF	26-Jan-22 16:00	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-10	FD2201261605RF	26-Jan-22 16:05	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-11	GW2201261620BA	26-Jan-22 16:20	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-12	GW2201261700RF	26-Jan-22 17:00	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-13	GW2201270905BA	27-Jan-22 09:05	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-14	FD2201270905BA	27-Jan-22 09:05	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-15	GW2201271000BA	27-Jan-22 10:00	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-16	GW2201271125BA	27-Jan-22 11:25	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-17	GW2201271215BA	27-Jan-22 12:15	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-18	GW2201271310RF	27-Jan-22 13:10	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-19	EB2201271320RF	27-Jan-22 13:20	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202043-20	GW2201271325BA	27-Jan-22 13:25	02-Feb-22 09:43	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

Vista Project: 2202043

Client Project: GSU Groundwater Sampling

ANALYTICAL RESULTS

Sample ID: Method Blank										PFAS Isotope Dilution Method		
Client Data				Laboratory Data								
Name:	AECOM	Matrix:	Aqueous	Lab Sample:			B22B080-BLK1	Column:	BEH C18			
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
L-PFBA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFPeA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFBs	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-4:2 FTS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFHxA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFPeS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
HFPO-DA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFHxP	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
ADONA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFHxS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Br-PFHxS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Total PFHxS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-6:2 FTS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFOA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Br-PFOA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Total PFOA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFHxP	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFNA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFOSA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFOS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Br-PFOS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Total PFOS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
9Cl-PF3ONS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFDA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-8:2FTS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFNS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-MeFOSAA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Br-MeFOSAA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Total MeFOSAA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-EtFOSAA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Br-EtFOSAA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
Total EtFOSAA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFUuA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFDs	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
11Cl-PF3OUdS	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFDoA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFTrDA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		
L-PFteDA	ND	1.00	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1		

Sample ID: Method Blank
PFAS Isotope Dilution Method
Client Data

Name: AECOM
 Project: GSU Groundwater Sampling

Matrix: Aqueous

Laboratory Data

Lab Sample: B22B080-BLK1 Column: BEH C18

Labeled Standards
Type
% Recovery
Limits
Qualifiers
Batch
Extracted
Samp Size
Analyzed
Dilution

13C3-PFBA	IS	114	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C3-PFPcA	IS	86.9	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C3-PFBS	IS	79.2	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C3-HFPO-DA	IS	61.7	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-4:2 FTS	IS	80.4	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-PFHxA	IS	84.2	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C4-PFHxA	IS	79.9	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C3-PFHxS	IS	85.4	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-6:2 FTS	IS	79.1	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C5-PFNA	IS	78.9	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C8-PFOSA	IS	39.9	10 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-PFOA	IS	73.1	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C8-PFOS	IS	74.4	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-PFDA	IS	89.4	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-8:2 FTS	IS	74.8	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
d3-MeFOSAA	IS	74.3	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-PFUnA	IS	76.1	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
d5-EtFOSAA	IS	71.0	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-PFDaA	IS	72.9	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1
13C2-PFTeDA	IS	72.3	20 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:47	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22B080-BS1			Column:	BEH C18		
Analyte		Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA		42.7	40.0	107	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFPeA		41.7	40.0	104	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFBS		44.7	40.0	112	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-4:2 FTS		41.2	40.0	103	60 - 145		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFHxA		42.7	40.0	107	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFPeS		46.0	40.0	115	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
HFPO-DA		47.3	40.0	118	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFHxA		39.3	40.0	98.3	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
ADONA		40.9	40.0	102	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
Total PFHxS		39.7	40.0	99.2	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-6:2 FTS		50.3	40.0	126	60 - 140		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
Total PFOA		47.1	40.0	118	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFHxA		42.9	40.0	107	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFNA		42.2	40.0	105	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFOSA		43.8	40.0	109	65 - 140		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
Total PFOS		41.5	40.0	104	65 - 140		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
9Cl-PF3ONS		45.3	40.0	113	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFDA		43.8	40.0	110	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-8:2FTS		41.1	40.0	103	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFNS		42.8	40.0	107	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
Total MeFOSAA		40.9	40.0	102	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
Total EtFOSAA		44.4	40.0	111	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFUnA		43.9	40.0	110	65 - 140		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFDS		40.0	40.0	99.9	50 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
11Cl-PF3OUdS		44.2	40.0	111	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFDaA		39.7	40.0	99.4	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFTrDA		42.8	40.0	107	60 - 140		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
L-PFTeDA		49.9	40.0	125	65 - 135		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
Labeled Standards		Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA		IS	108	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1	
13C3-PFPeA		IS	82.9	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1	
13C3-PFBS		IS	74.1	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1	
13C3-HFPO-DA		IS	58.4	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1	
13C2-4:2 FTS		IS	73.1	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1	
13C2-PFHxA		IS	77.9	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1	

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22B080-BS1		Column:	BEH C18		
Project:	GSU Groundwater Sampling									

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFHpA	IS	77.0	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C3-PFHxS	IS	82.5	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C2-6:2 FTS	IS	76.8	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C5-PFNA	IS	79.3	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C8-PFOSA	IS	41.1	10 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C2-PFOA	IS	74.2	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C8-PFOS	IS	74.7	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C2-PFDA	IS	84.4	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C2-8:2 FTS	IS	81.4	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
d3-MeFOSAA	IS	73.0	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C2-PFUnA	IS	73.8	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
d5-EtFOSAA	IS	63.9	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C2-PFDaA	IS	72.5	25 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1
13C2-PFTeDA	IS	67.5	20 - 150		B22B080	14-Feb-22	0.250 L	15-Feb-22 19:57	1

Sample ID: GW2201261055RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 10:55	Lab Sample:	2202043-01	Column:	BEH C18				
Location:	GSU Groundwater Sampling RI-MW033 (13-18)	Date Received:	02-Feb-22 09:43										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.62	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFPeA	0.984	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFBs	4.06	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-4:2 FTS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFHxA	1.90	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFPeS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
HFPO-DA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFHpA	1.98	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
ADONA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFHxS	21.0	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Br-PFHxS	2.16	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Total PFHxS	23.1	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-6:2 FTS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFOA	7.69	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Br-PFOA	1.45	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Total PFOA	9.13	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFHpS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFNA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFOSA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFOS	2.04	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Br-PFOS	2.97	0.973	1.95	3.89	J	B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Total PFOS	5.00	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
9Cl-PF3ONS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFDA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-8:2FTS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFNS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-MeFOSAA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Br-MeFOSAA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Total MeFOSAA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-EtFOSAA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Br-EtFOSAA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
Total EtFOSAA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFUuN	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFDs	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
11Cl-PF3OUdS	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFDsA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			
L-PFTrDA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1			

Sample ID: GW2201261055RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-01</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>26-Jan-22 10:55</td><th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-01</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>26-Jan-22 10:55</td> <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Lab Sample:	2202043-01	Column:	BEH C18	Date Collected:	26-Jan-22 10:55	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.973	1.95	3.89		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	107	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C3-PFPeA	IS	82.2	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C3-PFBS	IS	74.7	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C3-HFPO-DA	IS	63.6	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-4:2 FTS	IS	76.0	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-PFHxA	IS	77.8	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C4-PFHxA	IS	76.6	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C3-PFHxS	IS	75.8	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-6:2 FTS	IS	78.8	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C5-PFNA	IS	79.3	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C8-PFOSA	IS	57.5	10 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-PFOA	IS	76.6	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C8-PFOS	IS	72.5	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-PFDA	IS	74.5	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-8:2 FTS	IS	70.1	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
d3-MeFOSAA	IS	76.1	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-PFUnA	IS	70.9	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
d5-EtFOSAA	IS	72.0	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-PFDaO	IS	67.4	25 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		
13C2-PFTeDA	IS	71.5	20 - 150		B22B080	14-Feb-22	0.257 L	15-Feb-22 20:08	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201261100BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 11:00 <th>Lab Sample:</th> <td>2202043-02</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-02	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	4.12	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFPeA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFBs	1.61	1.01	2.02	4.04	J	B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-4:2 FTS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFHxA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFPeS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
HFPO-DA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFHpA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
ADONA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFHxS	2.93	1.01	2.02	4.04	J	B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Br-PFHxS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Total PFHxS	3.72	1.01	2.02	4.04	J	B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-6:2 FTS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFOA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Br-PFOA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Total PFOA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFHpS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFNA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFOSA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFOS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Br-PFOS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Total PFOS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
9Cl-PF3ONS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFDA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-8:2FTS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFNS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-MeFOSAA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Br-MeFOSAA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Total MeFOSAA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-EtFOSAA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Br-EtFOSAA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
Total EtFOSAA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFUuN	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFDs	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
11Cl-PF3OUdS	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFDsA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			
L-PFTrDA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1			

Sample ID: GW2201261100BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-02</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>26-Jan-22 11:00</td><th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-02</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>26-Jan-22 11:00</td> <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Lab Sample:	2202043-02	Column:	BEH C18	Date Collected:	26-Jan-22 11:00	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.01	2.02	4.04		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	111	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C3-PFPeA	IS	87.0	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C3-PFBS	IS	81.6	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C3-HFPO-DA	IS	68.2	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-4:2 FTS	IS	72.9	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-PFHxA	IS	80.6	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C4-PFHxA	IS	80.6	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C3-PFHxS	IS	78.2	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-6:2 FTS	IS	76.6	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C5-PFNA	IS	80.5	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C8-PFOSA	IS	58.8	10 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-PFOA	IS	80.3	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C8-PFOS	IS	77.3	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-PFDA	IS	86.9	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-8:2 FTS	IS	70.7	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
d3-MeFOSAA	IS	78.2	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-PFUnA	IS	79.9	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
d5-EtFOSAA	IS	77.9	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-PFDaA	IS	75.8	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		
13C2-PFTeDA	IS	73.3	20 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 20:18	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201261245RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 12:45 <th>Lab Sample:</th> <td>2202043-03</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-03	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	15.2	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFPeA	4.21	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFBs	192	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-4:2 FTS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFHxA	3.69	0.987	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFPeS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
HFPO-DA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFHpA	2.56	0.987	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
ADONA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFHxS	2.68	0.987	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Br-PFHxS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Total PFHxS	3.06	0.987	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-6:2 FTS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFOA	5.46	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Br-PFOA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Total PFOA	5.84	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFHpS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFNA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFOSA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFOS	8.74	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Br-PFOS	6.19	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Total PFOS	14.9	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
9Cl-PF3ONS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFDA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-8:2FTS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFNS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-MeFOSAA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Br-MeFOSAA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Total MeFOSAA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-EtFOSAA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Br-EtFOSAA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Total EtFOSAA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFUuN	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFDs	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
11Cl-PF3OUdS	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFDsA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
L-PFTrDA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			

Sample ID: GW2201261245RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous <th>Date Collected:</th> <td>26-Jan-22 12:45<th>Lab Sample:</th><td>2202043-03</td><th>Column:</th><td>BEH C18</td><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Collected:	26-Jan-22 12:45 <th>Lab Sample:</th> <td>2202043-03</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-03	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFTeDA	ND	0.987	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBA	IS	119	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C3-PFPeA	IS	86.3	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C3-PFBS	IS	80.6	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C3-HFPO-DA	IS	66.0	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-4:2 FTS	IS	75.1	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-PFHxA	IS	85.1	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C4-PFHxA	IS	81.9	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C3-PFHxS	IS	82.8	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-6:2 FTS	IS	80.4	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C5-PFNA	IS	84.3	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C8-PFOSA	IS	64.9	10 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-PFOA	IS	78.8	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C8-PFOS	IS	77.8	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-PFDA	IS	90.5	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-8:2 FTS	IS	72.7	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
d3-MeFOSAA	IS	79.6	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-PFUnA	IS	77.7	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
d5-EtFOSAA	IS	73.5	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-PFDaO	IS	79.5	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			
13C2-PFTeDA	IS	76.4	20 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 20:29	1			

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201261250BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	2202043-04	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	26-Jan-22 12:50	Date Received:	02-Feb-22 09:43						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFBA	3.82	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFPeA	6.32	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFBs	7.44	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-4:2 FTS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFHxA	7.75	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFPeS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
HFPO-DA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFHpA	3.51	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
ADONA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFHxS	9.78	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Br-PFHxS	1.29	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Total PFHxS	11.1	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-6:2 FTS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFOA	15.8	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Br-PFOA	1.34	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Total PFOA	17.2	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFHpS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFNA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFOSA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFOS	2.59	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Br-PFOS	1.24	1.02	2.03	4.07	J, Q	B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Total PFOS	3.84	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
9Cl-PF3ONS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFDA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-8:2FTS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFNS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-MeFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Br-MeFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Total MeFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-EtFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Br-EtFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Total EtFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFUa	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFDs	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
11Cl-PF3OUdS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFDa	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
L-PFTrDA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	

Sample ID: GW2201261250BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-04</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>26-Jan-22 12:50</td><th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-04</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>26-Jan-22 12:50</td> <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Lab Sample:	2202043-04	Column:	BEH C18	Date Collected:	26-Jan-22 12:50	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	108	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C3-PFPeA	IS	83.4	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C3-PFBS	IS	78.5	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C3-HFPO-DA	IS	69.5	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-4:2 FTS	IS	81.3	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-PFHxA	IS	80.0	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C4-PFHxA	IS	83.0	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C3-PFHxS	IS	80.9	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-6:2 FTS	IS	74.7	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C5-PFNA	IS	81.7	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C8-PFOSA	IS	54.6	10 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-PFOA	IS	76.4	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C8-PFOS	IS	79.4	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-PFDA	IS	81.1	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-8:2 FTS	IS	83.0	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
d3-MeFOSAA	IS	80.7	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-PFUnA	IS	80.7	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
d5-EtFOSAA	IS	76.8	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-PFDaO	IS	79.0	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		
13C2-PFTeDA	IS	75.2	20 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 20:39	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201261345RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 13:45 <th>Lab Sample:</th> <td>2202043-05</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-05	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.20	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFPeA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFBs	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-4:2 FTS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFHxA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFPeS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
HFPO-DA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFHxA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
ADONA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFHxS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Br-PFHxS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Total PFHxS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-6:2 FTS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFOA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Br-PFOA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Total PFOA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFHxS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFNA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFOSA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFOS	24.5	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Br-PFOS	8.78	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Total PFOS	33.3	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
9Cl-PF3ONS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFDA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-8:2FTS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFNS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-MeFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Br-MeFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Total MeFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-EtFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Br-EtFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
Total EtFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFUuN	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFDs	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
11Cl-PF3OUdS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFDsA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			
L-PFTrDA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1			

Sample ID: GW2201261345RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-05</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-05	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	26-Jan-22 13:45 <th>Date Received:</th> <td>02-Feb-22 09:43<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	02-Feb-22 09:43 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	113	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C3-PFPeA	IS	84.0	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C3-PFBS	IS	80.9	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C3-HFPO-DA	IS	68.6	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-4:2 FTS	IS	72.9	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-PFHxA	IS	78.7	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C4-PFHxA	IS	81.5	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C3-PFHxS	IS	78.2	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-6:2 FTS	IS	76.1	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C5-PFNA	IS	84.1	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C8-PFOSA	IS	61.9	10 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-PFOA	IS	79.3	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C8-PFOS	IS	72.6	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-PFDA	IS	86.0	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-8:2 FTS	IS	79.6	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
d3-MeFOSAA	IS	83.5	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-PFUnA	IS	80.5	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
d5-EtFOSAA	IS	74.2	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-PFDaO	IS	73.4	25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	
13C2-PFTeDA	IS	74.8	20 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 20:50	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201261350BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 13:50 <th>Lab Sample:</th> <td>2202043-06</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-06	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.94	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFPeA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFBs	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-4:2 FTS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFHxA	1.70	1.02	2.03	4.07	J, Q	B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFPeS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
HFPO-DA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFHpA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
ADONA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFHxS	2.80	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Br-PFHxS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Total PFHxS	3.28	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-6:2 FTS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFOA	1.59	1.02	2.03	4.07	J, Q	B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Br-PFOA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Total PFOA	1.59	1.02	2.03	4.07	J	B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFHpS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFNA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFOSA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFOS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Br-PFOS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Total PFOS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
9Cl-PF3ONS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFDA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-8:2FTS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFNS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-MeFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Br-MeFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Total MeFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-EtFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Br-EtFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
Total EtFOSAA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFUuN	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFDs	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
11Cl-PF3OUdS	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFDsA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			
L-PFTrDA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1			

Sample ID: GW2201261350BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-06</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>26-Jan-22 13:50<th>Date Received:</th><td>02-Feb-22 09:43</td></td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-06</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>26-Jan-22 13:50<th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Lab Sample:	2202043-06	Column:	BEH C18	Date Collected:	26-Jan-22 13:50 <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.02	2.03	4.07		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	105	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C3-PFPeA	IS	84.3	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C3-PFBS	IS	77.7	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C3-HFPO-DA	IS	73.5	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-4:2 FTS	IS	76.4	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-PFHxA	IS	74.7	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C4-PFHxA	IS	79.2	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C3-PFHxS	IS	75.0	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-6:2 FTS	IS	69.8	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C5-PFNA	IS	78.5	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C8-PFOSA	IS	57.2	10 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-PFOA	IS	75.8	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C8-PFOS	IS	75.8	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-PFDA	IS	86.4	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-8:2 FTS	IS	72.8	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
d3-MeFOSAA	IS	81.4	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-PFUnA	IS	64.6	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
d5-EtFOSAA	IS	71.4	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-PFDmA	IS	75.0	25 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		
13C2-PFTeDA	IS	67.4	20 - 150		B22B080	14-Feb-22	0.246 L	15-Feb-22 21:00	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201261450RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 14:50 <th>Lab Sample:</th> <td>2202043-07</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-07	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	17.9	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFPeA	17.7	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFBs	390	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-4:2 FTS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFHxA	11.7	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFPeS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
HFPO-DA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFHpA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
ADONA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFHxS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Br-PFHxS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Total PFHxS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-6:2 FTS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFOA	2.29	0.982	1.96	3.93	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Br-PFOA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Total PFOA	2.29	0.982	1.96	3.93	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFHpS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFNA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFOSA	20.4	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFOS	12.4	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Br-PFOS	2.63	0.982	1.96	3.93	J, Q	B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Total PFOS	15.0	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
9Cl-PF3ONS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFDA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-8:2FTS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFNS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-MeFOSAA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Br-MeFOSAA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Total MeFOSAA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-EtFOSAA	1.41	0.982	1.96	3.93	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Br-EtFOSAA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
Total EtFOSAA	2.07	0.982	1.96	3.93	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFUuN	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFDs	2.40	0.982	1.96	3.93	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
11Cl-PF3OUdS	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFDsA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			
L-PFTrDA	ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1			

Sample ID: GW2201261450RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 14:50 <th>Lab Sample:</th> <td>2202043-07</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-07	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43										
Analyte		Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
L-PFTeDA		ND	0.982	1.96	3.93		B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
Labeled Standards	Type	% Recovery		Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	102		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C3-PFPeA	IS	80.0		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C3-PFBS	IS	74.2		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C3-HFPO-DA	IS	58.2		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-4:2 FTS	IS	69.0		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-PFHxA	IS	75.5		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C4-PFHxA	IS	74.5		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C3-PFHxS	IS	77.3		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-6:2 FTS	IS	82.0		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C5-PFNA	IS	77.8		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C8-PFOSA	IS	56.3		10 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-PFOA	IS	78.6		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C8-PFOS	IS	67.8		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-PFDA	IS	78.8		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-8:2 FTS	IS	72.1		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
d3-MeFOSAA	IS	75.7		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-PFUnA	IS	74.9		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
d5-EtFOSAA	IS	71.8		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-PFDaA	IS	70.0		25 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		
13C2-PFTeDA	IS	69.5		20 - 150			B22B080	14-Feb-22	0.255 L	15-Feb-22 21:11	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201261510BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 15:10 <th>Lab Sample:</th> <td>2202043-08</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-08	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.23	0.976	1.95	3.91	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFPeA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFBs	1.25	0.976	1.95	3.91	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-4:2 FTS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFHxA	1.79	0.976	1.95	3.91	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFPeS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
HFPO-DA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFHpA	1.04	0.976	1.95	3.91	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
ADONA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFHxS	8.34	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Br-PFHxS	1.42	0.976	1.95	3.91	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Total PFHxS	9.77	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-6:2 FTS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFOA	4.56	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Br-PFOA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Total PFOA	4.65	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFHpS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFNA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFOSA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFOS	46.6	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Br-PFOS	12.6	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Total PFOS	59.2	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
9Cl-PF3ONS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFDA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-8:2FTS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFNS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-MeFOSAA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Br-MeFOSAA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Total MeFOSAA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-EtFOSAA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Br-EtFOSAA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
Total EtFOSAA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFUuN	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFDs	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
11Cl-PF3OUdS	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFDsA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			
L-PFTrDA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1			

Sample ID: GW2201261510BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-08</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>26-Jan-22 15:10<th>Date Received:</th><td>02-Feb-22 09:43</td></td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-08</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>26-Jan-22 15:10<th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Lab Sample:	2202043-08	Column:	BEH C18	Date Collected:	26-Jan-22 15:10 <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.976	1.95	3.91		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	112	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C3-PFPeA	IS	84.1	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C3-PFBS	IS	77.6	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C3-HFPO-DA	IS	71.0	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-4:2 FTS	IS	76.0	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-PFHxA	IS	83.6	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C4-PFHxA	IS	78.5	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C3-PFHxS	IS	80.8	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-6:2 FTS	IS	74.6	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C5-PFNA	IS	76.8	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C8-PFOSA	IS	60.1	10 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-PFOA	IS	79.0	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C8-PFOS	IS	72.0	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-PFDA	IS	85.1	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-8:2 FTS	IS	80.8	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
d3-MeFOSAA	IS	79.9	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-PFUnA	IS	77.4	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
d5-EtFOSAA	IS	74.5	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-PFDaA	IS	80.8	25 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		
13C2-PFTeDA	IS	71.8	20 - 150		B22B080	14-Feb-22	0.256 L	15-Feb-22 21:21	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201261600RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 16:00 <th>Lab Sample:</th> <td>2202043-09</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-09	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFPeA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFBs	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-4:2 FTS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFHxA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFPeS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
HFPO-DA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFHpA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
ADONA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFHxS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Br-PFHxS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Total PFHxS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-6:2 FTS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFOA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Br-PFOA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Total PFOA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFHpS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFNA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFOSA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFOS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Br-PFOS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Total PFOS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
9Cl-PF3ONS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFDA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-8:2FTS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFNS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-MeFOSAA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Br-MeFOSAA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Total MeFOSAA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-EtFOSAA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Br-EtFOSAA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
Total EtFOSAA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFUuN	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFDs	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
11Cl-PF3OUdS	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFDsA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			
L-PFTrDA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1			

Sample ID: GW2201261600RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-09</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>26-Jan-22 16:00<th>Date Received:</th><td>02-Feb-22 09:43</td></td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-09</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>26-Jan-22 16:00<th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Lab Sample:	2202043-09	Column:	BEH C18	Date Collected:	26-Jan-22 16:00 <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.01	2.02	4.06		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	114	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C3-PFPeA	IS	87.3	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C3-PFBS	IS	82.4	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C3-HFPO-DA	IS	76.1	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-4:2 FTS	IS	77.9	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-PFHxA	IS	82.1	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C4-PFHxA	IS	83.5	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C3-PFHxS	IS	86.2	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-6:2 FTS	IS	81.0	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C5-PFNA	IS	74.1	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C8-PFOSA	IS	59.4	10 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-PFOA	IS	85.1	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C8-PFOS	IS	81.4	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-PFDA	IS	82.4	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-8:2 FTS	IS	83.9	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
d3-MeFOSAA	IS	77.1	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-PFUnA	IS	81.6	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
d5-EtFOSAA	IS	75.6	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-PFDaA	IS	80.3	25 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		
13C2-PFTeDA	IS	75.1	20 - 150		B22B080	14-Feb-22	0.247 L	15-Feb-22 21:32	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: FD2201261605RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 16:05 <th>Lab Sample:</th> <td>2202043-10</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-10	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFPeA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFBs	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-4:2 FTS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFHxA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFPeS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
HFPO-DA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFHxA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
ADONA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFHxS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Br-PFHxS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Total PFHxS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-6:2 FTS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFOA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Br-PFOA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Total PFOA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFHxS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFNA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFOSA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFOS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Br-PFOS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Total PFOS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
9Cl-PF3ONS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFDA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-8:2FTS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFNS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-MeFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Br-MeFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Total MeFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-EtFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Br-EtFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
Total EtFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFUuN	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFDs	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
11Cl-PF3OUdS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFDsA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			
L-PFTrDA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1			

Sample ID: FD2201261605RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-10</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-10</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-10	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	26-Jan-22 16:05 <th>Date Received:</th> <td>02-Feb-22 09:43</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Date Received:	02-Feb-22 09:43						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	116	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C3-PFPeA	IS	87.3	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C3-PFBS	IS	81.2	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C3-HFPO-DA	IS	71.2	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-4:2 FTS	IS	75.6	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-PFHxA	IS	85.7	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C4-PFHxA	IS	80.8	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C3-PFHxS	IS	82.2	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-6:2 FTS	IS	79.3	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C5-PFNA	IS	83.8	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C8-PFOSA	IS	57.7	10 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-PFOA	IS	83.5	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C8-PFOS	IS	79.8	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-PFDA	IS	89.5	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-8:2 FTS	IS	80.6	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
d3-MeFOSAA	IS	79.5	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-PFUnA	IS	75.4	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
d5-EtFOSAA	IS	72.6	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-PFDmA	IS	82.6	25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	
13C2-PFTeDA	IS	78.1	20 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 21:43	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201261620BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 16:20 <th>Lab Sample:</th> <td>2202043-11</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-11	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.24	1.00	2.01	4.01	J	B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFPeA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFBs	1.36	1.00	2.01	4.01	J	B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-4:2 FTS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFHxA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFPeS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
HFPO-DA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFHpA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
ADONA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFHxS	9.65	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Br-PFHxS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Total PFHxS	10.5	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-6:2 FTS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFOA	2.23	1.00	2.01	4.01	J	B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Br-PFOA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Total PFOA	2.23	1.00	2.01	4.01	J	B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFHpS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFNA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFOSA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFOS	3.21	1.00	2.01	4.01	J	B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Br-PFOS	4.35	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Total PFOS	7.56	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
9Cl-PF3ONS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFDA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-8:2FTS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFNS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-MeFOSAA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Br-MeFOSAA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Total MeFOSAA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-EtFOSAA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Br-EtFOSAA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
Total EtFOSAA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFUuN	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFDs	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
11Cl-PF3OUdS	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFDsA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			
L-PFTrDA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1			

Sample ID: GW2201261620BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 16:20 <th>Lab Sample:</th> <td>2202043-11</td> <th>Column:</th> <td>BEH C18</td> <td></td> <td></td>	Lab Sample:	2202043-11	Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43								
Location:	DEQ-CR-MW006										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.00	2.01	4.01		B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	114	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C3-PFPeA	IS	87.3	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C3-PFBS	IS	79.2	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C3-HFPO-DA	IS	64.2	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-4:2 FTS	IS	71.2	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-PFHxA	IS	81.2	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C4-PFHxA	IS	81.1	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C3-PFHxS	IS	85.4	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-6:2 FTS	IS	81.3	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C5-PFNA	IS	78.0	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C8-PFOSA	IS	61.7	10 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-PFOA	IS	82.3	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C8-PFOS	IS	75.5	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-PFDA	IS	93.3	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-8:2 FTS	IS	77.2	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
d3-MeFOSAA	IS	79.1	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-PFUnA	IS	80.7	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
d5-EtFOSAA	IS	78.4	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-PFDaA	IS	77.6	25 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	
13C2-PFTeDA	IS	75.3	20 - 150			B22B080	14-Feb-22	0.249 L	15-Feb-22 22:25	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201261700RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	26-Jan-22 17:00 <th>Lab Sample:</th> <td>2202043-12</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-12	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.04	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFPeA	2.24	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFBs	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-4:2 FTS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFHxA	2.71	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFPeS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
HFPO-DA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFHpA	1.69	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
ADONA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFHxS	1.21	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Br-PFHxS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Total PFHxS	1.21	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-6:2 FTS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFOA	3.02	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Br-PFOA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Total PFOA	3.24	0.981	1.96	3.92	J	B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFHpS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFNA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFOSA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFOS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Br-PFOS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Total PFOS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
9Cl-PF3ONS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFDA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-8:2FTS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFNS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-MeFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Br-MeFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Total MeFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-EtFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Br-EtFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
Total EtFOSAA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFUuN	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFDs	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
11Cl-PF3OUdS	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFDsA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			
L-PFTrDA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1			

Sample ID: GW2201261700RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-12</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>26-Jan-22 17:00</td><th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-12</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>26-Jan-22 17:00</td> <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Lab Sample:	2202043-12	Column:	BEH C18	Date Collected:	26-Jan-22 17:00	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.981	1.96	3.92		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	102	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C3-PFPeA	IS	80.5	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C3-PFBS	IS	75.5	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C3-HFPO-DA	IS	69.3	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-4:2 FTS	IS	69.5	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-PFHxA	IS	77.4	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C4-PFHxA	IS	72.2	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C3-PFHxS	IS	74.8	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-6:2 FTS	IS	76.6	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C5-PFNA	IS	67.2	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C8-PFOSA	IS	58.4	10 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-PFOA	IS	77.4	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C8-PFOS	IS	70.1	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-PFDA	IS	82.9	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-8:2 FTS	IS	69.2	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
d3-MeFOSAA	IS	72.9	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-PFUnA	IS	73.6	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
d5-EtFOSAA	IS	68.5	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-PFDaO	IS	74.8	25 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		
13C2-PFTeDA	IS	71.6	20 - 150		B22B080	14-Feb-22	0.255 L	15-Feb-22 22:35	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201270905BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 09:05 <th>Lab Sample:</th> <td>2202043-13</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-13	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	2.43	1.04	2.07	4.15	J	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFPeA	1.43	1.04	2.07	4.15	J	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFBs	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-4:2 FTS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFHxA	1.52	1.04	2.07	4.15	J	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFPeS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
HFPO-DA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFHpA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
ADONA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFHxS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Br-PFHxS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Total PFHxS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-6:2 FTS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFOA	1.16	1.04	2.07	4.15	J	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Br-PFOA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Total PFOA	1.16	1.04	2.07	4.15	J	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFHpS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFNA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFOSA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFOS	1.09	1.04	2.07	4.15	J, Q	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Br-PFOS	1.63	1.04	2.07	4.15	J	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Total PFOS	2.72	1.04	2.07	4.15	J	B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
9Cl-PF3ONS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFDA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-8:2FTS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFNS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-MeFOSAA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Br-MeFOSAA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Total MeFOSAA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-EtFOSAA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Br-EtFOSAA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
Total EtFOSAA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFUuN	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFDs	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
11Cl-PF3OUdS	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFDsA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			
L-PFTrDA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1			

Sample ID: GW2201270905BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-13</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>27-Jan-22 09:05<th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Lab Sample:	2202043-13	Column:	BEH C18	Date Collected:	27-Jan-22 09:05 <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.04	2.07	4.15		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	106	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C3-PFPeA	IS	82.4	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C3-PFBS	IS	77.2	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C3-HFPO-DA	IS	73.8	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-4:2 FTS	IS	75.1	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-PFHxA	IS	78.6	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C4-PFHxA	IS	78.2	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C3-PFHxS	IS	80.7	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-6:2 FTS	IS	78.4	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C5-PFNA	IS	75.5	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C8-PFOSA	IS	57.2	10 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-PFOA	IS	79.4	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C8-PFOS	IS	74.6	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-PFDA	IS	81.4	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-8:2 FTS	IS	59.0	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
d3-MeFOSAA	IS	76.8	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-PFUnA	IS	76.3	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
d5-EtFOSAA	IS	72.7	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-PFDaA	IS	74.3	25 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		
13C2-PFTeDA	IS	70.3	20 - 150		B22B080	14-Feb-22	0.241 L	15-Feb-22 22:46	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

PFAS Isotope Dilution Method										
Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Aqueous	Lab Sample: 2202043-14						
Project:	GSU Groundwater Sampling	Date Collected:	27-Jan-22 09:05	Date Received: 02-Feb-22 09:43						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	2.72	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFPeA	1.06	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFBs	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-4:2 FTS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFHxA	2.18	0.998	1.99	3.99	J, Q	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFPeS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
HFPO-DA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFHxA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
ADONA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFHxS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Br-PFHxS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Total PFHxS	1.16	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-6:2 FTS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFOA	1.53	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Br-PFOA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Total PFOA	1.53	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFHxS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFNA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFOSA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFOS	1.54	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Br-PFOS	1.71	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Total PFOS	3.25	0.998	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
9Cl-PF3ONS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFDA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-8:2FTS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFNS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-MeFOSAA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Br-MeFOSAA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Total MeFOSAA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-EtFOSAA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Br-EtFOSAA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
Total EtFOSAA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFUuN	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFDs	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
11Cl-PF3OUdS	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFDsA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1
L-PFTrDA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1

Sample ID: FD2201270905BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-14</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-14</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-14	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	27-Jan-22 09:05 <th>Date Received:</th> <td>02-Feb-22 09:43<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	02-Feb-22 09:43 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.998	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	103	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C3-PFPeA	IS	85.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C3-PFBS	IS	77.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C3-HFPO-DA	IS	76.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-4:2 FTS	IS	78.5	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-PFHxA	IS	79.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C4-PFHxA	IS	77.2	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C3-PFHxS	IS	77.7	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-6:2 FTS	IS	77.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C5-PFNA	IS	79.0	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C8-PFOSA	IS	62.0	10 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-PFOA	IS	80.9	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C8-PFOS	IS	77.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-PFDA	IS	85.4	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-8:2 FTS	IS	79.4	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
d3-MeFOSAA	IS	77.7	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-PFUnA	IS	77.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
d5-EtFOSAA	IS	73.5	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-PFDaO	IS	74.0	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	
13C2-PFTeDA	IS	72.6	20 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 22:56	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201271000BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous <th>Date Collected:</th> <td>27-Jan-22 10:00<th>Lab Sample:</th><td>2202043-15</td><th>Column:</th><td>BEH C18</td><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Collected:	27-Jan-22 10:00 <th>Lab Sample:</th> <td>2202043-15</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-15	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	4.22	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFPeA	1.15	1.03	2.05	4.11	J	B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFBs	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-4:2 FTS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFHxA	1.16	1.03	2.05	4.11	J	B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFPeS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
HFPO-DA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFHxA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
ADONA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFHxS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Br-PFHxS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Total PFHxS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-6:2 FTS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFOA	1.23	1.03	2.05	4.11	J	B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Br-PFOA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Total PFOA	1.23	1.03	2.05	4.11	J	B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFHxS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFNA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFOSA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFOS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Br-PFOS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Total PFOS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
9Cl-PF3ONS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFDA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-8:2FTS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFNS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-MeFOSAA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Br-MeFOSAA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Total MeFOSAA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-EtFOSAA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Br-EtFOSAA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
Total EtFOSAA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFUuN	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFDs	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
11Cl-PF3OUdS	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFDsA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			
L-PFTrDA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1			

Sample ID: GW2201271000BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-15</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>27-Jan-22 10:00</td><th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-15</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>27-Jan-22 10:00</td> <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Lab Sample:	2202043-15	Column:	BEH C18	Date Collected:	27-Jan-22 10:00	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.03	2.05	4.11		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	114	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C3-PFPeA	IS	85.8	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C3-PFBS	IS	80.3	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C3-HFPO-DA	IS	74.5	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-4:2 FTS	IS	75.8	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-PFHxA	IS	82.6	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C4-PFHxA	IS	80.3	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C3-PFHxS	IS	82.4	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-6:2 FTS	IS	81.9	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C5-PFNA	IS	80.9	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C8-PFOSA	IS	59.1	10 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-PFOA	IS	80.1	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C8-PFOS	IS	79.6	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-PFDA	IS	92.0	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-8:2 FTS	IS	82.3	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
d3-MeFOSAA	IS	78.4	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-PFUnA	IS	82.4	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
d5-EtFOSAA	IS	76.1	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-PFDmA	IS	80.4	25 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		
13C2-PFTeDA	IS	75.3	20 - 150		B22B080	14-Feb-22	0.244 L	15-Feb-22 23:07	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201271125BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 11:25 <th>Lab Sample:</th> <td>2202043-16</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-16	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.43	0.989	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFPeA	1.48	0.989	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFBs	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-4:2 FTS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFHxA	2.37	0.989	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFPeS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
HFPO-DA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFHpA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
ADONA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFHxS	5.47	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Br-PFHxS	1.20	0.989	1.98	3.95	J	B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Total PFHxS	6.67	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-6:2 FTS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFOA	4.21	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Br-PFOA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Total PFOA	4.66	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFHpS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFNA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFOSA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFOS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Br-PFOS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Total PFOS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
9Cl-PF3ONS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFDA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-8:2FTS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFNS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-MeFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Br-MeFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Total MeFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-EtFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Br-EtFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
Total EtFOSAA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFUuN	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFDs	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
11Cl-PF3OUdS	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFDsA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			
L-PFTrDA	ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1			

Sample ID: GW2201271125BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 11:25 <th>Lab Sample:</th> <td>2202043-16</td> <th>Column:</th> <td>BEH C18</td> <td></td> <td></td>	Lab Sample:	2202043-16	Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43								
Location:	RI-MW008 (18-19)										
Analyte		Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTeDA		ND	0.989	1.98	3.95		B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
Labeled Standards	Type	% Recovery		Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	111		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C3-PFPeA	IS	87.6		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C3-PFBS	IS	79.5		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C3-HFPO-DA	IS	73.2		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-4:2 FTS	IS	78.0		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-PFHxA	IS	82.4		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C4-PFHxA	IS	80.7		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C3-PFHxS	IS	85.0		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-6:2 FTS	IS	81.9		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C5-PFNA	IS	84.2		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C8-PFOSA	IS	63.7		10 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-PFOA	IS	81.6		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C8-PFOS	IS	80.9		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-PFDA	IS	87.1		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-8:2 FTS	IS	79.9		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
d3-MeFOSAA	IS	77.7		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-PFUnA	IS	75.9		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
d5-EtFOSAA	IS	70.6		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-PFDaA	IS	75.9		25 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1
13C2-PFTeDA	IS	74.5		20 - 150			B22B080	14-Feb-22	0.253 L	15-Feb-22 23:17	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201271215BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 12:15 <th>Lab Sample:</th> <td>2202043-17</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-17	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFPeA	1.68	0.975	1.95	3.90	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFBs	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-4:2 FTS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFHxA	3.48	0.975	1.95	3.90	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFPeS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
HFPO-DA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFHpA	2.25	0.975	1.95	3.90	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
ADONA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFHxS	5.77	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Br-PFHxS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Total PFHxS	6.66	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-6:2 FTS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFOA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Br-PFOA	1.21	0.975	1.95	3.90	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Total PFOA	1.90	0.975	1.95	3.90	J	B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFHpS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFNA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFOSA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFOS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Br-PFOS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Total PFOS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
9Cl-PF3ONS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFDA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-8:2FTS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFNS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-MeFOSAA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Br-MeFOSAA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Total MeFOSAA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-EtFOSAA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Br-EtFOSAA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
Total EtFOSAA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFUuN	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFDs	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
11Cl-PF3OUdS	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFDsA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			
L-PFTrDA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1			

Sample ID: GW2201271215BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 12:15 <th>Lab Sample:</th> <td>2202043-17</td> <th>Column:</th> <td>BEH C18</td> <td></td> <td></td>	Lab Sample:	2202043-17	Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43								
Location:	RI-MW008 (27.5-28.5)										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.975	1.95	3.90		B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	113	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C3-PFPeA	IS	85.8	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C3-PFBS	IS	78.0	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C3-HFPO-DA	IS	69.1	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-4:2 FTS	IS	80.7	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-PFHxA	IS	81.2	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C4-PFHxA	IS	80.2	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C3-PFHxS	IS	83.9	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-6:2 FTS	IS	76.9	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C5-PFNA	IS	67.2	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C8-PFOSA	IS	61.9	10 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-PFOA	IS	80.6	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C8-PFOS	IS	77.1	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-PFDA	IS	83.5	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-8:2 FTS	IS	79.5	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
d3-MeFOSAA	IS	75.7	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-PFUnA	IS	71.9	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
d5-EtFOSAA	IS	73.7	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-PFDaA	IS	70.1	25 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	
13C2-PFTeDA	IS	72.1	20 - 150			B22B080	14-Feb-22	0.256 L	15-Feb-22 23:28	1	

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201271310RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 13:10 <th>Lab Sample:</th> <td>2202043-18</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-18	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFPeA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFBs	5.49	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-4:2 FTS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFHxA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFPeS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
HFPO-DA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFHpA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
ADONA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFHxS	1.77	0.999	2.00	4.00	J	B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Br-PFHxS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Total PFHxS	2.29	0.999	2.00	4.00	J	B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-6:2 FTS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFOA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Br-PFOA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Total PFOA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFHpS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFNA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFOSA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFOS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Br-PFOS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Total PFOS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
9Cl-PF3ONS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFDA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-8:2FTS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFNS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-MeFOSAA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Br-MeFOSAA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Total MeFOSAA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-EtFOSAA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Br-EtFOSAA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Total EtFOSAA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFUuN	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFDs	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
11Cl-PF3OUdS	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFDsA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
L-PFTrDA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			

Sample ID: GW2201271310RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 13:10 <th>Lab Sample:</th> <td>2202043-18</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-18	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43										
Location:	RI-MW036 (45-46)												
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFTeDA	ND	0.999	2.00	4.00		B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBA	IS	117	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C3-PFPeA	IS	86.3	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C3-PFBS	IS	75.5	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C3-HFPO-DA	IS	67.9	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-4:2 FTS	IS	77.7	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-PFHxA	IS	80.0	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C4-PFHxA	IS	75.9	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C3-PFHxS	IS	83.8	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-6:2 FTS	IS	76.7	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C5-PFNA	IS	77.9	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C8-PFOSA	IS	61.8	10 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-PFOA	IS	78.1	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C8-PFOS	IS	80.6	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-PFDA	IS	76.8	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-8:2 FTS	IS	71.9	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
d3-MeFOSAA	IS	77.9	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-PFUnA	IS	73.2	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
d5-EtFOSAA	IS	75.7	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-PFDaO	IS	73.5	25 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			
13C2-PFTeDA	IS	73.6	20 - 150			B22B080	14-Feb-22	0.250 L	15-Feb-22 23:38	1			

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: EB2201271320RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 13:20 <th>Lab Sample:</th> <td>2202043-19</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-19	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFPeA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFBs	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-4:2 FTS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFHxA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFPeS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
HFPO-DA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFHpA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
ADONA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFHxS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Br-PFHxS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Total PFHxS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-6:2 FTS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFOA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Br-PFOA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Total PFOA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFHpS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFNA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFOSA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFOS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Br-PFOS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Total PFOS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
9Cl-PF3ONS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFDA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-8:2FTS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFNS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-MeFOSAA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Br-MeFOSAA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Total MeFOSAA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-EtFOSAA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Br-EtFOSAA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
Total EtFOSAA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFUuN	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFDs	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
11Cl-PF3OUdS	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFDsA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			
L-PFTrDA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1			

Sample ID: EB2201271320RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-19</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-19</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-19	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	27-Jan-22 13:20 <th>Date Received:</th> <td>02-Feb-22 09:43</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Date Received:	02-Feb-22 09:43						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.05	2.10	4.20		B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	97.4	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C3-PFPeA	IS	87.0	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C3-PFBS	IS	81.0	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C3-HFPO-DA	IS	72.7	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-4:2 FTS	IS	78.6	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-PFHxA	IS	79.1	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C4-PFHxA	IS	83.5	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C3-PFHxS	IS	86.3	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-6:2 FTS	IS	82.7	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C5-PFNA	IS	80.0	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C8-PFOSA	IS	55.2	10 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-PFOA	IS	77.0	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C8-PFOS	IS	78.2	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-PFDA	IS	94.0	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-8:2 FTS	IS	70.3	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
d3-MeFOSAA	IS	82.6	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-PFUnA	IS	76.1	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
d5-EtFOSAA	IS	75.3	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-PFDaA	IS	75.2	25 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	
13C2-PFTeDA	IS	70.2	20 - 150			B22B080	14-Feb-22	0.238 L	15-Feb-22 23:49	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201271325BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 13:25 <th>Lab Sample:</th> <td>2202043-20</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-20	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	8.37	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFPeA	15.0	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFBs	47.1	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-4:2 FTS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFHxA	20.9	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFPeS	2.86	0.996	1.99	3.99	J	B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
HFPO-DA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFHpA	14.4	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
ADONA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFHxS	74.4	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Br-PFHxS	14.5	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Total PFHxS	88.9	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-6:2 FTS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFOA	18.8	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Br-PFOA	4.14	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Total PFOA	22.9	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFHpS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFNA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFOSA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFOS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Br-PFOS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Total PFOS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
9Cl-PF3ONS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFDA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-8:2FTS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFNS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-MeFOSAA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Br-MeFOSAA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Total MeFOSAA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-EtFOSAA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Br-EtFOSAA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
Total EtFOSAA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFUuN	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFDs	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
11Cl-PF3OUdS	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFDsA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			
L-PFTrDA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1			

Sample ID: GW2201271325BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202043-20</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202043-20</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202043-20	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	27-Jan-22 13:25 <th>Date Received:</th> <td>02-Feb-22 09:43<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	02-Feb-22 09:43 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.996	1.99	3.99		B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	121	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C3-PFPeA	IS	92.4	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C3-PFBS	IS	84.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C3-HFPO-DA	IS	75.9	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-4:2 FTS	IS	78.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-PFHxA	IS	88.0	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C4-PFHxA	IS	83.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C3-PFHxS	IS	81.4	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-6:2 FTS	IS	83.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C5-PFNA	IS	83.9	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C8-PFOSA	IS	63.9	10 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-PFOA	IS	83.4	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C8-PFOS	IS	80.6	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-PFDA	IS	96.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-8:2 FTS	IS	75.5	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
d3-MeFOSAA	IS	82.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-PFUnA	IS	75.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
d5-EtFOSAA	IS	70.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-PFDaA	IS	77.8	25 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	
13C2-PFTeDA	IS	73.8	20 - 150			B22B080	14-Feb-22	0.251 L	15-Feb-22 23:59	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses $\frac{1}{2}$ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

CHAIN OF CUSTODY

02/04/22

<i>For Laboratory Use Only</i>		
Work Order #:	22020412202043	Temp: 0.1, 1.0 °C
Storage ID:	R-13 WR-2	Storage Secured: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Project ID: GSU Groundwater Sampling PO#: 60612721.01 Sampler: Ron Friend/Brendan Alvis
(name)

TAT	Standard: <input checked="" type="checkbox"/> 21 days
(check one): Rush (surcharge may apply)	
<input type="checkbox"/> 14 days <input type="checkbox"/> 7 days Specify: _____	
City	State Ph# Fax#
Bay City	MI 48708 (989) 894-6242

Invoice to: Name Amanda Armbruster Company EGLE - Bay City District Address 401 Ketchum Street Suite B City Bay City State MI Ph# (989) 894-6242 Fax#

Relinquished by (printed name and signature) Ron Friend Ron Friend Date 1/21/22 Time 1600 Received by (printed name and signature) Marissa Sparks M. Sparks Date 02/02/22 Time 0943

Relinquished by (printed name and signature) Date Time Received by (printed name and signature) Date Time

SHIP TO: Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 (916) 673-1520 * Fax (916) 673-0106				Method of Shipment:	Add Analysis(es) Requested											
				Tracking No.:	Container(s)		Mod. EPA Method 537		EPA Method 537(DW only)		Comments					
Sample ID	Date	Time	Location/Sample Description		Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List 6	537 List: 14	Full List of 24	EGLE List of 28	Branch and Linear	PFOA/PFOS	UCMR3 PFAS List 6	PFAS List: 14
GW2201261055RF	1/26/22	1055	RI-MW033 (13-18)		2	P	AQ				X					
GW2201261100BA	1/26/22	1100	RI-MW033 (27.5-28.5)		2	P	AQ				X					
GW2201261245RF	1/26/22	1245	DEQ-RR-MW004		2	P	AQ				X					
GW2201261250BA	1/26/22	1250	DEQ-LD-MW003		2	P	AQ				X					
GW2201261345RF	1/26/22	1345	DEQ-RR-MW007		2	P	AQ				X					
GW2201261350BA	1/26/22	1350	RI-MW007 (39-40)		2	P	AQ				X					
GW2201261450RF	1/26/22	1450	DEQ-RR-MW005		2	P	AQ				X					
GW2201261510 BA	1/26/22	1510	DEQ-CR-MW002		2	P	AQ				X					
GW2201261600RF	1/26/22	1600	RI-MW026 (45-46)		2	P	AQ				X					
FD2201261605RF	1/26/22	1605	RI-MW026 (45-46)		2	P	AQ				X					

Special Instructions/Comments: Send Results and Acknowledgements to:

jeremiah.morse@aecom.com

ARMBRUSTER@Michigan.gov

SEND
DOCUMENTATION
AND RESULTS TO:

Name: Amanda Armbruster
Company: EGLE - Bay City District Office
Address: 401 Ketchum St. Suite B
City: Bay City State: MI Zip: 48708
Phone: (989) 894-6242 Fax:
Email: armbruster@Michigan.gov



CHAIN OF CUSTODY

For Laboratory Use Only

Work Order #: 2202044-2202043 Temp: 01.1.0 °C
Storage ID: R-13 WY-2 Storage Secured: Yes No

Project ID: GSU Groundwater Sampling

PO#: 60612721.01

Sampler: Ron Friend/Brendan Alvis
(name)

TAT Standard: 21 days

Work Order #: 22020442202043 Temp: 01,1.0 °C
Storage ID: R-13 WY-2 Storage Secured: Yes No

Storage ID: K-13-NY-1 Storage Secured: Yes No

Storage Secured: Yes No

Invoice to: Name	Company	Address	City	State	Ph#	Fax#
Amanda Armbruster	EGLE - Bay City District	401 Ketchum Street Suite B	Bay City	MI 48708	(989) 894-6242	

Relinquished by (printed name and signature) Date Time Received by (printed name and signature) Date Time
Ron Friend 1/31/22 1600 *Mariissa Sparks* 02/02/22 0943
Relinquished by (printed name and signature) Date Time Received by (printed name and signature) Date Time

SHIP TO: Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 (916) 673-1520 * Fax (916) 673-0106				Method of Shipment:		Add Analysis(es) Requested											
						Container(s)											
						Quantity	Type	Matrix	PFOA/PFOS	UCMRS PFAS List:6	537 List: 14	Full List or 24	EGL/E List of 28	Branch and Linear	Mod. EPA Method 537	EPA Method 537(DW only)	Comments
ATTN: Jennifer Miller				Tracking No.:													
Sample ID	Date	Time	Location/Sample Description														
GW2201261620BA	1/26/22	1620	DEQ-CR-MW006		2	P	AQ					X					
GW2201261700RF	1/26/22	1700	RI-MW026 (32-33)		2	P	AQ					X					
GW2201270905BA	1/27/22	0905	RI-MW003 (2-7)		2	P	AQ					X					
FD2201270905BA	1/27/22	0905	RI-MW003 (2-7)		2	P	AQ					X					
GW2201271000BA	1/27/22	1000	RI-MW003 (16-17)		2	P	AQ					X					
GW2201271125BA	1/27/22	1125	RI-MW008 (18-19)		2	P	AQ					X					
GW2201271215BA	1/27/22	1215	RI-MW008 (27.5-28.5)		2	P	AQ					X					
GW2201271310RF	1/27/22	1310	RI-MW036 (45-46)		2	P	AQ					X					
EB2201271320RF	1/27/22	1320	RI-MW036 (45-46)		1	P	AQ					X					
GW2201271325BA	1/27/22	1325	RI-MW032 (18-23)		2	P	AQ					X					

Special Instructions/Comments: **Send Results and Acknowledgements to:**

Jeremiah.Morse@aecom.com

ARMBRUSTERA@michigan.gov

**SEND
DOCUMENTATION
AND RESULTS TO**

Name: **Amanda Armbruster**
Company: **EGLE - Bay City District Office**
Address: **401 Ketchum St. Suite B**
City: **Bay City** State: **MI** Zip: **48708**
Phone: **(989) 894-6242** Fax: _____
Email: armbruster@Michigan.gov

Container Types: P= HDPE, PJ= HDPE Jar

Bottle Preservation Type: T = Thiosulfate

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment.

Sample Log-In Checklist

Page # 1 of 2

Vista Work Order #: 2202043 TAT STD

Samples Arrival:	Date/Time		Initials:		Location: WR-2		
	02/02/22	09:43	VN		Shelf/Rack: N/A		
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice	Blue Ice		Techni Ice		Dry Ice	None
Temp °C: 1.2 (uncorrected)	Probe used: Y / <u>N</u>			Thermometer ID: IR-4			
Temp °C: 1.0 (corrected)							

	YES	NO	NA		
Shipping Container(s) Intact?	✓				
Shipping Custody Seals Intact?			✓		
Airbill 1 of 2 Trk # 7759 1379 7390	✓				
Shipping Documentation Present?	✓				
Shipping Container	Vista	Client	Retain	Return	Dispose
Chain of Custody / Sample Documentation Present?				✓	
Chain of Custody / Sample Documentation Complete?					✓
Holding Time Acceptable?					✓
Logged In:	Date/Time	Initials:	Location: R-13 WR-2		
	02/04/22 09:56	AB	Shelf/Rack: A-3 B-4		
COC Anomaly/Sample Acceptance Form completed?				✓	✓

Comments:



Sample Log-In Checklist

Page # 2 of 2

Vista Work Order #: 2202043

TAT STD

Samples Arrival:	Date/Time <u>02/04/22 0943</u>	Initials: <u>MJS</u>	Location: <u>WR-2</u> Shelf/Rack: <u>N/2</u>		
Delivered By:	FedEx <input checked="" type="checkbox"/> UPS	On Trac	GLS	DHL	Hand Delivered
Preservation:	Ice	Blue Ice	Techni Ice	Dry Ice	None
Temp °C: <u>0.3</u> (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N			Thermometer ID: <u>IR-4</u>	
Temp °C: <u>0.1</u> (corrected)					

	YES	NO	NA		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>				
Shipping Custody Seals Intact?			<input checked="" type="checkbox"/>		
Airbill <u>2 of 2</u> Trk # <u>7759 1379 7508</u>	<input checked="" type="checkbox"/>				
Shipping Documentation Present?	<input checked="" type="checkbox"/>				
Shipping Container <input checked="" type="checkbox"/> Vista <input type="checkbox"/> Client <input checked="" type="checkbox"/> Retain <input type="checkbox"/> Return <input type="checkbox"/> Dispose					
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>				
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>				
Holding Time Acceptable?	<input checked="" type="checkbox"/>				
Logged In: <u>02/04/22</u> <u>0956</u> <u>0959</u> <u>02/04/22</u>	Initials: <u>P</u>	Location: <u>R-13 WR-2</u>	Shelf/Rack: <u>A-3 B-4</u>		
COC Anomaly/Sample Acceptance Form completed?			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2202043

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2202043-01	A GW2201261055RF	C ₂ ↓	RI-MW033 (13-18)	26-Jan-22 10:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-01	B GW2201261055RF	C ₁ ↓	RI-MW033 (13-18)	26-Jan-22 10:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-02	A GW2201261100BA	C ₁ ↓	RI-MW033 (27.5-28.5)	26-Jan-22 11:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-02	B GW2201261100BA	C ₁ ↓	RI-MW033 (27.5-28.5)	26-Jan-22 11:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-03	A GW2201261245RF	C ₂ ↓	DEQ-RR-MW004	26-Jan-22 12:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-03	B GW2201261245RF	C ₁ ↓	DEQ-RR-MW004	26-Jan-22 12:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-04	A GW2201261250BA	C ₁ ↓	DEQ-LD-MW003	26-Jan-22 12:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-04	B GW2201261250BA	C ₁ ↓	DEQ-LD-MW003	26-Jan-22 12:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-05	A GW2201261345RF	C ₂ ↓	DEQ-RR-MW007	26-Jan-22 13:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-05	B GW2201261345RF	C ₁ ↓	DEQ-RR-MW007	26-Jan-22 13:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-06	A GW2201261350BA	C ₁ ↓	RI-MW007 (39-40)	26-Jan-22 13:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-06	B GW2201261350BA	C ₁ ↓	RI-MW007 (39-40)	26-Jan-22 13:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-07	A GW2201261450RF	C ₂ ↓	DEQ-RR-MW005	26-Jan-22 14:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-07	B GW2201261450RF	C ₁ ↓	DEQ-RR-MW005	26-Jan-22 14:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-08	A GW2201261510BA	C ₁ ↓	DEQ-CR-MW002	26-Jan-22 15:10	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-08	B GW2201261510BA	C ₁ ↓	DEQ-CR-MW002	26-Jan-22 15:10	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-09	A GW2201261600RF	C ₂ ↓	RI-MW026 (45-46)	26-Jan-22 16:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-09	B GW2201261600RF	C ₁ ↓	RI-MW026 (45-46)	26-Jan-22 16:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-10	A FD2201261605RF	C ₂ ↓	RI-MW026 (45-46)	26-Jan-22 16:05	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-10	B FD2201261605RF	C ₁ ↓	RI-MW026 (45-46)	26-Jan-22 16:05	<input checked="" type="checkbox"/> A	HDPE Bottle, 250 mL	Aqueous	
2202043-11	A GW2201261620BA	C ₁ ↓	DEQ-CR-MW006	26-Jan-22 16:20	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-11	B GW2201261620BA	C ₁ ↓	DEQ-CR-MW006	26-Jan-22 16:20	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-12	A GW2201261700RF	C ₁ ↓	RI-MW026 (32-33)	26-Jan-22 17:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-12	B GW2201261700RF	C ₁ ↓	RI-MW026 (32-33)	26-Jan-22 17:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-13	A GW2201270905BA	C ₂ ↓	RI-MW003 (2-7)	27-Jan-22 09:05	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-13	B GW2201270905BA	C ₁ ↓	RI-MW003 (2-7)	27-Jan-22 09:05	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-14	A FD2201270905BA	C ₂ ↓	RI-MW003 (2-7)	27-Jan-22 09:05	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	
2202043-14	B FD2201270905BA	C ₁ ↓	RI-MW003 (2-7)	27-Jan-22 09:05	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous	

2202043-15	A	GW2201271000BA	<i>C₂</i> <input checked="" type="checkbox"/>	RI-MW003 (16-17)	27-Jan-22 10:00 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-15	B	GW2201271000BA	<i>C₁</i> <input checked="" type="checkbox"/>	RI-MW003 (16-17)	27-Jan-22 10:00 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-16	A	GW2201271125BA	<i>C₁</i> <input checked="" type="checkbox"/>	RI-MW008 (18-19)	27-Jan-22 11:25 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-16	B	GW2201271125BA	<input checked="" type="checkbox"/>	RI-MW008 (18-19)	27-Jan-22 11:25 <input type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-17	A	GW2201271215BA	<input checked="" type="checkbox"/>	RI-MW008 (27.5-28.5)	27-Jan-22 12:15 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-17	B	GW2201271215BA	<input checked="" type="checkbox"/>	RI-MW008 (27.5-28.5)	27-Jan-22 12:15 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-18	A	GW2201271310RF	<input checked="" type="checkbox"/>	RI-MW036 (45-46)	27-Jan-22 13:10 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-18	B	GW2201271310RF	<input checked="" type="checkbox"/>	RI-MW036 (45-46)	27-Jan-22 13:10 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-19	A	EB2201271320RF	<i>C₂</i> <input checked="" type="checkbox"/>	RI-MW036 (45-46)	27-Jan-22 13:20 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-20	A	GW2201271325BA	<i>C₂</i> <input checked="" type="checkbox"/>	RI-MW032 (18-23)	27-Jan-22 13:25 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202043-20	B	GW2201271325BA	<i>C₂</i> <input checked="" type="checkbox"/>	RI-MW032 (18-23)	27-Jan-22 13:25 <input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous

Checkmarks indicate that information on the COC reconciled with the sample label.

Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>		
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>		

Comments:

A : Collection date : 01/22/22

C₁ : Cooler 1 of 2

C₂ : Cooler 2 of 2

Preservation Documented: Na₂S₂O₃ Trizma NH₄CH₃CO₂ None Other

Verified by/Date:  02/04/22



February 28, 2022

Vista Work Order No. 2202044

Mr. Jeremiah Morse
AECOM
3950 Sparks Drive SE
Grand Rapids, MI 49546

Dear Mr. Morse,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on February 02, 2022 under your Project Name 'GSU Groundwater Sampling'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2202044**Case Narrative****Sample Condition on Receipt:**

Seven aqueous samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements.

Analytical Notes:**PFAS Isotope Dilution Method**

The samples were extracted and analyzed for a selected list of PFAS using Vista's PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2202044-01	GW2201271420RF	27-Jan-22 14:20	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202044-02	GW2201271410BA	27-Jan-22 14:10	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202044-03	GW2201271555RF	27-Jan-22 15:55	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202044-04	GW2201271640RF	27-Jan-22 16:40	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202044-05	GW2201271725RF	27-Jan-22 17:25	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202044-06	FB2201280845RF	28-Jan-22 08:45	02-Feb-22 09:43	HDPE Bottle, 250 mL
2202044-07	GW2201280855RF	28-Jan-22 08:55	02-Feb-22 09:43	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank							PFAS Isotope Dilution Method			
Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Aqueous	Lab Sample:			B22B082-BLK1	Column:	BEH C18	
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFPeA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFBs	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-4:2 FTS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFHxA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFPeS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
HFPO-DA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFHxP	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
ADONA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFHxS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Br-PFHxS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Total PFHxS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-6:2 FTS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFOA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Br-PFOA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Total PFOA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFHxP	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFNA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFOSA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFOS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Br-PFOS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Total PFOS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
9Cl-PF3ONS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFDA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-8:2FTS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFNS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-MeFOSAA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Br-MeFOSAA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Total MeFOSAA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-EtFOSAA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Br-EtFOSAA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
Total EtFOSAA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFUuA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFDs	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
11Cl-PF3OUdS	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFDoA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFTrDA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1
L-PFTeDA	ND	1.00	2.00	4.00		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1

Sample ID: Method Blank							PFAS Isotope Dilution Method			
Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22B082-BLK1	Column:	BEH C18			
Project:	GSU Groundwater Sampling									
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	94.9	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C3-PFPcA	IS	80.5	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C3-PFBS	IS	77.0	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C3-HFPO-DA	IS	81.1	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-4:2 FTS	IS	81.6	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-PFHxA	IS	81.0	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C4-PFHxA	IS	80.3	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C3-PFHxS	IS	82.1	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-6:2 FTS	IS	84.5	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C5-PFNA	IS	81.8	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C8-PFOSA	IS	38.4	10 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-PFOA	IS	89.0	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C8-PFOS	IS	86.4	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-PFDA	IS	82.6	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-8:2 FTS	IS	73.0	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
d3-MeFOSAA	IS	75.3	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-PFUnA	IS	75.7	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
d5-EtFOSAA	IS	64.1	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-PFDmA	IS	68.4	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	
13C2-PFTeDA	IS	70.9	20 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:08	1	

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous <th>Lab Sample:</th> <td data-cs="2" data-kind="parent">B22B082-BS1</td> <td data-kind="ghost"></td> <th>Column:</th> <td data-cs="3" data-kind="parent">BEH C18</td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>	Lab Sample:	B22B082-BS1		Column:	BEH C18			
Analyte		Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA		41.0	40.0	103	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFPeA		42.7	40.0	107	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFBS		40.4	40.0	101	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-4:2 FTS		42.2	40.0	106	60 - 145		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFHxA		43.5	40.0	109	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFPeS		43.2	40.0	108	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
HFPO-DA		40.2	40.0	100	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFHxA		43.0	40.0	107	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
ADONA		42.7	40.0	107	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
Total PFHxS		39.8	40.0	99.5	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-6:2 FTS		37.4	40.0	93.4	60 - 140		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
Total PFOA		39.6	40.0	98.9	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFHxA		40.6	40.0	102	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFNA		40.2	40.0	101	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFOSA		42.2	40.0	105	65 - 140		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
Total PFOS		43.8	40.0	109	65 - 140		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
9Cl-PF3ONS		46.7	40.0	117	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFDA		41.8	40.0	105	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-8:2FTS		41.9	40.0	105	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFNS		39.2	40.0	97.9	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
Total MeFOSAA		39.3	40.0	98.3	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
Total EtFOSAA		41.3	40.0	103	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFUnA		43.2	40.0	108	65 - 140		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFDS		41.1	40.0	103	50 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
11Cl-PF3OUdS		44.9	40.0	112	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFDaA		46.3	40.0	116	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFTrDA		42.3	40.0	106	60 - 140		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
L-PFTeDA		50.2	40.0	125	65 - 135		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
Labeled Standards		Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA		IS	89.7	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1	
13C3-PFPeA		IS	76.1	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1	
13C3-PFBS		IS	79.0	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1	
13C3-HFPO-DA		IS	73.9	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1	
13C2-4:2 FTS		IS	80.3	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1	
13C2-PFHxA		IS	81.3	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1	

Sample ID: OPR
PFAS Isotope Dilution Method
Client Data

Name: AECOM
 Project: GSU Groundwater Sampling

Matrix: Aqueous

Laboratory Data

Lab Sample: B22B082-BS1

Column: BEH C18

Labeled Standards

	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFHpA	IS	79.8	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C3-PFHxS	IS	83.1	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C2-6:2 FTS	IS	86.0	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C5-PFNA	IS	78.0	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C8-PFOSA	IS	37.9	10 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C2-PFOA	IS	84.7	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C8-PFOS	IS	77.7	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C2-PFDA	IS	80.2	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C2-8:2 FTS	IS	71.2	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
d3-MeFOSAA	IS	75.9	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C2-PFUnA	IS	74.7	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
d5-EtFOSAA	IS	63.2	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C2-PFDa	IS	71.1	25 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1
13C2-PFTeDA	IS	63.1	20 - 150		B22B082	18-Feb-22	0.250 L	22-Feb-22 11:18	1

Sample ID: GW2201271420RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 14:20 <th>Lab Sample:</th> <td>2202044-01</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-01	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	2.08	1.05	2.11	4.22	J	B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFPeA	1.54	1.05	2.11	4.22	J	B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFBs	1.76	1.05	2.11	4.22	J	B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-4:2 FTS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFHxA	1.59	1.05	2.11	4.22	J	B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFPeS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
HFPO-DA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFHpA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
ADONA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFHxS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Br-PFHxS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Total PFHxS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-6:2 FTS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFOA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Br-PFOA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Total PFOA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFHpS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFNA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFOSA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFOS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Br-PFOS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Total PFOS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
9Cl-PF3ONS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFDA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-8:2FTS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFNS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-MeFOSAA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Br-MeFOSAA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Total MeFOSAA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-EtFOSAA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Br-EtFOSAA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
Total EtFOSAA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFUuN	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFDs	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
11Cl-PF3OUdS	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFDsA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			
L-PFTrDA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1			

Sample ID: GW2201271420RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202044-01</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>27-Jan-22 14:20</td><th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202044-01</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>27-Jan-22 14:20</td> <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Lab Sample:	2202044-01	Column:	BEH C18	Date Collected:	27-Jan-22 14:20	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.05	2.11	4.22		B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	104	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C3-PFPeA	IS	95.7	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C3-PFBS	IS	91.9	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C3-HFPO-DA	IS	96.4	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-4:2 FTS	IS	94.3	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-PFHxA	IS	100	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C4-PFHxA	IS	96.2	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C3-PFHxS	IS	98.6	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-6:2 FTS	IS	95.6	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C5-PFNA	IS	97.0	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C8-PFOSA	IS	67.7	10 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-PFOA	IS	106	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C8-PFOS	IS	94.6	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-PFDA	IS	95.3	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-8:2 FTS	IS	73.6	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
d3-MeFOSAA	IS	98.4	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-PFUnA	IS	84.1	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
d5-EtFOSAA	IS	97.1	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-PFDaO	IS	83.2	25 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	
13C2-PFTeDA	IS	90.6	20 - 150			B22B082	18-Feb-22	0.237 L	22-Feb-22 14:06	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201271410BA
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 14:10	Lab Sample:	2202044-02	Column:	BEH C18		
Location:	GSU Groundwater Sampling RI-MW032 (29-30)										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFBA	2.47	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFPeA	2.36	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFBs	16.9	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-4:2 FTS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFHxA	1.52	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFPeS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
HFPO-DA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFHpA	2.83	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
ADONA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFHxS	1.29	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Br-PFHxS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Total PFHxS	2.11	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-6:2 FTS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFOA	2.08	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Br-PFOA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Total PFOA	2.15	0.997	1.99	3.99	J	B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFHpS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFNA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFOSA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFOS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Br-PFOS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Total PFOS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
9Cl-PF3ONS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFDA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-8:2FTS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFNS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-MeFOSAA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Br-MeFOSAA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Total MeFOSAA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-EtFOSAA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Br-EtFOSAA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Total EtFOSAA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFUuN	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFDs	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
11Cl-PF3OUdS	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFDsA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
L-PFTrDA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	

Sample ID: GW2201271410BA
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202044-02</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>27-Jan-22 14:10</td><th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202044-02</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>27-Jan-22 14:10</td> <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Lab Sample:	2202044-02	Column:	BEH C18	Date Collected:	27-Jan-22 14:10	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.997	1.99	3.99		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	92.4	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C3-PFPeA	IS	89.3	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C3-PFBS	IS	88.2	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C3-HFPO-DA	IS	82.9	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-4:2 FTS	IS	85.5	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-PFHxA	IS	95.0	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C4-PFHxA	IS	87.6	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C3-PFHxS	IS	89.7	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-6:2 FTS	IS	87.1	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C5-PFNA	IS	89.3	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C8-PFOSA	IS	64.6	10 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-PFOA	IS	91.1	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C8-PFOS	IS	87.5	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-PFDA	IS	77.2	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-8:2 FTS	IS	69.4	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
d3-MeFOSAA	IS	85.9	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-PFUnA	IS	76.7	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
d5-EtFOSAA	IS	83.3	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-PFDaO	IS	78.3	25 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		
13C2-PFTeDA	IS	76.1	20 - 150		B22B082	18-Feb-22	0.251 L	22-Feb-22 14:17	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: GW2201271555RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 15:55 <th>Lab Sample:</th> <td>2202044-03</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-03	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.87	1.01	2.01	4.02	J	B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFPeA	6.43	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFBs	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-4:2 FTS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFHxA	6.08	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFPeS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
HFPO-DA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFHpA	1.70	1.01	2.01	4.02	J	B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
ADONA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFHxS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Br-PFHxS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Total PFHxS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-6:2 FTS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFOA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Br-PFOA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Total PFOA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFHpS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFNA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFOSA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFOS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Br-PFOS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Total PFOS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
9Cl-PF3ONS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFDA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-8:2FTS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFNS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-MeFOSAA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Br-MeFOSAA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Total MeFOSAA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-EtFOSAA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Br-EtFOSAA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
Total EtFOSAA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFUuN	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFDs	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
11Cl-PF3OUdS	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFDsA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			
L-PFTrDA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1			

Sample ID: GW2201271555RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202044-03</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202044-03</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-03	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	27-Jan-22 15:55 <th>Date Received:</th> <td>02-Feb-22 09:43<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	02-Feb-22 09:43 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.01	2.01	4.02		B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	101	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C3-PFPeA	IS	90.7	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C3-PFBS	IS	87.9	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C3-HFPO-DA	IS	74.5	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-4:2 FTS	IS	87.0	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-PFHxA	IS	95.8	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C4-PFHxA	IS	89.0	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C3-PFHxS	IS	89.3	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-6:2 FTS	IS	96.9	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C5-PFNA	IS	89.1	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C8-PFOSA	IS	66.0	10 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-PFOA	IS	91.7	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C8-PFOS	IS	93.1	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-PFDA	IS	89.9	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-8:2 FTS	IS	79.2	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
d3-MeFOSAA	IS	93.2	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-PFUnA	IS	80.9	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
d5-EtFOSAA	IS	86.5	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-PFDaO	IS	85.5	25 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	
13C2-PFTeDA	IS	89.5	20 - 150			B22B082	18-Feb-22	0.249 L	22-Feb-22 14:27	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201271640RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 16:40 <th>Lab Sample:</th> <td>2202044-04</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-04	Column:	BEH C18				
Location:	GSU Groundwater Sampling RI-MW035 (30-31)	Date Received:	02-Feb-22 09:43										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	12.3	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFPeA	15.5	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFBs	114	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-4:2 FTS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFHxA	17.5	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFPeS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
HFPO-DA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFHpA	9.59	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
ADONA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFHxS	19.2	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Br-PFHxS	1.57	0.982	1.96	3.93	J, Q	B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Total PFHxS	20.8	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-6:2 FTS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFOA	12.0	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Br-PFOA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Total PFOA	12.7	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFHpS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFNA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFOSA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFOS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Br-PFOS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Total PFOS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
9Cl-PF3ONS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFDA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-8:2FTS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFNS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-MeFOSAA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Br-MeFOSAA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Total MeFOSAA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-EtFOSAA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Br-EtFOSAA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
Total EtFOSAA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFUuN	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFDs	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
11Cl-PF3OUdS	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFDsA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			
L-PFTrDA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1			

Sample ID: GW2201271640RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202044-04</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202044-04</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-04	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	27-Jan-22 16:40 <th>Date Received:</th> <td>02-Feb-22 09:43</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Date Received:	02-Feb-22 09:43						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.982	1.96	3.93		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	93.9	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C3-PFPeA	IS	94.8	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C3-PFBS	IS	85.4	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C3-HFPO-DA	IS	89.9	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-4:2 FTS	IS	88.8	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-PFHxA	IS	100	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C4-PFHxA	IS	92.7	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C3-PFHxS	IS	92.7	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-6:2 FTS	IS	91.6	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C5-PFNA	IS	94.8	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C8-PFOSA	IS	65.0	10 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-PFOA	IS	103	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C8-PFOS	IS	92.4	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-PFDA	IS	93.9	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-8:2 FTS	IS	81.8	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
d3-MeFOSAA	IS	90.9	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-PFUnA	IS	78.0	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
d5-EtFOSAA	IS	84.6	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-PFDaO	IS	86.4	25 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	
13C2-PFTeDA	IS	87.2	20 - 150			B22B082	18-Feb-22	0.255 L	22-Feb-22 14:38	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201271725RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	27-Jan-22 17:25 <th>Lab Sample:</th> <td>2202044-05</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-05	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFPeA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFBs	1.02	0.979	1.96	3.92	J	B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-4:2 FTS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFHxA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFPeS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
HFPO-DA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFHpA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
ADONA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFHxS	1.58	0.979	1.96	3.92	J	B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Br-PFHxS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Total PFHxS	1.78	0.979	1.96	3.92	J	B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-6:2 FTS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFOA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Br-PFOA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Total PFOA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFHpS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFNA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFOSA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFOS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Br-PFOS	1.55	0.979	1.96	3.92	J	B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Total PFOS	1.70	0.979	1.96	3.92	J	B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
9Cl-PF3ONS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFDA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-8:2FTS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFNS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-MeFOSAA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Br-MeFOSAA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Total MeFOSAA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-EtFOSAA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Br-EtFOSAA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
Total EtFOSAA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFUuN	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFDs	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
11Cl-PF3OUdS	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFDsA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			
L-PFTrDA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1			

Sample ID: GW2201271725RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202044-05</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>27-Jan-22 17:25<th>Date Received:</th><td>02-Feb-22 09:43</td></td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202044-05</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>27-Jan-22 17:25<th>Date Received:</th><td>02-Feb-22 09:43</td></td>	Lab Sample:	2202044-05	Column:	BEH C18	Date Collected:	27-Jan-22 17:25 <th>Date Received:</th> <td>02-Feb-22 09:43</td>	Date Received:	02-Feb-22 09:43
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.979	1.96	3.92		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	96.2	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C3-PFPeA	IS	94.7	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C3-PFBS	IS	90.3	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C3-HFPO-DA	IS	81.4	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-4:2 FTS	IS	92.7	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-PFHxA	IS	99.4	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C4-PFHxA	IS	97.0	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C3-PFHxS	IS	90.5	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-6:2 FTS	IS	92.1	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C5-PFNA	IS	88.0	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C8-PFOSA	IS	66.8	10 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-PFOA	IS	104	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C8-PFOS	IS	92.7	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-PFDA	IS	96.1	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-8:2 FTS	IS	80.5	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
d3-MeFOSAA	IS	97.3	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-PFUnA	IS	88.3	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
d5-EtFOSAA	IS	92.6	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-PFDaA	IS	86.1	25 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		
13C2-PFTeDA	IS	91.8	20 - 150		B22B082	18-Feb-22	0.255 L	22-Feb-22 14:48	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

Sample ID: FB2201280845RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	2202044-06	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	28-Jan-22 08:45	Date Received:	02-Feb-22 09:43						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFBA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFPeA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFBs	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-4:2 FTS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFHxA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFPeS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
HFPO-DA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFHpA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
ADONA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFHxS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Br-PFHxS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Total PFHxS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-6:2 FTS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFOA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Br-PFOA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Total PFOA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFHpS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFNA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFOSA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFOS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Br-PFOS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Total PFOS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
9Cl-PF3ONS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFDA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-8:2FTS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFNS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-MeFOSAA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Br-MeFOSAA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Total MeFOSAA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-EtFOSAA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Br-EtFOSAA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Total EtFOSAA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFUuN	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFDs	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
11Cl-PF3OUdS	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFDsA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
L-PFTrDA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	

Sample ID: FB2201280845RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2202044-06</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2202044-06</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-06	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	28-Jan-22 08:45 <th>Date Received:</th> <td>02-Feb-22 09:43<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	02-Feb-22 09:43 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.974	1.95	3.90		B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	115	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C3-PFPeA	IS	97.1	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C3-PFBS	IS	89.5	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C3-HFPO-DA	IS	85.8	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-4:2 FTS	IS	92.3	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-PFHxA	IS	96.4	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C4-PFHxA	IS	97.4	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C3-PFHxS	IS	99.8	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-6:2 FTS	IS	94.9	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C5-PFNA	IS	98.3	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C8-PFOSA	IS	43.0	10 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-PFOA	IS	104	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C8-PFOS	IS	101	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-PFDA	IS	91.6	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-8:2 FTS	IS	86.8	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
d3-MeFOSAA	IS	89.3	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-PFUnA	IS	82.2	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
d5-EtFOSAA	IS	76.7	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-PFDmA	IS	84.4	25 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	
13C2-PFTeDA	IS	84.2	20 - 150			B22B082	18-Feb-22	0.257 L	22-Feb-22 14:59	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

Sample ID: GW2201280855RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous <th>Date Collected:</th> <td>28-Jan-22 08:55<th>Lab Sample:</th><td>2202044-07</td><th>Column:</th><td>BEH C18</td><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Collected:	28-Jan-22 08:55 <th>Lab Sample:</th> <td>2202044-07</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-07	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	4.91	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFPeA	30.9	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFBs	61.5	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-4:2 FTS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFHxA	31.6	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFPeS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
HFPO-DA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFHpA	6.52	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
ADONA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFHxS	3.47	0.994	1.98	3.98	J	B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Br-PFHxS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Total PFHxS	3.95	0.994	1.98	3.98	J	B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-6:2 FTS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFOA	27.9	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Br-PFOA	1.79	0.994	1.98	3.98	J	B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Total PFOA	29.7	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFHpS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFNA	1.37	0.994	1.98	3.98	J	B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFOSA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFOS	7.16	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Br-PFOS	5.02	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Total PFOS	12.2	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
9Cl-PF3ONS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFDA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-8:2FTS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFNS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-MeFOSAA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Br-MeFOSAA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Total MeFOSAA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-EtFOSAA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Br-EtFOSAA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Total EtFOSAA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFUuN	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFDs	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
11Cl-PF3OUdS	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFDsA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
L-PFTrDA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			

Sample ID: GW2201280855RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	28-Jan-22 08:55 <th>Lab Sample:</th> <td>2202044-07</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2202044-07	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	02-Feb-22 09:43										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFTeDA	ND	0.994	1.98	3.98		B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBA	IS	91.9	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C3-PFPeA	IS	95.7	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C3-PFBS	IS	90.3	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C3-HFPO-DA	IS	91.0	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-4:2 FTS	IS	97.1	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-PFHxA	IS	97.1	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C4-PFHxA	IS	92.4	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C3-PFHxS	IS	95.2	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-6:2 FTS	IS	93.9	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C5-PFNA	IS	95.0	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C8-PFOSA	IS	69.9	10 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-PFOA	IS	102	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C8-PFOS	IS	89.6	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-PFDA	IS	97.4	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-8:2 FTS	IS	83.4	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
d3-MeFOSAA	IS	102	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-PFUnA	IS	89.0	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
d5-EtFOSAA	IS	94.9	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-PFDaO	IS	83.4	25 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			
13C2-PFTeDA	IS	87.6	20 - 150			B22B082	18-Feb-22	0.252 L	22-Feb-22 15:10	1			

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses $\frac{1}{2}$ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Sample Log-In Checklist

Page # 1 of 2

Vista Work Order #: 2202044 TAT Std

Samples Arrival:	Date/Time		Initials:		Location: WR-2		
	02/02/21	0943	VN		Shelf/Rack: N/A		
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice	Blue Ice		Techni Ice	Dry Ice		None
Temp °C: 1.2 (uncorrected)	Probe used: Y / N			Thermometer ID: IR-4			
Temp °C: 1.0 (corrected)							

	YES	NO	NA			
Shipping Container(s) Intact?	✓					
Shipping Custody Seals Intact?			✓			
Airbill 1 of 2 Trk # 7759 1379 7390	✓					
Shipping Documentation Present?	✓					
Shipping Container <u>Vista</u> Client Retain Return Dispose						
Chain of Custody / Sample Documentation Present?	✓					
Chain of Custody / Sample Documentation Complete?			✓			
Holding Time Acceptable?			✓			
Logged In:	Date/Time	Initials:	Location: R-13 WR-2			
	02/04/21 0957	SP	Shelf/Rack: A-3 B-4			
COC Anomaly/Sample Acceptance Form completed?					/	/

Comments:



Sample Log-In Checklist

Page # 2 of 2

Vista Work Order #: 2202044 TAT Std.

Samples Arrival:	Date/Time <u>02/02/22 0943</u>	Initials: <u>MWS</u>	Location: <u>WR-2</u>
Delivered By:	FedEx	UPS	On Trac GLS DHL Hand Delivered Other
Preservation:	Ice	Blue Ice	Techni Ice Dry Ice None
Temp °C: <u>0.3</u> (uncorrected)	Probe used: Y / <u>N</u>	Thermometer ID: <u>IR-4</u>	
Temp °C: <u>0.1</u> (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Airbill <u>2 of 2</u> Trk # <u>7759 1379 7508</u>	✓		
Shipping Documentation Present?	✓		
Shipping Container <u>Vista</u> Client <u>Retain</u> Return Dispose			
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		
Logged In: <u>02/04/22 0957</u>	Initials: <u>P</u>	Location: <u>R-13 WR-2</u>	Shelf/Rack: <u>A-3 B-4</u>
COC Anomaly/Sample Acceptance Form completed?		✓	✓

Comments:

CoC/Label Reconciliation Report WO# 2202044

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2202044-01	A GW2201271420RF	RI-MW036 (29-34)	27-Jan-22 14:20	<input type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-01	B GW2201271420RF	RI-MW036 (29-34)	27-Jan-22 14:20	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-02	A GW2201271410BA	RI-MW032 (29-30)	27-Jan-22 14:10	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-02	B GW2201271410BA	RI-MW032 (29-30)	27-Jan-22 14:10	<input type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-03	A GW2201271555RF	RI-MW035 (49-50)	27-Jan-22 15:55	<input type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-03	B GW2201271555RF	RI-MW035 (49-50)	27-Jan-22 15:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-04	A GW2201271640RF	RI-MW035 (30-31)	27-Jan-22 16:40	<input type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-04	B GW2201271640RF	RI-MW035 (30-31)	27-Jan-22 16:40	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-05	A GW2201271725RF	RI-MW034 (7.5-12.5)	27-Jan-22 17:25	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-05	B GW2201271725RF	RI-MW034 (7.5-12.5)	27-Jan-22 17:25	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-06	A FB2201280845RF		28-Jan-22 08:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-07	A GW2201280855RF	DEQ-RR-MW008	28-Jan-22 08:55	<input type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2202044-07	B GW2201280855RF	DEQ-RR-MW008	28-Jan-22 08:55	<input type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous

Checkmarks indicate that information on the COC reconciled with the sample label.

Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>		
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>		

Comments:

A: No backup volume received
 C1: cooler 1 of 2
 C2: COOLER 2 of 2

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: 202104127



August 11, 2022

Vista Work Order No. 2207128

Mr. Jeremiah Morse
AECOM
3950 Sparks Drive SE
Grand Rapids, MI 49546

Dear Mr. Morse,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on July 15, 2022 under your Project Name 'GSU Groundwater Sampling'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2207128**Case Narrative****Sample Condition on Receipt:**

Twenty aqueous samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements. A relinquishing signature was not included on the Chain-of-Custody (CoC). A sample ID discrepancy was noted for sample "GW2207121215RF" between the container label and the Chain-of-Custody (CoC). The sample ID has been reported as listed on the CoC.

Analytical Notes:**PFAS Isotope Dilution Method**

Samples "GW2207121700KN" and "GW2207130815KN" contained particulate and were centrifuged prior to extraction.

The samples were extracted and analyzed for a selected list of PFAS using Vista's PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2207128-01	GW2207121215RF	12-Jul-22 12:15	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-02	GW2207121300RF	12-Jul-22 13:00	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-03	GW2207121310KN	12-Jul-22 13:10	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-04	FD2207121315KN	12-Jul-22 13:15	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-05	GW2207121345RF	12-Jul-22 13:45	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-06	GW2207121500RF	12-Jul-22 15:00	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-07	GW2207121545RF	12-Jul-22 15:45	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-08	GW2207121430KN	12-Jul-22 14:30	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-09	GW2207121545KN	12-Jul-22 15:45	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-10	GW2207121700KN	12-Jul-22 17:00	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-11	GW2207121755RF	12-Jul-22 17:55	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-12	GW2207121755KN	12-Jul-22 17:55	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-13	GW2207121830RF	12-Jul-22 18:30	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-14	GW2207130850RF	13-Jul-22 08:50	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-15	GW2207130815KN	13-Jul-22 08:15	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-16	GW2207130935RF	13-Jul-22 09:35	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-17	GW2207130935KN	13-Jul-22 09:35	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-18	GW2207131035RF	13-Jul-22 10:35	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-19	GW2207131040KN	13-Jul-22 10:40	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207128-20	GW2207131125RF	13-Jul-22 11:25	15-Jul-22 09:10	HDPE Bottle, 250 mL
				HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank							PFAS Isotope Dilution Method			
Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Aqueous	Lab Sample:			B22G183-BLK1	Column:	BEH C18	
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFPeA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFBS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-4:2 FTS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFHxA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFPeS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
HFPO-DA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFHxP	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
ADONA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFHxS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Br-PFHxS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Total PFHxS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-6:2 FTS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFOA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Br-PFOA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Total PFOA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFHxP	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFNA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFOSA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFOS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Br-PFOS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Total PFOS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
9Cl-PF3ONS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFDA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-8:2FTS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFNS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-MeFOSAA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Br-MeFOSAA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Total MeFOSAA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-EtFOSAA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Br-EtFOSAA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
Total EtFOSAA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFUuA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFDS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
11Cl-PF3OUdS	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFDooA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFTrDA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1
L-PFTEDA	ND	1.00	2.00	4.00		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1

Sample ID: Method Blank							PFAS Isotope Dilution Method			
Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22G183-BLK1	Column:	BEH C18			
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	82.9	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C3-PFPcA	IS	83.8	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C3-PFBS	IS	84.6	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C3-HFPO-DA	IS	74.4	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-4:2 FTS	IS	91.2	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-PFHxA	IS	74.3	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C4-PFHxA	IS	89.3	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C3-PFHxS	IS	84.2	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-6:2 FTS	IS	91.0	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C5-PFNA	IS	80.3	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C8-PFOSA	IS	29.5	10 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-PFOA	IS	84.1	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C8-PFOS	IS	86.8	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-PFDA	IS	86.1	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-8:2 FTS	IS	76.7	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
d3-MeFOSAA	IS	65.4	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-PFUnA	IS	79.9	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
d5-EtFOSAA	IS	65.9	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-PFDaA	IS	77.3	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	
13C2-PFTeDA	IS	70.2	20 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:33	1	

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22G183-BS1			Column:	BEH C18		
Analyte		Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA		36.6	40.0	91.5	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFPeA		39.3	40.0	98.3	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFBS		42.5	40.0	106	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-4:2 FTS		40.4	40.4	100	60 - 145		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFHxA		37.4	40.0	93.5	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFPeS		41.3	40.0	103	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
HFPO-DA		41.5	40.0	104	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFHxA		36.8	40.0	92.1	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
ADONA		36.0	40.0	90.0	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
Total PFHxA		39.5	40.0	98.8	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-6:2 FTS		39.6	40.0	99.1	60 - 140		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
Total PFOA		38.0	40.0	95.0	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFHxA		35.2	40.0	88.0	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFNA		37.1	40.0	92.9	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFOSA		41.8	40.0	104	65 - 140		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
Total PFOS		39.0	40.0	97.5	65 - 140		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
9Cl-PF3ONS		42.9	40.0	107	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFDA		38.4	40.0	95.9	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-8:2FTS		37.0	40.0	92.4	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFNS		43.2	40.0	108	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
Total MeFOSAA		37.7	40.0	94.1	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
Total EtFOSAA		43.2	40.0	108	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFUnA		39.9	40.0	99.9	65 - 140		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFDS		37.3	40.0	93.3	50 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
11Cl-PF3OUdS		40.7	40.0	102	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFDaA		36.2	40.0	90.5	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFTrDA		34.2	40.0	85.5	60 - 140		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
L-PFTeDA		40.4	40.0	101	65 - 135		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
Labeled Standards		Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA		IS	84.1	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1	
13C3-PFPeA		IS	80.1	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1	
13C3-PFBS		IS	80.9	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1	
13C3-HFPO-DA		IS	75.4	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1	
13C2-4:2 FTS		IS	92.9	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1	
13C2-PFHxA	Work Order 2207128	IS	78.5	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1	of 601

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data				Laboratory Data						
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	B22G183-BS1		Column:	BEH C18		
Project:	GSU Groundwater Sampling									

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFHpA	IS	87.6	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C3-PFHxS	IS	77.2	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C2-6:2 FTS	IS	88.5	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C5-PFNA	IS	84.7	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C8-PFOSA	IS	33.6	10 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C2-PFOA	IS	81.5	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C8-PFOS	IS	85.1	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C2-PFDA	IS	91.7	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C2-8:2 FTS	IS	86.9	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
d3-MeFOSAA	IS	66.2	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C2-PFUnA	IS	75.0	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
d5-EtFOSAA	IS	62.3	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C2-PFDaA	IS	77.7	25 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1
13C2-PFTeDA	IS	69.7	20 - 150		B22G183	01-Aug-22	0.250 L	04-Aug-22 05:43	1

Sample ID: GW2207121215RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 12:15	Lab Sample:	2207128-01	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	88.1	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFPeA	326	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFBs	228	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-4:2 FTS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFHxA	199	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFPeS	1.34	1.01	2.02	4.05	J	B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
HFPO-DA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFHxA	17.6	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
ADONA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFHxS	4.53	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Br-PFHxS	1.20	1.01	2.02	4.05	J	B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Total PFHxS	5.73	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-6:2 FTS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFOA	19.5	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Br-PFOA	1.13	1.01	2.02	4.05	J	B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Total PFOA	20.6	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFHxS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFNA	2.24	1.01	2.02	4.05	J, Q	B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFOS	11.3	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Br-PFOS	6.80	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Total PFOS	18.1	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
9Cl-PF3ONS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFDA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-8:2FTS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFNS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-MeFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Br-MeFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Total MeFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-EtFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Br-EtFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
Total EtFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFUuN	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFDs	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
11Cl-PF3OUdS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFDsA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			
L-PFTrDA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1			

Sample ID: GW2207121215RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 12:15	Lab Sample:	2207128-01	Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10								
Location:	DEQ-RR-MW008										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	87.5	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C3-PFPeA	IS	82.7	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C3-PFBS	IS	89.5	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C3-HFPO-DA	IS	78.0	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-4:2 FTS	IS	96.9	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-PFHxA	IS	80.8	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C4-PFHxA	IS	97.0	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C3-PFHxS	IS	85.3	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-6:2 FTS	IS	95.8	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C5-PFNA	IS	87.6	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C8-PFOSA	IS	65.6	10 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-PFOA	IS	84.2	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C8-PFOS	IS	94.7	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-PFDA	IS	94.3	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-8:2 FTS	IS	85.7	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
d3-MeFOSAA	IS	82.3	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-PFUnA	IS	78.5	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
d5-EtFOSAA	IS	81.4	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-PFDaA	IS	89.0	25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	
13C2-PFTeDA	IS	79.7	20 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 05:54	1	

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121300RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 13:00 <th>Lab Sample:</th> <td>2207128-02</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-02	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	118	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFPeA	176	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFBs	903	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-4:2 FTS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFHxA	92.4	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFPeS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
HFPO-DA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFHpA	4.18	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
ADONA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFHxS	1.36	1.03	2.05	4.11	J	B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Br-PFHxS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Total PFHxS	1.36	1.03	2.05	4.11	J	B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-6:2 FTS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFOA	7.36	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Br-PFOA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Total PFOA	7.55	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFHpS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFNA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFOSA	35.2	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFOS	36.9	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Br-PFOS	6.40	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Total PFOS	43.3	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
9Cl-PF3ONS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFDA	1.56	1.03	2.05	4.11	J	B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-8:2FTS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFNS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-MeFOSAA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Br-MeFOSAA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Total MeFOSAA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-EtFOSAA	4.16	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Br-EtFOSAA	2.34	1.03	2.05	4.11	J	B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Total EtFOSAA	6.50	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFUuN	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFDs	4.29	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
11Cl-PF3OUdS	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFDooA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
L-PFTrDA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			

Sample ID: GW2207121300RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM <th>Matrix:</th> <td>Aqueous</td> <th>Date Collected:</th> <td>12-Jul-22 13:00<th>Lab Sample:</th><td>2207128-02</td><th>Column:</th><td>BEH C18</td><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous	Date Collected:	12-Jul-22 13:00 <th>Lab Sample:</th> <td>2207128-02</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-02	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFTeDA	ND	1.03	2.05	4.11		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1			
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution				
13C3-PFBA	IS	86.9	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C3-PFPeA	IS	83.1	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C3-PFBS	IS	79.3	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C3-HFPO-DA	IS	83.3	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-4:2 FTS	IS	97.1	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-PFHxA	IS	80.3	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C4-PFHxA	IS	87.1	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C3-PFHxS	IS	86.3	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-6:2 FTS	IS	95.4	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C5-PFNA	IS	81.5	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C8-PFOSA	IS	61.8	10 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-PFOA	IS	85.9	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C8-PFOS	IS	87.2	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-PFDA	IS	91.3	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-8:2 FTS	IS	80.8	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
d3-MeFOSAA	IS	82.6	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-PFUnA	IS	79.6	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
d5-EtFOSAA	IS	81.1	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-PFDaA	IS	86.1	25 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				
13C2-PFTeDA	IS	82.3	20 - 150		B22G183	01-Aug-22	0.244 L	04-Aug-22 06:04	1				

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121310KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 13:10 <th>Lab Sample:</th> <td>2207128-03</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-03	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	2.29	0.987	1.98	3.95	J	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFPeA	1.00	0.987	1.98	3.95	J	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFBs	1.43	0.987	1.98	3.95	J	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-4:2 FTS	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFHxA	1.75	0.987	1.98	3.95	J, Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFPeS	1.42	0.987	1.98	3.95	J	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
HFPO-DA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFHxA	1.34	0.987	1.98	3.95	J	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
ADONA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFHxS	14.9	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Br-PFHxS	2.90	0.987	1.98	3.95	J, Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Total PFHxS	17.8	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-6:2 FTS	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFOA	5.31	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Br-PFOA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Total PFOA	5.71	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFHxS	1.29	0.987	1.98	3.95	J, Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFNA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFOSA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFOS	31.2	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Br-PFOS	11.5	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Total PFOS	42.7	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
9Cl-PF3ONS	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFDA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-8:2FTS	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFNS	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-MeFOSAA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Br-MeFOSAA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Total MeFOSAA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-EtFOSAA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Br-EtFOSAA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
Total EtFOSAA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFUuN	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFDs	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
11Cl-PF3OUdS	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFDsA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			
L-PFTrDA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1			

Sample ID: GW2207121310KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-03</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-03</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-03	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	12-Jul-22 13:10	Date Received:	15-Jul-22 09:10 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.987	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	80.1	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C3-PFPeA	IS	75.3	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C3-PFBS	IS	85.4	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C3-HFPO-DA	IS	73.3	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-4:2 FTS	IS	101	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-PFHxA	IS	77.6	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C4-PFHxA	IS	79.0	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C3-PFHxS	IS	82.3	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-6:2 FTS	IS	79.7	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C5-PFNA	IS	81.6	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C8-PFOSA	IS	57.6	10 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-PFOA	IS	79.7	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C8-PFOS	IS	91.1	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-PFDA	IS	94.9	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-8:2 FTS	IS	73.6	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
d3-MeFOSAA	IS	82.7	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-PFUnA	IS	75.9	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
d5-EtFOSAA	IS	80.1	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-PFDaA	IS	83.4	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	
13C2-PFTeDA	IS	77.3	20 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:15	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FD2207121315KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 13:15	Lab Sample:	2207128-04	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.96	1.01	2.02	4.03	J	B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFPeA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFBs	1.73	1.01	2.02	4.03	J	B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-4:2 FTS	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFHxA	1.82	1.01	2.02	4.03	J	B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFPeS	1.20	1.01	2.02	4.03	J	B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
HFPO-DA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFHpA	1.46	1.01	2.02	4.03	J	B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
ADONA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFHxS	16.9	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Br-PFHxS	2.78	1.01	2.02	4.03	J	B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Total PFHxS	19.6	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-6:2 FTS	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFOA	5.27	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Br-PFOA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Total PFOA	5.85	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFHpS	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFNA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFOSA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFOS	30.5	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Br-PFOS	13.0	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Total PFOS	43.5	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
9Cl-PF3ONS	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFDA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-8:2FTS	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFNS	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-MeFOSAA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Br-MeFOSAA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Total MeFOSAA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-EtFOSAA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Br-EtFOSAA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
Total EtFOSAA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFUa	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFDs	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
11Cl-PF3OUdS	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFDa	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			
L-PFTrDA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1			

Sample ID: FD2207121315KN

PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-04</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>12-Jul-22 13:15</td><th>Date Received:</th><td>15-Jul-22 09:10</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-04</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>12-Jul-22 13:15</td> <th>Date Received:</th> <td>15-Jul-22 09:10</td>	Lab Sample:	2207128-04	Column:	BEH C18	Date Collected:	12-Jul-22 13:15	Date Received:	15-Jul-22 09:10
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.01	2.02	4.03		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	79.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C3-PFPeA	IS	73.1	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C3-PFBS	IS	79.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C3-HFPO-DA	IS	73.0	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-4:2 FTS	IS	92.5	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-PFHxA	IS	75.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C4-PFHxA	IS	80.2	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C3-PFHxS	IS	80.7	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-6:2 FTS	IS	84.8	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C5-PFNA	IS	81.7	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C8-PFOSA	IS	62.0	10 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-PFOA	IS	77.0	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C8-PFOS	IS	85.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-PFDA	IS	88.5	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-8:2 FTS	IS	74.3	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
d3-MeFOSAA	IS	77.9	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-PFUnA	IS	72.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
d5-EtFOSAA	IS	74.1	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-PFDaA	IS	78.2	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		
13C2-PFTeDA	IS	72.1	20 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 06:25	1		

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121345RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 13:45 <th>Lab Sample:</th> <td>2207128-05</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-05	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10 <th data-cs="10" data-kind="parent"></th> <th data-kind="ghost"></th>										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	30.6	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFPeA	12.7	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFBs	457	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-4:2 FTS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFHxA	9.14	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFPeS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
HFPO-DA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFHpA	6.59	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
ADONA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFHxS	3.99	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Br-PFHxS	1.13	0.989	1.98	3.96	J, Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Total PFHxS	5.12	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-6:2 FTS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFOA	11.1	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Br-PFOA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Total PFOA	11.2	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFHpS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFNA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFOSA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFOS	10.5	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Br-PFOS	7.93	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Total PFOS	18.4	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
9Cl-PF3ONS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFDA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-8:2FTS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFNS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-MeFOSAA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Br-MeFOSAA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Total MeFOSAA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-EtFOSAA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Br-EtFOSAA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
Total EtFOSAA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFUuN	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFDs	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
11Cl-PF3OUdS	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFDooA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			
L-PFTrDA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1			

Sample ID: GW2207121345RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 13:45	Lab Sample:	2207128-05	Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10								
Location:	DEQ-RR-MW004										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.989	1.98	3.96		B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	82.2	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C3-PFPeA	IS	81.3	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C3-PFBS	IS	78.7	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C3-HFPO-DA	IS	71.5	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-4:2 FTS	IS	89.6	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-PFHxA	IS	79.1	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C4-PFHxA	IS	83.9	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C3-PFHxS	IS	80.3	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-6:2 FTS	IS	85.4	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C5-PFNA	IS	87.9	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C8-PFOSA	IS	55.9	10 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-PFOA	IS	79.1	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C8-PFOS	IS	79.3	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-PFDA	IS	83.2	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-8:2 FTS	IS	65.7	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
d3-MeFOSAA	IS	75.0	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-PFUnA	IS	72.5	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
d5-EtFOSAA	IS	70.5	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-PFDaA	IS	76.1	25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	
13C2-PFTeDA	IS	74.6	20 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 06:36	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121500RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 15:00 <th>Lab Sample:</th> <td>2207128-06</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-06	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFPeA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFBs	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-4:2 FTS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFHxA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFPeS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
HFPO-DA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFHpA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
ADONA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFHxS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Br-PFHxS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Total PFHxS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-6:2 FTS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFOA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Br-PFOA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Total PFOA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFHpS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFNA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFOSA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFOS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Br-PFOS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Total PFOS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
9Cl-PF3ONS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFDA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-8:2FTS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFNS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-MeFOSAA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Br-MeFOSAA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Total MeFOSAA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-EtFOSAA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Br-EtFOSAA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
Total EtFOSAA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFUuN	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFDs	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
11Cl-PF3OUdS	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFDsA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			
L-PFTrDA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1			

Sample ID: GW2207121500RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 15:00 <th>Lab Sample:</th> <td>2207128-06</td> <th>Column:</th> <td>BEH C18</td> <td></td> <td></td>	Lab Sample:	2207128-06	Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10								
Location:	RI-MW026(45-46)										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.01	2.02	4.04		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	79.1	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C3-PFPeA	IS	75.2	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C3-PFBS	IS	80.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C3-HFPO-DA	IS	72.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-4:2 FTS	IS	85.2	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-PFHxA	IS	72.7	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C4-PFHxA	IS	81.3	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C3-PFHxS	IS	73.6	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-6:2 FTS	IS	91.5	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C5-PFNA	IS	80.3	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C8-PFOSA	IS	49.5	10 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-PFOA	IS	81.3	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C8-PFOS	IS	85.4	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-PFDA	IS	84.8	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-8:2 FTS	IS	72.6	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
d3-MeFOSAA	IS	78.0	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-PFUnA	IS	70.9	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
d5-EtFOSAA	IS	70.2	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-PFDaA	IS	74.9	25 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		
13C2-PFTeDA	IS	73.3	20 - 150		B22G183	01-Aug-22	0.248 L	04-Aug-22 07:18	1		

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121545RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 15:45 <th>Lab Sample:</th> <td>2207128-07</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-07	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFPeA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFBs	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-4:2 FTS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFHxA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFPeS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
HFPO-DA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFHpA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
ADONA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFHxS	1.64	1.02	2.04	4.08	J, Q	B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Br-PFHxS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Total PFHxS	1.64	1.02	2.04	4.08	J	B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-6:2 FTS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFOA	1.41	1.02	2.04	4.08	J	B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Br-PFOA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Total PFOA	1.41	1.02	2.04	4.08	J	B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFHpS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFNA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFOSA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFOS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Br-PFOS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Total PFOS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
9Cl-PF3ONS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFDA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-8:2FTS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFNS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-MeFOSAA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Br-MeFOSAA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Total MeFOSAA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-EtFOSAA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Br-EtFOSAA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
Total EtFOSAA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFUuN	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFDs	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
11Cl-PF3OUdS	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFDsA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			
L-PFTrDA	ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1			

Sample ID: GW2207121545RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM <th>Matrix:</th> <td data-cs="2" data-kind="parent">Aqueous</td> <td data-kind="ghost"></td> <th>Lab Sample:</th> <td data-cs="2" data-kind="parent">2207128-07</td> <td data-kind="ghost"></td> <th>Column:</th> <td data-cs="3" data-kind="parent">BEH C18</td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>	Matrix:	Aqueous		Lab Sample:	2207128-07		Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Collected:	12-Jul-22 15:45		Date Received:	15-Jul-22 09:10					
Analyte		Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFTeDA		ND	1.02	2.04	4.08		B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
Labeled Standards	Type	% Recovery		Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	81.6		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C3-PFPeA	IS	78.0		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C3-PFBS	IS	83.5		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C3-HFPO-DA	IS	84.1		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-4:2 FTS	IS	85.9		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-PFHxA	IS	70.6		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C4-PFHxA	IS	84.3		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C3-PFHxS	IS	82.3		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-6:2 FTS	IS	92.6		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C5-PFNA	IS	87.3		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C8-PFOSA	IS	56.7		10 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-PFOA	IS	77.6		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C8-PFOS	IS	79.2		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-PFDA	IS	89.6		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-8:2 FTS	IS	69.7		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
d3-MeFOSAA	IS	73.4		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-PFUnA	IS	75.3		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
d5-EtFOSAA	IS	77.2		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-PFDaA	IS	81.5		25 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1
13C2-PFTeDA	IS	72.9		20 - 150			B22G183	01-Aug-22	0.245 L	04-Aug-22 07:28	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121430KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 14:30 <th>Lab Sample:</th> <td>2207128-08</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-08	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.69	1.00	2.00	4.01	J	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFPeA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFBs	1.92	1.00	2.00	4.01	J, Q	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-4:2 FTS	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFHxA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFPeS	1.05	1.00	2.00	4.01	J	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
HFPO-DA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFHpA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
ADONA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFHxS	7.68	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Br-PFHxS	2.03	1.00	2.00	4.01	J, Q	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Total PFHxS	9.71	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-6:2 FTS	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFOA	1.40	1.00	2.00	4.01	J	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Br-PFOA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Total PFOA	1.80	1.00	2.00	4.01	J	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFHpS	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFNA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFOSA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFOS	3.83	1.00	2.00	4.01	J	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Br-PFOS	3.04	1.00	2.00	4.01	J	B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Total PFOS	6.86	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
9Cl-PF3ONS	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFDA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-8:2FTS	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFNS	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-MeFOSAA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Br-MeFOSAA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Total MeFOSAA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-EtFOSAA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Br-EtFOSAA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
Total EtFOSAA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFUa	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFDs	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
11Cl-PF3OUdS	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFDa	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			
L-PFTrDA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1			

Sample ID: GW2207121430KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-08</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-08</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-08	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	12-Jul-22 14:30	Date Received:	15-Jul-22 09:10 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.00	2.00	4.01		B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	82.9	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C3-PFPeA	IS	79.3	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C3-PFBS	IS	77.2	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C3-HFPO-DA	IS	76.4	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-4:2 FTS	IS	95.5	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-PFHxA	IS	77.5	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C4-PFHxA	IS	80.5	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C3-PFHxS	IS	83.5	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-6:2 FTS	IS	94.3	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C5-PFNA	IS	85.6	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C8-PFOSA	IS	48.6	10 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-PFOA	IS	84.7	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C8-PFOS	IS	88.1	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-PFDA	IS	96.9	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-8:2 FTS	IS	67.8	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
d3-MeFOSAA	IS	83.2	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-PFUnA	IS	78.5	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
d5-EtFOSAA	IS	75.0	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-PFDaA	IS	85.4	25 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	
13C2-PFTeDA	IS	78.7	20 - 150			B22G183	01-Aug-22	0.250 L	04-Aug-22 07:39	1	

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121545KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 15:45	Lab Sample:	2207128-09	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	4.10	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFPeA	3.62	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFBs	1.53	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-4:2 FTS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFHxA	4.57	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFPeS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
HFPO-DA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFHpA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
ADONA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFHxS	1.84	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Br-PFHxS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Total PFHxS	1.84	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-6:2 FTS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFOA	1.33	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Br-PFOA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Total PFOA	1.33	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFHpS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFNA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFOSA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFOS	2.16	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Br-PFOS	1.70	0.957	1.92	3.83	J	B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Total PFOS	3.86	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
9Cl-PF3ONS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFDA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-8:2FTS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFNS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-MeFOSAA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Br-MeFOSAA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Total MeFOSAA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-EtFOSAA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Br-EtFOSAA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
Total EtFOSAA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFUuN	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFDs	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
11Cl-PF3OUdS	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFDooA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			
L-PFTrDA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1			

Sample ID: GW2207121545KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-09</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-09</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-09	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	12-Jul-22 15:45	Date Received:	15-Jul-22 09:10 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.957	1.92	3.83		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	78.3	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C3-PFPeA	IS	75.3	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C3-PFBS	IS	75.9	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C3-HFPO-DA	IS	75.1	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-4:2 FTS	IS	81.3	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-PFHxA	IS	73.2	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C4-PFHxA	IS	79.6	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C3-PFHxS	IS	76.2	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-6:2 FTS	IS	78.5	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C5-PFNA	IS	76.7	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C8-PFOSA	IS	49.9	10 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-PFOA	IS	76.2	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C8-PFOS	IS	83.9	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-PFDA	IS	83.8	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-8:2 FTS	IS	82.7	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
d3-MeFOSAA	IS	79.5	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-PFUnA	IS	74.4	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
d5-EtFOSAA	IS	71.4	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-PFDaA	IS	77.2	25 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		
13C2-PFTeDA	IS	74.5	20 - 150		B22G183	01-Aug-22	0.261 L	04-Aug-22 07:49	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121700KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 17:00	Lab Sample:	2207128-10	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	2.12	0.978	1.95	3.91	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFPeA	1.48	0.978	1.95	3.91	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFBs	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-4:2 FTS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFHxA	1.27	0.978	1.95	3.91	J, Q	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFPeS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
HFPO-DA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFHpA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
ADONA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFHxS	3.37	0.978	1.95	3.91	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Br-PFHxS	1.18	0.978	1.95	3.91	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Total PFHxS	4.55	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-6:2 FTS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFOA	1.36	0.978	1.95	3.91	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Br-PFOA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Total PFOA	1.36	0.978	1.95	3.91	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFHpS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFNA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFOSA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFOS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Br-PFOS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Total PFOS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
9Cl-PF3ONS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFDA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-8:2FTS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFNS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-MeFOSAA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Br-MeFOSAA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Total MeFOSAA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-EtFOSAA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Br-EtFOSAA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
Total EtFOSAA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFUuN	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFDs	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
11Cl-PF3OUdS	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFDooA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			
L-PFTrDA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1			

Sample ID: GW2207121700KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-10</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-10</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-10	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	12-Jul-22 17:00 <th>Date Received:</th> <td>15-Jul-22 09:10<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	15-Jul-22 09:10 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.978	1.95	3.91		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	63.7	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C3-PFPeA	IS	73.7	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C3-PFBS	IS	76.0	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C3-HFPO-DA	IS	68.1	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-4:2 FTS	IS	88.3	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-PFHxA	IS	77.0	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C4-PFHxA	IS	82.0	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C3-PFHxS	IS	79.8	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-6:2 FTS	IS	89.5	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C5-PFNA	IS	78.2	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C8-PFOSA	IS	51.4	10 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-PFOA	IS	80.1	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C8-PFOS	IS	76.5	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-PFDA	IS	90.5	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-8:2 FTS	IS	73.6	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
d3-MeFOSAA	IS	77.3	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-PFUnA	IS	75.6	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
d5-EtFOSAA	IS	72.8	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-PFDoA	IS	76.9	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		
13C2-PFTeDA	IS	72.8	20 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:00	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121755RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 17:55	Lab Sample:	2207128-11	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	4.42	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFPeA	4.81	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFBs	3.85	0.992	1.98	3.97	J	B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-4:2 FTS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFHxA	8.59	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFPeS	1.36	0.992	1.98	3.97	J, Q	B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
HFPO-DA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFHpA	5.56	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
ADONA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFHxS	22.3	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Br-PFHxS	5.63	0.992	1.98	3.97	Q	B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Total PFHxS	28.0	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-6:2 FTS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFOA	10.9	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Br-PFOA	2.88	0.992	1.98	3.97	J	B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Total PFOA	13.8	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFHpS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFNA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFOSA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFOS	2.13	0.992	1.98	3.97	J, Q	B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Br-PFOS	2.15	0.992	1.98	3.97	J	B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Total PFOS	4.28	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
9Cl-PF3ONS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFDA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-8:2FTS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFNS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-MeFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Br-MeFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Total MeFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-EtFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Br-EtFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
Total EtFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFUuN	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFDs	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
11Cl-PF3OUdS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFDooA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			
L-PFTrDA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1			

Sample ID: GW2207121755RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-11</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-11</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-11	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	12-Jul-22 17:55	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	83.8	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C3-PFPeA	IS	81.0	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C3-PFBS	IS	91.2	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C3-HFPO-DA	IS	65.9	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-4:2 FTS	IS	94.2	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-PFHxA	IS	72.1	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C4-PFHxA	IS	86.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C3-PFHxS	IS	77.2	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-6:2 FTS	IS	91.4	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C5-PFNA	IS	84.9	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C8-PFOSA	IS	56.5	10 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-PFOA	IS	83.8	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C8-PFOS	IS	90.8	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-PFDA	IS	87.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-8:2 FTS	IS	73.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
d3-MeFOSAA	IS	77.7	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-PFUnA	IS	76.0	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
d5-EtFOSAA	IS	72.3	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-PFDaO	IS	86.5	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	
13C2-PFTeDA	IS	79.1	20 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 08:10	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121755KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 17:55 <th>Lab Sample:</th> <td>2207128-12</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-12	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.58	0.944	1.89	3.78	J	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFPeA	2.91	0.944	1.89	3.78	J	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFBs	2.33	0.944	1.89	3.78	J	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-4:2 FTS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFHxA	5.00	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFPeS	1.03	0.944	1.89	3.78	J	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
HFPO-DA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFHpA	2.50	0.944	1.89	3.78	J	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
ADONA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFHxS	15.1	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Br-PFHxS	2.46	0.944	1.89	3.78	J, Q	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Total PFHxS	17.6	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-6:2 FTS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFOA	2.61	0.944	1.89	3.78	J	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Br-PFOA	1.50	0.944	1.89	3.78	J	B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Total PFOA	4.11	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFHpS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFNA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFOSA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFOS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Br-PFOS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Total PFOS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
9Cl-PF3ONS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFDA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-8:2FTS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFNS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-MeFOSAA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Br-MeFOSAA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Total MeFOSAA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-EtFOSAA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Br-EtFOSAA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
Total EtFOSAA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFUuN	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFDs	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
11Cl-PF3OUdS	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFDooA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			
L-PFTrDA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1			

Sample ID: GW2207121755KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-12</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-12</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-12	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	12-Jul-22 17:55	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.944	1.89	3.78		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	72.5	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C3-PFPeA	IS	72.8	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C3-PFBS	IS	84.6	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C3-HFPO-DA	IS	74.0	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-4:2 FTS	IS	90.7	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-PFHxA	IS	72.5	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C4-PFHxA	IS	78.1	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C3-PFHxS	IS	70.3	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-6:2 FTS	IS	83.1	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C5-PFNA	IS	76.8	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C8-PFOSA	IS	47.3	10 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-PFOA	IS	72.4	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C8-PFOS	IS	72.3	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-PFDA	IS	87.3	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-8:2 FTS	IS	73.2	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
d3-MeFOSAA	IS	73.2	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-PFUnA	IS	75.2	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
d5-EtFOSAA	IS	69.7	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-PFDaA	IS	71.2	25 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		
13C2-PFTeDA	IS	70.2	20 - 150		B22G183	01-Aug-22	0.265 L	04-Aug-22 08:21	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207121830RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 18:30	Lab Sample:	2207128-13	Column:	BEH C18				
Location:	GSU Groundwater Sampling RI-MW033(27.5-28.5)	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.25	0.964	1.93	3.85	J	B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFPeA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFBs	1.13	0.964	1.93	3.85	J	B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-4:2 FTS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFHxA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFPeS	1.19	0.964	1.93	3.85	J	B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
HFPO-DA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFHpA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
ADONA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFHxS	2.61	0.964	1.93	3.85	J	B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Br-PFHxS	1.41	0.964	1.93	3.85	J	B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Total PFHxS	4.02	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-6:2 FTS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFOA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Br-PFOA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Total PFOA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFHpS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFNA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFOSA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFOS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Br-PFOS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Total PFOS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
9Cl-PF3ONS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFDA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-8:2FTS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFNS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-MeFOSAA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Br-MeFOSAA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Total MeFOSAA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-EtFOSAA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Br-EtFOSAA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Total EtFOSAA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFUuN	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFDs	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
11Cl-PF3OUdS	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFDooA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
L-PFTrDA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			

Sample ID: GW2207121830RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	12-Jul-22 18:30 <th>Lab Sample:</th> <td>2207128-13</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-13	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Location:	RI-MW033(27.5-28.5)												
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFTeDA	ND	0.964	1.93	3.85		B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
13C3-PFBA	IS	81.1	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C3-PFPeA	IS	80.0	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C3-PFBS	IS	89.5	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C3-HFPO-DA	IS	74.4	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-4:2 FTS	IS	95.8	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-PFHxA	IS	75.5	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C4-PFHxA	IS	86.0	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C3-PFHxS	IS	80.0	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-6:2 FTS	IS	87.1	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C5-PFNA	IS	77.3	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C8-PFOSA	IS	52.0	10 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-PFOA	IS	83.1	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C8-PFOS	IS	85.4	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-PFDA	IS	88.4	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-8:2 FTS	IS	77.1	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
d3-MeFOSAA	IS	79.7	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-PFUnA	IS	75.0	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
d5-EtFOSAA	IS	76.9	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-PFDaA	IS	79.3	25 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			
13C2-PFTeDA	IS	80.7	20 - 150			B22G183	01-Aug-22	0.259 L	04-Aug-22 08:31	1			

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207130850RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 08:50	Lab Sample:	2207128-14	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	6.66	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFPeA	13.3	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFBs	39.1	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-4:2 FTS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFHxA	15.9	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFPeS	2.74	0.975	1.95	3.90	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
HFPO-DA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFHpA	13.9	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
ADONA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFHxS	60.1	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Br-PFHxS	6.93	0.975	1.95	3.90	Q	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Total PFHxS	67.0	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-6:2 FTS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFOA	20.0	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Br-PFOA	3.00	0.975	1.95	3.90	J	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Total PFOA	23.0	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFHpS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFNA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFOSA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFOS	5.79	0.975	1.95	3.90	Q	B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Br-PFOS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Total PFOS	5.79	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
9Cl-PF3ONS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFDA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-8:2FTS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFNS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-MeFOSAA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Br-MeFOSAA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Total MeFOSAA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-EtFOSAA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Br-EtFOSAA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
Total EtFOSAA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFUuN	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFDs	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
11Cl-PF3OUdS	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFDooA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			
L-PFTrDA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1			

Sample ID: GW2207130850RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td data-cs="2" data-kind="parent">2207128-14</td><td data-kind="ghost"></td><th>Column:</th><td data-cs="3" data-kind="parent">BEH C18</td><td data-kind="ghost"></td><td data-kind="ghost"></td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td data-cs="2" data-kind="parent">2207128-14</td> <td data-kind="ghost"></td> <th>Column:</th> <td data-cs="3" data-kind="parent">BEH C18</td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>	Lab Sample:	2207128-14		Column:	BEH C18			
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 08:50 <th>Date Received:</th> <td data-cs="2" data-kind="parent">15-Jul-22 09:10</td> <td data-kind="ghost"></td> <td></td> <td data-cs="3" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.975	1.95	3.90		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	78.6	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C3-PFPeA	IS	77.5	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C3-PFBS	IS	78.5	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C3-HFPO-DA	IS	68.6	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-4:2 FTS	IS	102	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-PFHxA	IS	80.0	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C4-PFHxA	IS	81.5	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C3-PFHxS	IS	74.7	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-6:2 FTS	IS	85.3	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C5-PFNA	IS	72.2	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C8-PFOSA	IS	46.7	10 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-PFOA	IS	73.6	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C8-PFOS	IS	84.1	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-PFDA	IS	85.4	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-8:2 FTS	IS	84.8	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
d3-MeFOSAA	IS	76.5	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-PFUnA	IS	71.2	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
d5-EtFOSAA	IS	71.9	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-PFDaA	IS	75.9	25 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		
13C2-PFTeDA	IS	69.7	20 - 150		B22G183	01-Aug-22	0.256 L	04-Aug-22 08:42	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207130815KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 08:15 <th>Lab Sample:</th> <td>2207128-15</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-15	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	9.32	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFPeA	4.02	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFBs	5.26	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-4:2 FTS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFHxA	2.38	0.989	1.98	3.95	J, Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFPeS	1.14	0.989	1.98	3.95	J	B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
HFPO-DA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFHxA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
ADONA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFHxS	4.59	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Br-PFHxS	1.46	0.989	1.98	3.95	J, Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Total PFHxS	6.05	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-6:2 FTS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFOA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Br-PFOA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Total PFOA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFHxS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFNA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFOSA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFOS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Br-PFOS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Total PFOS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
9Cl-PF3ONS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFDA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-8:2FTS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFNS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-MeFOSAA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Br-MeFOSAA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Total MeFOSAA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-EtFOSAA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Br-EtFOSAA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
Total EtFOSAA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFUuN	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFDs	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
11Cl-PF3OUdS	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFDsA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			
L-PFTrDA	ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1			

Sample ID: GW2207130815KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 08:15 <th>Lab Sample:</th> <td>2207128-15</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-15	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte		Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
L-PFTeDA		ND	0.989	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
Labeled Standards	Type	% Recovery		Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	76.4		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C3-PFPeA	IS	80.4		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C3-PFBS	IS	82.5		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C3-HFPO-DA	IS	69.4		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-4:2 FTS	IS	96.1		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-PFHxA	IS	72.9		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C4-PFHxA	IS	82.4		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C3-PFHxS	IS	78.5		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-6:2 FTS	IS	79.2		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C5-PFNA	IS	80.8		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C8-PFOSA	IS	46.7		10 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-PFOA	IS	81.2		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C8-PFOS	IS	73.6		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-PFDA	IS	84.7		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-8:2 FTS	IS	77.0		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
d3-MeFOSAA	IS	72.7		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-PFUnA	IS	74.6		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
d5-EtFOSAA	IS	70.7		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-PFDaA	IS	77.2		25 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		
13C2-PFTeDA	IS	74.2		20 - 150			B22G183	01-Aug-22	0.253 L	04-Aug-22 08:52	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207130935RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 09:35	Lab Sample:	2207128-16	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	6.45	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFPeA	5.07	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFBs	21.6	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-4:2 FTS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFHxA	4.86	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFPeS	1.33	0.979	1.96	3.91	J	B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
HFPO-DA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFHpA	2.86	0.979	1.96	3.91	J	B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
ADONA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFHxS	2.55	0.979	1.96	3.91	J	B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Br-PFHxS	1.31	0.979	1.96	3.91	J, Q	B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Total PFHxS	3.86	0.979	1.96	3.91	J	B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-6:2 FTS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFOA	1.65	0.979	1.96	3.91	J	B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Br-PFOA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Total PFOA	2.04	0.979	1.96	3.91	J	B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFHpS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFNA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFOSA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFOS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Br-PFOS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Total PFOS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
9Cl-PF3ONS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFDA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-8:2FTS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFNS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-MeFOSAA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Br-MeFOSAA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Total MeFOSAA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-EtFOSAA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Br-EtFOSAA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
Total EtFOSAA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFUuN	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFDs	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
11Cl-PF3OUdS	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFDooA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			
L-PFTrDA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1			

Sample ID: GW2207130935RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-16</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-16</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-16	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 09:35	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.979	1.96	3.91		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	75.3	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C3-PFPeA	IS	73.8	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C3-PFBS	IS	80.1	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C3-HFPO-DA	IS	76.7	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-4:2 FTS	IS	90.1	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-PFHxA	IS	67.9	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C4-PFHxA	IS	70.4	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C3-PFHxS	IS	72.6	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-6:2 FTS	IS	81.3	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C5-PFNA	IS	80.5	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C8-PFOSA	IS	50.1	10 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-PFOA	IS	74.9	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C8-PFOS	IS	81.4	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-PFDA	IS	75.7	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-8:2 FTS	IS	69.5	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
d3-MeFOSAA	IS	71.8	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-PFUnA	IS	69.9	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
d5-EtFOSAA	IS	66.6	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-PFDaA	IS	66.4	25 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		
13C2-PFTeDA	IS	68.1	20 - 150		B22G183	01-Aug-22	0.255 L	04-Aug-22 09:35	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207130935KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 09:35	Lab Sample:	2207128-17	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	4.76	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFPeA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFBs	7.24	0.988	1.98	3.95	Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-4:2 FTS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFHxA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFPeS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
HFPO-DA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFHpA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
ADONA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFHxS	3.27	0.988	1.98	3.95	J	B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Br-PFHxS	1.24	0.988	1.98	3.95	J, Q	B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Total PFHxS	4.51	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-6:2 FTS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFOA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Br-PFOA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Total PFOA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFHpS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFNA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFOSA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFOS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Br-PFOS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Total PFOS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
9Cl-PF3ONS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFDA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-8:2FTS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFNS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-MeFOSAA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Br-MeFOSAA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Total MeFOSAA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-EtFOSAA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Br-EtFOSAA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
Total EtFOSAA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFUuN	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFDs	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
11Cl-PF3OUdS	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFDooA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			
L-PFTrDA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1			

Sample ID: GW2207130935KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-17</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-17</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-17	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 09:35	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.988	1.98	3.95		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	82.1	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C3-PFPeA	IS	76.1	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C3-PFBS	IS	81.6	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C3-HFPO-DA	IS	71.5	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-4:2 FTS	IS	95.6	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-PFHxA	IS	75.2	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C4-PFHxA	IS	85.6	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C3-PFHxS	IS	74.3	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-6:2 FTS	IS	89.0	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C5-PFNA	IS	90.5	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C8-PFOSA	IS	50.2	10 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-PFOA	IS	82.0	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C8-PFOS	IS	86.0	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-PFDA	IS	90.8	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-8:2 FTS	IS	73.7	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
d3-MeFOSAA	IS	76.7	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-PFUnA	IS	76.2	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
d5-EtFOSAA	IS	79.1	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-PFDaA	IS	84.8	25 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		
13C2-PFTeDA	IS	79.8	20 - 150		B22G183	01-Aug-22	0.253 L	04-Aug-22 09:45	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207131035RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	2207128-18		Column:	BEH C18			
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 10:35	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFBA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFPeA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFBs	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-4:2 FTS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFHxA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFPeS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
HFPO-DA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFHpA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
ADONA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFHxS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Br-PFHxS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Total PFHxS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-6:2 FTS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFOA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Br-PFOA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Total PFOA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFHpS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFNA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFOSA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFOS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Br-PFOS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Total PFOS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
9Cl-PF3ONS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFDA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-8:2FTS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFNS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-MeFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Br-MeFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Total MeFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-EtFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Br-EtFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
Total EtFOSAA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFUuN	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFDs	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
11Cl-PF3OUdS	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFDsA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	
L-PFTrDA	ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1	

Sample ID: GW2207131035RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 10:35 <th>Lab Sample:</th> <td>2207128-18</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-18	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Type	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
L-PFTeDA		ND	1.01	2.02	4.05		B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
Labeled Standards	Type	% Recovery		Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	76.6		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C3-PFPeA	IS	75.2		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C3-PFBS	IS	71.4		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C3-HFPO-DA	IS	82.0		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-4:2 FTS	IS	91.7		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-PFHxA	IS	71.7		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C4-PFHxA	IS	78.3		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C3-PFHxS	IS	74.3		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-6:2 FTS	IS	84.1		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C5-PFNA	IS	71.1		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C8-PFOSA	IS	50.2		10 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-PFOA	IS	81.0		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C8-PFOS	IS	84.0		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-PFDA	IS	90.7		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-8:2 FTS	IS	78.9		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
d3-MeFOSAA	IS	76.7		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-PFUnA	IS	72.8		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
d5-EtFOSAA	IS	68.3		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-PFDaA	IS	80.1		25 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		
13C2-PFTeDA	IS	74.6		20 - 150			B22G183	01-Aug-22	0.247 L	04-Aug-22 09:56	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207131040KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 10:40 <th>Lab Sample:</th> <td>2207128-19</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-19	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFPeA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFBs	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-4:2 FTS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFHxA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFPeS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
HFPO-DA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFHpA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
ADONA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFHxS	1.44	0.969	1.94	3.88	J	B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Br-PFHxS	0.995	0.969	1.94	3.88	J	B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Total PFHxS	2.43	0.969	1.94	3.88	J	B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-6:2 FTS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFOA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Br-PFOA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Total PFOA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFHpS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFNA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFOSA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFOS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Br-PFOS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Total PFOS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
9Cl-PF3ONS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFDA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-8:2FTS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFNS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-MeFOSAA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Br-MeFOSAA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Total MeFOSAA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-EtFOSAA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Br-EtFOSAA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
Total EtFOSAA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFUuN	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFDs	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
11Cl-PF3OUdS	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFDsA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			
L-PFTrDA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1			

Sample ID: GW2207131040KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207128-19</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207128-19</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-19	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 10:40 <th>Date Received:</th> <td>15-Jul-22 09:10<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	15-Jul-22 09:10 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.969	1.94	3.88		B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	82.4	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C3-PFPeA	IS	79.5	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C3-PFBS	IS	83.2	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C3-HFPO-DA	IS	75.4	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-4:2 FTS	IS	94.2	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-PFHxA	IS	79.7	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C4-PFHxA	IS	83.0	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C3-PFHxS	IS	85.0	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-6:2 FTS	IS	91.1	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C5-PFNA	IS	74.1	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C8-PFOSA	IS	52.3	10 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-PFOA	IS	85.3	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C8-PFOS	IS	79.8	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-PFDA	IS	85.1	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-8:2 FTS	IS	87.0	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
d3-MeFOSAA	IS	76.6	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-PFUnA	IS	76.3	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
d5-EtFOSAA	IS	76.0	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-PFDaA	IS	83.9	25 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	
13C2-PFTeDA	IS	78.7	20 - 150			B22G183	01-Aug-22	0.258 L	04-Aug-22 10:06	1	

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207131125RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 11:25 <th>Lab Sample:</th> <td>2207128-20</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207128-20	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFPeA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFBs	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-4:2 FTS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFHxA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFPeS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
HFPO-DA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFHxA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFPeS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Br-PFHxA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Total PFHxA	2.50	0.992	1.98	3.97	J, Q	B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Br-PFHxA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Total PFHxA	2.50	0.992	1.98	3.97	J	B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-6:2 FTS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFOA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Br-PFOA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Total PFOA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFHxA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFNA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFOSA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFOS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Br-PFOS	2.84	0.992	1.98	3.97	J	B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Total PFOS	3.37	0.992	1.98	3.97	J	B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
9Cl-PF3ONS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFDA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-8:2FTS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFNS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-MeFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Br-MeFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Total MeFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-EtFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Br-EtFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
Total EtFOSAA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFUuN	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFDs	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
11Cl-PF3OUdS	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFDsA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			
L-PFTrDA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1			

Sample ID: GW2207131125RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 11:25	Lab Sample:	2207128-20	Column:	BEH C18		
Project:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10								
Location:	RI-MW034(7.5-12.5)										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.992	1.98	3.97		B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	76.3	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C3-PFPeA	IS	74.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C3-PFBS	IS	83.3	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C3-HFPO-DA	IS	73.2	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-4:2 FTS	IS	93.7	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-PFHxA	IS	76.1	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C4-PFHxA	IS	81.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C3-PFHxS	IS	76.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-6:2 FTS	IS	82.2	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C5-PFNA	IS	81.0	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C8-PFOSA	IS	52.2	10 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-PFOA	IS	81.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C8-PFOS	IS	85.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-PFDA	IS	80.7	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-8:2 FTS	IS	63.3	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
d3-MeFOSAA	IS	69.6	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-PFUnA	IS	72.3	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
d5-EtFOSAA	IS	73.4	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-PFDaA	IS	76.2	25 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	
13C2-PFTeDA	IS	75.4	20 - 150			B22G183	01-Aug-22	0.252 L	04-Aug-22 10:17	1	

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses $\frac{1}{2}$ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Pennsylvania Department of Environmental Protection	018
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

1 of 3

For Laboratory Use Only		
Work Order #:	2207128	Temp: 0.4 °C
Storage ID:	B-13, L-#-2	Storage Secured: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Project ID: GSU Groundwater SamplingPO# 60612721.01Sampler: Ron Friend/Kirsten Nielsen
(name)TAT Standard: 21 days

(check one): Rush (surcharge may apply)

 14 days 7 days Specify _____Invoice to: Name Amanda ArmbrusterCompany EGLE - Bay City DistrictAddress 401 Ketchum Street Suite BCity Bay CityState MI Ph# (989) 894-6242

Fax# _____

Relinquished by (printed name and signature)

Date 7/15/22Time 0910Received by (printed name and signature)
Marissa Sparks USGSDate 07/15/22 Time 0910

Relinquished by (printed name and signature)

Date

Time

Received by (printed name and signature)

Date Time

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Jennifer Miller

Method of Shipment:

Tracking No.: _____

Add Analysis(es) Requested

Mod. EPA Method 537

EPA Method 537(DW only)

Container(s)

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOA/PFOS	UICMR3/PFAS List 6	537 List 14	Full List of 24	EGLC List of 26	Branch and Linear	PFOA/PFOS	UICMR3/PFAS List 6	PFAS List 14	Comments
GW2207121215RF	7/12/22	1215	DEQ-RR-MW008	2	P	AQ						X				
GW2207121300RF	7/12/22	1300	DEQ-RR-MW005	2	P	AQ						X				
GW2207121310KN	7/12/22	1310	DEQ-CR-MW002	2	P	AQ						X				
FD2207121315KN	7/12/22	1315	DEQ-CR-MW002	2	P	AQ						X				
GW2207121345RF	7/12/22	1345	DEQ-RR-MW004	2	P	AQ						X				
GW2207121500RF	7/12/22	1500	RI-MW026(45-46)	2	P	AQ						X				
GW2207121545RF	7/12/22	1545	RI-MW026(32-33)	2	P	AQ						X				
GW2207121430KN	7/12/22	1430	DEQ-CR-MW006	2	P	AQ						X				
GW2207121545KN	7/12/22	1545	RI-MW003 (2-7)	2	P	AQ						X				
GW2207121700KN	7/12/22	1700	RI-MW007 (39-40)	2	P	AQ						X				

Special Instructions/Comments: Send Results and Acknowledgements to:

Jeremiah.Morse@aecom.comARMBRUSTERA@michigan.gov

SEND
DOCUMENTATION
AND RESULTS TO:

Name: Amanda ArmbrusterCompany: EGLE - Bay City District OfficeAddress: 401 Ketchum St. Suite BCity: Bay City State: MI Zip: 48708Phone: (989) 894-6242

Fax: _____

Email: armbruster@Michigan.gov

Container Types: P = HDPE, PJ = HDPE Jar

O = Other: _____

Bottle Preservation Type: T = Thiosulfate,

TZ = Trizma: TZ

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment,

SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other: _____



CHAIN OF CUSTODY

2 of 3

For Laboratory Use Only

Work Order #: 2207128 Temp: 54 °C
 Storage ID: R-13, L222 Storage Secured: Yes No

Project ID: GSU Groundwater Sampling PO#: 60612721.01 Sampler: Ron Friend/Kirsten Nielsen
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify:

Invoice to: Name Amanda Armbruster Company EGLE - Bay City District Address 401 Ketchum Street Suite B City Bay City State MI 48708 Ph# (989) 894-6242 Fax#

Relinquished by (printed name and signature) Date Time Received by (printed name and signature) Marissa Sparks W. Sparks Date 07/15/22 Time 0910
 Relinquished by (printed name and signature) Date Time Received by (printed name and signature) Date Time

Sample ID	Date	Time	Location/Sample Description	Add Analysis(es) Requested								Comments	
				Quantity	Type	Matrix	PFOA/PFOS	UCMRS PFAS List 6	537 List 14	Full List of 24	EGLL List of 28	Branch and Linear	
GW2207121755RF	7/12/22	1755	RI-MW033 (13-18)	2	P	AQ						X	
GW2207121755KN	7/12/22	1755	RI-MW008 (27.5-28.5)	2	P	AQ						X	
GW2207121830RF	7/12/22	1830	RI-MW033 (27.5-28.5)	2	P	AQ						X	
GW2207130850RF	7/13/22	850	RI-MW032 (18-23)	2	P	AQ						X	
GW2207130815KN	7/13/22	815	RI-MW036 (29-34)	2	P	AQ						X	
GW2207130935RF	7/13/22	935	RI-MW032 (29-30)	2	P	AQ						X	
GW2207130935KN	7/13/22	935	RI-MW036 (45-46)	2	P	AQ						X	
GW2207131035RF	7/13/22	1035	RI-MW032 (46-47)	2	P	AQ						X	
GW2207131040KN	7/13/22	1040	RI-MW036 (55-56)	2	P	AQ						X	
GW2207131125RF	7/13/22	1125	RI-MW034 (7.5-12.5)	2	P	AQ						X	

Special Instructions/Comments: Send Results and Acknowledgements to:

jeremiah.morse@aecom.com

ARMBRUSTERA@michigan.gov

SEND DOCUMENTATION AND RESULTS TO:

Name: Amanda Armbruster

Company: EGLE - Bay City District Office

Address: 401 Ketchum St. Suite B

City: Bay City State: MI Zip: 48708

Phone: (989) 894-6242 Fax:

Email: armbrustera@michigan.gov

Container Types: P = HDPE, PJ = HDPE Jar

O = Other

Work Order 2207128

Bottle Preservation Type: T = Thiosulfate,

TZ = Trizma: TZ

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment,

SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other



Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2207128 TAT 5+J

Samples Arrival:	Date/Time <u>07/15/22 09:10</u>	Initials: <u>MWS</u>	Location: <u>WR-2</u>				
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Techni Ice	Dry Ice	None
Temp °C:	<u>0.6</u> (uncorrected)	Probe used: Y / N			Thermometer ID: <u>IR-4</u>		
Temp °C:	<u>0.4</u> (corrected)						

		YES	NO	NA
Shipping Container(s) Intact?		✓		
Shipping Custody Seals Intact?		✓		
Airbill —	Trk # <u>2755 4021 6337</u>	✓		
Shipping Documentation Present?		✓		
Shipping Container	Vista	Client	Retain	Return
Chain of Custody / Sample Documentation Present?		✓		
Chain of Custody / Sample Documentation Complete?		✓	①	✓
Holding Time Acceptable?		✓		
Logged In:	Date/Time <u>07/18/22 13:10</u>	Initials: <u>KA</u>	Location: <u>R-13, WR-2</u>	Shelf/Rack: <u>A-4, F-6</u>
COC Anomaly/Sample Acceptance Form completed?			✓	

Comments: ① COC not relinquished



Sample Log-In Checklist

Page # 2 of 2

Vista Work Order #: 2207128 TAT STD

Samples Arrival:	Date/Time <u>07/15/22 0910</u>		Initials: <u>KW</u>		Location: <u>WR-2</u> Shelf/Rack: <u>N/A</u>		
Delivered By:	<u>FedEx</u>	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	<u>Ice</u>	Blue Ice		Techni Ice		Dry Ice	None
Temp °C:	<u>2.8</u> (uncorrected)	Probe used: Y / <u>N</u>			Thermometer ID: <u>IR-3</u>		
Temp °C:	<u>2.7</u> (corrected)						

	YES	NO	NA			
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>					
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>					
Airbill <u>2755 4016 3925</u> Trk #	<input checked="" type="checkbox"/>					
Shipping Documentation Present?	<input checked="" type="checkbox"/>					
Shipping Container	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Vista	Client	Retain	Return			
			Dispose			
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Chain of Custody / Sample Documentation Complete?		<input checked="" type="checkbox"/>				
Holding Time Acceptable?	<input checked="" type="checkbox"/>					
Logged In:	Date/Time <u>07/15/22 13:10</u>	Initials: <u>16</u>	Location: <u>R-13, WR-2</u> Shelf/Rack: <u>A-4 F-6</u>			
COC Anomaly/Sample Acceptance Form completed?				<input checked="" type="checkbox"/>		

Comments: (A) COC received in Cooler 1

CoC/Label Reconciliation Report WO# 2207128

Lab Number	CoC Sample ID	Sample Alias	Sample Date/Time	Container	Base Matrix	Sample Comments
2207128-01	A GW2207121215RF	DEQ-RR-MW008	12-Jul-22 12:15	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-01	B GW2207121215RF	DEQ-RR-MW008	12-Jul-22 12:15	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-02	A GW2207121300RF	DEQ-RR-MW005	12-Jul-22 13:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-02	B GW2207121300RF	DEQ-RR-MW005	12-Jul-22 13:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-03	A GW2207121310KN	DEQ-LR-MW002	12-Jul-22 13:10	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-03	B GW2207121310KN	DEQ-LR-MW002	12-Jul-22 13:10	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-04	A FD2207121315KN	DEQ-CR-MW002	12-Jul-22 13:15	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-04	B FD2207121315KN	DEQ-CR-MW002	12-Jul-22 13:15	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-05	A GW2207121345RF	DEQ-RR-MW004	12-Jul-22 13:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-05	B GW2207121345RF	DEQ-RR-MW004	12-Jul-22 13:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-06	A GW2207121500RF	RI-MW026(45-46)	12-Jul-22 15:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-06	B GW2207121500RF	RI-MW026(45-46)	12-Jul-22 15:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-07	A GW2207121545RF	RI-MW026(32-33)	12-Jul-22 15:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-07	B GW2207121545RF	RI-MW026(32-33)	12-Jul-22 15:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-08	A GW2207121430KN	DEQ-LR-MW006	12-Jul-22 14:30	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-08	B GW2207121430KN	DEQ-LR-MW006	12-Jul-22 14:30	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-09	A GW2207121545KN	RI-MW003(2-7)	12-Jul-22 15:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-09	B GW2207121545KN	RI-MW003(2-7)	12-Jul-22 15:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-10	A GW2207121700KN	RI-MW007(39-40)	12-Jul-22 17:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-10	B GW2207121700KN	RI-MW007(39-40)	12-Jul-22 17:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-11	A GW2207121755RF	RI-MW033(13-18)	12-Jul-22 17:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-11	B GW2207121755RF	RI-MW033(13-18)	12-Jul-22 17:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-12	A GW2207121755KN	RI-MW008(27.5-28.5)	12-Jul-22 17:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-12	B GW2207121755KN	RI-MW008(27.5-28.5)	12-Jul-22 17:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-13	A GW2207121830RF	RI-MW033(27.5-28.5)	12-Jul-22 18:30	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-13	B GW2207121830RF	RI-MW033(27.5-28.5)	12-Jul-22 18:30	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-14	A GW2207130850RF	RI-MW032(18-23)	13-Jul-22 08:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-14	B GW2207130850RF	RI-MW032(18-23)	13-Jul-22 08:50	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous

2207128-15	A	GW2207130815KN	<i>C2</i> ↴ <input checked="" type="checkbox"/> ①	RI-MW036(29-34)	13-Jul-22 08:15	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-15	B	GW2207130815KN	<i>C1</i> ↴ <input checked="" type="checkbox"/>	RI-MW036(29-34)	13-Jul-22 08:15	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-16	A	GW2207130935RF	<i>C1</i> ↴ <input checked="" type="checkbox"/>	RI-MW032(29-30)	13-Jul-22 09:35	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-16	B	GW2207130935RF	<i>C1</i> ↴ <input checked="" type="checkbox"/>	RI-MW032(29-30)	13-Jul-22 09:35	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-17	A	GW2207130935KN	<i>C2</i> ↴ <input checked="" type="checkbox"/>	RI-MW036(45-46)	13-Jul-22 09:35	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-17	B	GW2207130935KN	<i>C2</i> ↴ <input checked="" type="checkbox"/>	RI-MW036(45-46)	13-Jul-22 09:35	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-18	A	GW2207131035RF	<i>C1</i> ↴ <input checked="" type="checkbox"/>	RI-MW032(46-47)	13-Jul-22 10:35	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-18	B	GW2207131035RF	<i>C1</i> ↴ <input checked="" type="checkbox"/>	RI-MW032(46-47)	13-Jul-22 10:35	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-19	A	GW2207131040KN	<i>C2</i> ↴ <input checked="" type="checkbox"/>	RI-MW036(55-56)	13-Jul-22 10:40	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-19	B	GW2207131040KN	<i>C2</i> ↴ <input checked="" type="checkbox"/>	RI-MW036(55-56)	13-Jul-22 10:40	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-20	A	GW2207131125RF	<i>C1</i> ↴ <input checked="" type="checkbox"/>	RI-MW034(7.5-12.5)	13-Jul-22 11:25	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207128-20	B	GW2207131125RF	<i>C1</i> ↴ <input checked="" type="checkbox"/>	RI-MW034(7.5-12.5)	13-Jul-22 11:25	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous

Checkmarks indicate that information on the COC reconciled with the sample label.

Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments: ① Sample label ID - GW220+/-
② Sample contains approximately 220 mL

$$C_1 = \text{Cooley 10\%}$$

$$C_2 = \{013, 204\}$$

Preservation Documented: Na₂S₂O₃ Trizma NH₄CH₃CO₂ None Other

Verified by/Date: 140719/22

ANOMALY FORM

Vista Work Order

2207128

Initial/Date The following checked issues were noted during sample receipt and login:

- VA0718/22
- 1. The samples were received out of temperature at (WI-PHT): _____
Was Ice present: Yes No Melted Blue Ice
 - 2. The Chain-of-Custody (CoC) was not relinquished properly.
 - 3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
 - 4. The sample(s) did not include a sample collection time. All or Sample Name: _____
 - VA0719/22
 5. A sample ID discrepancy was found. See the Reconciliation report.
The CoC Sample ID will be used unless notified otherwise.
 - 6. A sample date and/or time discrepancy was found. See the Reconciliation report.
The CoC Sample date/time will be used unless notified otherwise.
 - 7. The CoC did not include a sample matrix. The following sample matrix will be used: _____
 - 8. Insufficient volume received for analysis. All or Sample Name: _____
 - 9. The backup bottle was received broken. Sample Name: _____
 - 10. CoC not received, illegible or destroyed.
 - 11. The sample(s) were received out of holding time. All or Sample Name: _____
 - 12. The CoC did not include an analysis. All or Sample Name: _____
 - 13. Sample(s) received without collection date. All or Sample Name: _____
 - 14. Sample(s) not received. All or Sample Name: _____
 - 15. Sample(s) received broken. All or Sample Name: _____
 - 16. An incorrect container-type was used. All or Sample Name: _____
 - 17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples.
Will proceed with analysis and narrate unless notified otherwise.
 - 18. Other: _____

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Vista Client Manager: _____

Resolution:



August 08, 2022

Vista Work Order No. 2207129

Mr. Jeremiah Morse
AECOM
3950 Sparks Drive SE
Grand Rapids, MI 49546

Dear Mr. Morse,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on July 15, 2022 under your Project Name 'GSU Groundwater Sampling'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2207129**Case Narrative****Sample Condition on Receipt:**

Seven aqueous samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements. A relinquishing signature was not included on the Chain-of-Custody (CoC). A sample ID discrepancy was noted for sample "FB2207131445RF" between the container label and the Chain-of-Custody (CoC). The sample ID has been reported as listed on the CoC.

Analytical Notes:**PFAS Isotope Dilution Method**

The samples were extracted and analyzed for a selected list of PFAS using Vista's PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2207129-01	GW2207131230RF	13-Jul-22 12:30	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207129-02	GW2207131155KN	13-Jul-22 11:55	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207129-03	FD2207130855RF	13-Jul-22 08:55	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207129-04	GW2207131255KN	13-Jul-22 12:55	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207129-05	GW2207131345KN	13-Jul-22 13:45	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207129-06	EB2207131355KN	13-Jul-22 13:55	15-Jul-22 09:10	HDPE Bottle, 250 mL
2207129-07	FB2207131445RF	13-Jul-22 14:45	15-Jul-22 09:10	HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank										PFAS Isotope Dilution Method		
Client Data				Laboratory Data								
Name:	AECOM	Matrix:	Aqueous	Lab Sample:		B22G162-BLK1		Column:	BEH C18			
Project:	GSU Groundwater Sampling											
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
L-PFBA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFPeA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFBS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-4:2 FTS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFHxA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFPeS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
HFPO-DA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFHxA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
ADONA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFHxS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Br-PFHxS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Total PFHxS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-6:2 FTS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFOA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Br-PFOA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Total PFOA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFHxS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFNA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFOSA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFOS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Br-PFOS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Total PFOS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
9Cl-PF3ONS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFDA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-8:2FTS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFNS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-MeFOSAA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Br-MeFOSAA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Total MeFOSAA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-EtFOSAA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Br-EtFOSAA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
Total EtFOSAA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFUuA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFDS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
11Cl-PF3OUdS	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFDooA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFTrDA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		
L-PFTeDA	ND	1.00	2.00	4.00		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1		

Sample ID: Method Blank
PFAS Isotope Dilution Method
Client Data

Name: AECOM
 Project: GSU Groundwater Sampling

Matrix: Aqueous

Laboratory Data

Lab Sample: B22G162-BLK1 Column: BEH C18

Labeled Standards
Type
% Recovery
Limits
Qualifiers
Batch
Extracted
Samp Size
Analyzed
Dilution

13C3-PFBA	IS	109	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C3-PFPcA	IS	111	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C3-PFBS	IS	114	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C3-HFPO-DA	IS	108	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-4:2 FTS	IS	116	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-PFHxA	IS	111	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C4-PFHxA	IS	114	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C3-PFHxS	IS	105	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-6:2 FTS	IS	102	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C5-PFNA	IS	108	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C8-PFOSA	IS	53.3	10 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-PFOA	IS	102	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C8-PFOS	IS	108	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-PFDA	IS	107	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-8:2 FTS	IS	116	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
d3-MeFOSAA	IS	96.2	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-PFUnA	IS	105	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
d5-EtFOSAA	IS	91.9	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-PFDaA	IS	93.3	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1
13C2-PFTeDA	IS	81.3	20 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:14	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:		B22G162-BS1		Column:	BEH C18		
Analyte		Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
L-PFBA		34.7	40.0	86.9	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFPeA		34.8	40.0	87.0	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFBS		33.5	40.0	83.8	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-4:2 FTS		36.5	40.4	90.5	60 - 145		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFHxA		34.4	40.0	85.9	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFPeS		33.7	40.0	84.3	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
HFPO-DA		36.3	40.0	90.6	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFHxA		33.3	40.0	83.3	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
ADONA		34.8	40.0	86.9	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
Total PFHxS		34.9	40.0	87.3	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-6:2 FTS		33.2	40.0	83.1	60 - 140		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
Total PFOA		34.7	40.0	86.6	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFHxA		31.5	40.0	78.7	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFNA		35.7	40.0	89.3	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFOSA		33.3	40.0	83.3	65 - 140		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
Total PFOS		32.5	40.0	81.4	65 - 140		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
9Cl-PF3ONS		32.4	40.0	80.9	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFDA		33.4	40.0	83.5	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-8:2FTS		35.5	40.0	88.8	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFNS		33.9	40.0	84.7	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
Total MeFOSAA		36.9	40.0	92.1	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
Total EtFOSAA		34.2	40.0	85.4	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFUnA		36.2	40.0	90.6	65 - 140		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFDS		33.6	40.0	84.0	50 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
11Cl-PF3OUdS		35.2	40.0	88.0	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFDaA		33.5	40.0	83.7	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFTrDA		29.5	40.0	73.8	60 - 140		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
L-PFTeDA		36.7	40.0	91.7	65 - 135		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
Labeled Standards		Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA		IS	101	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1	
13C3-PFPeA		IS	101	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1	
13C3-PFBS		IS	102	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1	
13C3-HFPO-DA		IS	98.7	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1	
13C2-4:2 FTS		IS	104	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1	
13C2-PFHxA		IS	104	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1	

Sample ID: OPR
PFAS Isotope Dilution Method
Client Data

Name: AECOM
 Project: GSU Groundwater Sampling

Matrix: Aqueous

Laboratory Data

Lab Sample: B22G162-BS1

Column: BEH C18

Labeled Standards

	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFHpA	IS	109	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C3-PFHxS	IS	99.5	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C2-6:2 FTS	IS	94.7	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C5-PFNA	IS	94.7	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C8-PFOSA	IS	55.8	10 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C2-PFOA	IS	96.2	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C8-PFOS	IS	106	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C2-PFDA	IS	106	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C2-8:2 FTS	IS	106	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
d3-MeFOSAA	IS	83.3	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C2-PFUnA	IS	95.9	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
d5-EtFOSAA	IS	86.9	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C2-PFDaA	IS	92.0	25 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1
13C2-PFTeDA	IS	75.5	20 - 150		B22G162	01-Aug-22	0.250 L	04-Aug-22 04:24	1

Sample ID: GW2207131230RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 12:30 <th>Lab Sample:</th> <td>2207129-01</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-01	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.68	0.980	1.96	3.92	J	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFPeA	2.20	0.980	1.96	3.92	J	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFBs	3.24	0.980	1.96	3.92	J	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-4:2 FTS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFHxA	2.39	0.980	1.96	3.92	J	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFPeS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
HFPO-DA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFHxA	1.25	0.980	1.96	3.92	J	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
ADONA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFHxS	4.03	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Br-PFHxS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Total PFHxS	4.95	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-6:2 FTS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFOA	4.38	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Br-PFOA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Total PFOA	5.01	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFHxS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFNA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFOSA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFOS	1.72	0.980	1.96	3.92	J	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Br-PFOS	1.17	0.980	1.96	3.92	J, Q	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Total PFOS	2.89	0.980	1.96	3.92	J	B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
9Cl-PF3ONS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFDA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-8:2FTS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFNS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-MeFOSAA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Br-MeFOSAA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Total MeFOSAA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-EtFOSAA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Br-EtFOSAA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
Total EtFOSAA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFUuN	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFDs	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
11Cl-PF3OUdS	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFDsA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			
L-PFTrDA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1			

Sample ID: GW2207131230RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207129-01</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207129-01</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-01	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 12:30	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.980	1.96	3.92		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	110	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C3-PFPeA	IS	106	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C3-PFBS	IS	111	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C3-HFPO-DA	IS	104	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-4:2 FTS	IS	109	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-PFHxA	IS	107	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C4-PFHxA	IS	106	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C3-PFHxS	IS	96.7	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-6:2 FTS	IS	94.2	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C5-PFNA	IS	100	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C8-PFOSA	IS	73.2	10 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-PFOA	IS	103	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C8-PFOS	IS	101	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-PFDA	IS	98.4	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-8:2 FTS	IS	92.7	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
d3-MeFOSAA	IS	94.2	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-PFUnA	IS	102	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
d5-EtFOSAA	IS	102	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-PFDaA	IS	97.6	25 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		
13C2-PFTeDA	IS	91.1	20 - 150		B22G162	01-Aug-22	0.255 L	04-Aug-22 04:35	1		

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207131155KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 11:55 <th>Lab Sample:</th> <td>2207129-02</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-02	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	2.80	0.985	1.97	3.94	J	B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFPeA	2.66	0.985	1.97	3.94	J	B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFBs	17.6	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-4:2 FTS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFHxA	3.93	0.985	1.97	3.94	J	B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFPeS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
HFPO-DA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFHpA	3.80	0.985	1.97	3.94	J	B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
ADONA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFHxS	12.7	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Br-PFHxS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Total PFHxS	13.4	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-6:2 FTS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFOA	6.08	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Br-PFOA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Total PFOA	6.62	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFHpS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFNA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFOSA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFOS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Br-PFOS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Total PFOS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
9Cl-PF3ONS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFDA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-8:2FTS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFNS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-MeFOSAA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Br-MeFOSAA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Total MeFOSAA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-EtFOSAA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Br-EtFOSAA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
Total EtFOSAA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFUuN	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFDs	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
11Cl-PF3OUdS	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFDsA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			
L-PFTrDA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1			

Sample ID: GW2207131155KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207129-02</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207129-02</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-02	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 11:55	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.985	1.97	3.94		B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	102	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C3-PFPeA	IS	102	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C3-PFBS	IS	110	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C3-HFPO-DA	IS	95.9	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-4:2 FTS	IS	105	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-PFHxA	IS	108	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C4-PFHxA	IS	106	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C3-PFHxS	IS	103	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-6:2 FTS	IS	101	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C5-PFNA	IS	94.1	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C8-PFOSA	IS	73.3	10 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-PFOA	IS	98.3	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C8-PFOS	IS	106	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-PFDA	IS	104	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-8:2 FTS	IS	102	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
d3-MeFOSAA	IS	94.6	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-PFUnA	IS	101	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
d5-EtFOSAA	IS	86.3	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-PFDaA	IS	90.4	25 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	
13C2-PFTeDA	IS	91.1	20 - 150			B22G162	01-Aug-22	0.254 L	04-Aug-22 04:45	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FD2207130855RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 08:55	Lab Sample:	2207129-03	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	6.29	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFPeA	11.9	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFBs	34.0	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-4:2 FTS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFHxA	15.1	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFPeS	1.97	0.975	1.95	3.90	J	B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
HFPO-DA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFHxA	13.2	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
ADONA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFHxS	53.6	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Br-PFHxS	5.49	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Total PFHxS	59.1	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-6:2 FTS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFOA	18.0	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Br-PFOA	2.98	0.975	1.95	3.90	J	B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Total PFOA	21.0	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFHxS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFNA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFOSA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFOS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Br-PFOS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Total PFOS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
9Cl-PF3ONS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFDA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-8:2FTS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFNS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-MeFOSAA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Br-MeFOSAA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Total MeFOSAA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-EtFOSAA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Br-EtFOSAA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
Total EtFOSAA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFUuN	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFDs	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
11Cl-PF3OUdS	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFDsA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			
L-PFTrDA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1			

Sample ID: FD2207130855RF

PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207129-03</td><th>Column:</th><td>BEH C18</td><th>Date Collected:</th><td>13-Jul-22 08:55</td><th>Date Received:</th><td>15-Jul-22 09:10</td></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207129-03</td> <th>Column:</th> <td>BEH C18</td> <th>Date Collected:</th> <td>13-Jul-22 08:55</td> <th>Date Received:</th> <td>15-Jul-22 09:10</td>	Lab Sample:	2207129-03	Column:	BEH C18	Date Collected:	13-Jul-22 08:55	Date Received:	15-Jul-22 09:10
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.975	1.95	3.90		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	105	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C3-PFPeA	IS	98.0	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C3-PFBS	IS	102	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C3-HFPO-DA	IS	99.3	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-4:2 FTS	IS	106	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-PFHxA	IS	109	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C4-PFHxA	IS	103	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C3-PFHxS	IS	96.9	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-6:2 FTS	IS	90.4	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C5-PFNA	IS	95.2	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C8-PFOSA	IS	75.7	10 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-PFOA	IS	93.7	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C8-PFOS	IS	101	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-PFDA	IS	100	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-8:2 FTS	IS	96.5	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
d3-MeFOSAA	IS	94.5	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-PFUnA	IS	97.3	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
d5-EtFOSAA	IS	101	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-PFDaA	IS	88.8	25 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		
13C2-PFTeDA	IS	90.9	20 - 150		B22G162	01-Aug-22	0.257 L	04-Aug-22 04:55	1		

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207131255KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 12:55 <th>Lab Sample:</th> <td>2207129-04</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-04	Column:	BEH C18				
Location:	GSU Groundwater Sampling	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.45	0.987	1.98	3.95	J	B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFPeA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFBs	2.07	0.987	1.98	3.95	J	B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-4:2 FTS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFHxA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFPeS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
HFPO-DA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFHpA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
ADONA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFHxS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Br-PFHxS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Total PFHxS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-6:2 FTS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFOA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Br-PFOA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Total PFOA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFHpS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFNA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFOSA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFOS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Br-PFOS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Total PFOS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
9Cl-PF3ONS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFDA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-8:2FTS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFNS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-MeFOSAA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Br-MeFOSAA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Total MeFOSAA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-EtFOSAA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Br-EtFOSAA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
Total EtFOSAA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFUuN	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFDs	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
11Cl-PF3OUdS	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFDsA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			
L-PFTrDA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1			

Sample ID: GW2207131255KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207129-04</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207129-04</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-04	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 12:55	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.987	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	110	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C3-PFPeA	IS	99.7	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C3-PFBS	IS	109	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C3-HFPO-DA	IS	97.0	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-4:2 FTS	IS	107	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-PFHxA	IS	113	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C4-PFHxA	IS	111	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C3-PFHxS	IS	104	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-6:2 FTS	IS	107	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C5-PFNA	IS	102	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C8-PFOSA	IS	77.9	10 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-PFOA	IS	100	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C8-PFOS	IS	111	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-PFDA	IS	108	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-8:2 FTS	IS	96.4	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
d3-MeFOSAA	IS	100	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-PFUnA	IS	93.2	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
d5-EtFOSAA	IS	94.7	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-PFDaA	IS	91.1	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	
13C2-PFTeDA	IS	92.1	20 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:06	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: GW2207131345KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data											
Name:	AECOM	Matrix:	Aqueous	Date Collected:	13-Jul-22 13:45	Lab Sample:	2207129-05	Column:	BEH C18				
Location:	GSU Groundwater Sampling RI-MW035(49-50)	Date Received:	15-Jul-22 09:10										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution			
L-PFBA	1.02	0.986	1.98	3.95	J	B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFPeA	4.12	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFBs	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-4:2 FTS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFHxA	3.62	0.986	1.98	3.95	J	B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFPeS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
HFPO-DA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFHpA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
ADONA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFHxS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Br-PFHxS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Total PFHxS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-6:2 FTS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFOA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Br-PFOA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Total PFOA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFHpS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFNA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFOSA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFOS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Br-PFOS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Total PFOS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
9Cl-PF3ONS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFDA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-8:2FTS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFNS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-MeFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Br-MeFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Total MeFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-EtFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Br-EtFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
Total EtFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFUuN	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFDs	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
11Cl-PF3OUdS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFDsA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			
L-PFTrDA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1			

Sample ID: GW2207131345KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207129-05</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207129-05</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-05	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 13:45	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	105	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C3-PFPeA	IS	108	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C3-PFBS	IS	109	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C3-HFPO-DA	IS	107	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-4:2 FTS	IS	109	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-PFHxA	IS	110	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C4-PFHxA	IS	108	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C3-PFHxS	IS	98.3	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-6:2 FTS	IS	95.4	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C5-PFNA	IS	101	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C8-PFOSA	IS	69.6	10 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-PFOA	IS	101	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C8-PFOS	IS	105	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-PFDA	IS	101	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-8:2 FTS	IS	91.0	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
d3-MeFOSAA	IS	97.2	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-PFUnA	IS	97.5	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
d5-EtFOSAA	IS	98.5	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-PFDaA	IS	98.1	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	
13C2-PFTeDA	IS	95.4	20 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:16	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: EB2207131355KN
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	2207129-06	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 13:55	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFBA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFPeA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFBs	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-4:2 FTS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFHxA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFPeS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
HFPO-DA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFHpA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
ADONA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFHxS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Br-PFHxS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Total PFHxS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-6:2 FTS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFOA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Br-PFOA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Total PFOA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFHpS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFNA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFOSA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFOS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Br-PFOS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Total PFOS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
9Cl-PF3ONS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFDA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-8:2FTS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFNS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-MeFOSAA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Br-MeFOSAA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Total MeFOSAA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-EtFOSAA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Br-EtFOSAA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Total EtFOSAA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFUuN	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFDs	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
11Cl-PF3OUdS	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFDsA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
L-PFTrDA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	

Sample ID: EB2207131355KN
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207129-06</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207129-06</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-06	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 13:55	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	1.00	2.01	4.01		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBA	IS	102	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C3-PFPeA	IS	105	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C3-PFBS	IS	110	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C3-HFPO-DA	IS	98.7	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-4:2 FTS	IS	103	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-PFHxA	IS	108	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C4-PFHxA	IS	109	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C3-PFHxS	IS	104	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-6:2 FTS	IS	94.4	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C5-PFNA	IS	99.1	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C8-PFOSA	IS	58.5	10 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-PFOA	IS	98.6	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C8-PFOS	IS	106	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-PFDA	IS	103	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-8:2 FTS	IS	103	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
d3-MeFOSAA	IS	92.6	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-PFUnA	IS	102	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
d5-EtFOSAA	IS	86.3	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-PFDaA	IS	97.5	25 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		
13C2-PFTeDA	IS	89.1	20 - 150		B22G162	01-Aug-22	0.249 L	04-Aug-22 05:27	1		

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: FB2207131445RF
PFAS Isotope Dilution Method

Client Data		Laboratory Data									
Name:	AECOM	Matrix:	Aqueous	Lab Sample:	2207129-07	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 14:45	Date Received:	15-Jul-22 09:10						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFBA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFPeA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFBs	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-4:2 FTS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFHxA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFPeS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
HFPO-DA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFHpA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
ADONA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFHxS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Br-PFHxS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Total PFHxS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-6:2 FTS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFOA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Br-PFOA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Total PFOA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFHpS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFNA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFOSA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFOS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Br-PFOS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Total PFOS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
9Cl-PF3ONS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFDA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-8:2FTS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFNS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-MeFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Br-MeFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Total MeFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-EtFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Br-EtFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Total EtFOSAA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFUuN	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFDs	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
11Cl-PF3OUdS	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFDsA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
L-PFTrDA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	

Sample ID: FB2207131445RF
PFAS Isotope Dilution Method

Client Data				Laboratory Data							
Name:	AECOM <th>Matrix:</th> <td>Aqueous<th>Lab Sample:</th><td>2207129-07</td><th>Column:</th><td>BEH C18</td><th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></td>	Matrix:	Aqueous <th>Lab Sample:</th> <td>2207129-07</td> <th>Column:</th> <td>BEH C18</td> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Lab Sample:	2207129-07	Column:	BEH C18				
Project:	GSU Groundwater Sampling	Date Collected:	13-Jul-22 14:45 <th>Date Received:</th> <td>15-Jul-22 09:10<th data-cs="4" data-kind="parent"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></td>	Date Received:	15-Jul-22 09:10 <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>						
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
L-PFTeDA	ND	0.986	1.98	3.95		B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	110	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C3-PFPeA	IS	116	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C3-PFBS	IS	112	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C3-HFPO-DA	IS	106	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-4:2 FTS	IS	121	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-PFHxA	IS	117	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C4-PFHxA	IS	114	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C3-PFHxS	IS	111	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-6:2 FTS	IS	109	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C5-PFNA	IS	108	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C8-PFOSA	IS	52.3	10 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-PFOA	IS	99.4	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C8-PFOS	IS	112	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-PFDA	IS	113	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-8:2 FTS	IS	116	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
d3-MeFOSAA	IS	86.9	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-PFUnA	IS	108	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
d5-EtFOSAA	IS	85.6	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-PFDaA	IS	98.7	25 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	
13C2-PFTeDA	IS	92.1	20 - 150			B22G162	01-Aug-22	0.253 L	04-Aug-22 05:37	1	

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses $\frac{1}{2}$ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Pennsylvania Department of Environmental Protection	018
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenz-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



Sample Log-In Checklist

Page # 1 of 2

Vista Work Order #: 2207129 TAT 57J

Samples Arrival:	Date/Time <u>07/15/22 0910</u>	Initials: <u>JWS</u>	Location: <u>WR-2</u>				
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice	Blue Ice		Techni Ice	Dry Ice	None	
Temp °C: <u>0.6</u> (uncorrected)	Probe used: Y / <u>N</u>			Thermometer ID: <u>IR-4</u>			
Temp °C: <u>0.4</u> (corrected)							

	YES	NO	NA				
Shipping Container(s) Intact?	✓						
Shipping Custody Seals Intact?	✓						
Airbill — Trk # <u>1755 4021 6337</u>	✓						
Shipping Documentation Present?	✓						
Shipping Container	Vista	Client	Retain	Return	Dispose		
Chain of Custody / Sample Documentation Present?	✓						
Chain of Custody / Sample Documentation Complete?	✓	④					
Holding Time Acceptable?	✓						
Logged In:	Date/Time <u>07/18/22 13:13</u>	Initials: <u>KA</u>	Location: <u>A-13, WR-2</u>	Shelf/Rack: <u>A-4, F-6</u>			
COC Anomaly/Sample Acceptance Form completed?					✓		

Comments: ④ COC not relinquished



Sample Log-In Checklist

Page # 2 of 2

Vista Work Order #: 2207129 TAT 5:16

Samples Arrival:	Date/Time		Initials:		Location: WR-2		
	<u>07/15/22</u>	<u>0910</u>	<u>KW</u>		Shelf/Rack: N/A		
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice	Blue Ice		Techni Ice	Dry Ice		None
Temp °C: <u>2.8</u> (uncorrected)	Probe used: Y / <u>N</u>			Thermometer ID: <u>TR-3</u>			
Temp °C: <u>2.7</u> (corrected)							

	YES	NO	NA				
Shipping Container(s) Intact?	✓						
Shipping Custody Seals Intact?	✓						
Airbill <u>2</u> Trk # <u>2755 4016 3925</u>	✓						
Shipping Documentation Present?	✓						
Shipping Container	Vista	Client	Retain	Return	Dispose		
Chain of Custody / Sample Documentation Present?	✓	✓					
Chain of Custody / Sample Documentation Complete?				✓			
Holding Time Acceptable?	✓						
Logged In:	Date/Time <u>07/18/22 13:13</u>	Initials: <u>16</u>	Location: R-12, WR-2				
Shelf/Rack: A-4 F-6							
COC Anomaly/Sample Acceptance Form completed?					✓		

Comments: (A) COC received in Cooler 1

CoC/Label Reconciliation Report WO# 2207129

Lab Number	CoC Sample ID	Sample Alias	Sample Date/Time	Container	Base Matrix	Sample Comments
2207129-01	A GW2207131230RF	DEQ-LD-MW003 <i>C1</i>	13-Jul-22 12:30	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-01	B GW2207131230RF	DEQ-LD-MW003 <i>C1</i>	13-Jul-22 12:30	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-02	A GW2207131155KN	RI-MW035(30-31) <i>C2</i>	13-Jul-22 11:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-02	B GW2207131155KN	RI-MW035(30-31)	13-Jul-22 11:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-03	A FD2207130855RF	RI-MW032(18-23) <i>unsp</i> → 100	13-Jul-22 08:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-03	B FD2207130855RF	RI-MW032(18-23)	13-Jul-22 08:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-04	A GW2207131255KN	RI-MW035(39-40)	13-Jul-22 12:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-04	B GW2207131255KN	RI-MW035(39-40)	13-Jul-22 12:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-05	A GW2207131345KN	RI-MW035(49-50)	13-Jul-22 13:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-05	B GW2207131345KN	RI-MW035(49-50)	13-Jul-22 13:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-06	A EB2207131355KN	RI-MW035(49-50)	13-Jul-22 13:55	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2207129-07	A FB2207131445RF		13-Jul-22 14:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous

Checkmarks indicate that information on the COC reconciled with the sample label.

Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>		
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>		

Comments:

*A) Sample Label ID - FB2207131444 RF
① no backup volume*

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: 140711922

ANOMALY FORM

Vista Work Order

2207129

Initial/Date The following checked issues were noted during sample receipt and login:

1. The samples were received out of temperature at (W-PHT): _____
Was Ice present: Yes No Melted Blue Ice
- 16A07119122 2. The Chain-of-Custody (CoC) was not relinquished properly.
3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
- 16A07119122 4. The sample(s) did not include a sample collection time. All or Sample Name: _____
5. A sample ID discrepancy was found. See the Reconciliation report.
The CoC Sample ID will be used unless notified otherwise.
6. A sample date and/or time discrepancy was found. See the Reconciliation report.
The CoC Sample date/time will be used unless notified otherwise.
7. The CoC did not include a sample matrix. The following sample matrix will be used: _____
8. Insufficient volume received for analysis. All or Sample Name: _____
9. The backup bottle was received broken. Sample Name: _____
10. CoC not received, illegible or destroyed.
11. The sample(s) were received out of holding time. All or Sample Name: _____
12. The CoC did not include an analysis. All or Sample Name: _____
13. Sample(s) received without collection date. All or Sample Name: _____
14. Sample(s) not received. All or Sample Name: _____
15. Sample(s) received broken. All or Sample Name: _____
16. An incorrect container-type was used. All or Sample Name: _____
17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples.
Will proceed with analysis and narrate unless notified otherwise.
18. Other: _____

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Vista Client Manager: _____

Resolution: _____

Appendix B – Groundwater Elevation Figures

Legend

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well
- NA = No Measurement

*Van Etten
Lake***DRAFT DELIBERATIVE
FOIA EXEMPT**

GSU YEAR 3 EVENT 1
COLBATH AREA
GROUNDWATER ELEVATION
JANUARY 2022
SHEET 1 OF 2

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 550 1,100
Feet



Legend

-  GSU Monitoring Well
-  Wurtsmith PFAS
-  Groundwater Investigation Monitoring Well
- NA = No Measurement



Legend

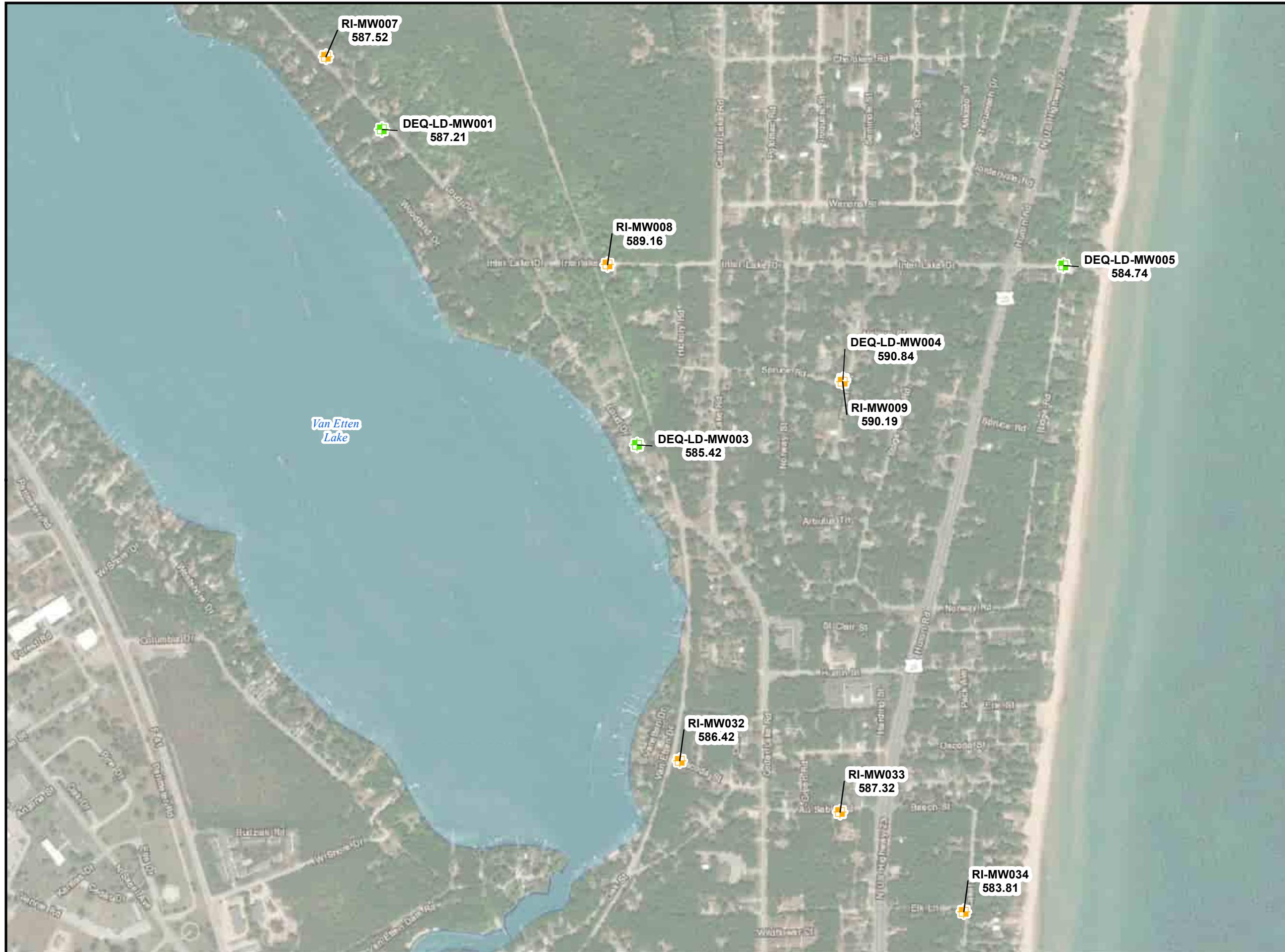
- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well
- NA = No Measurement

**DRAFT DELIBERATIVE
FOIA EXEMPT**

GSU YEAR 3 EVENT 1
LOUD DRIVE AREA
GROUNDWATER ELEVATION
JANUARY 2022
SHEET 1 OF 2

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 650 1,300
Feet



Legend

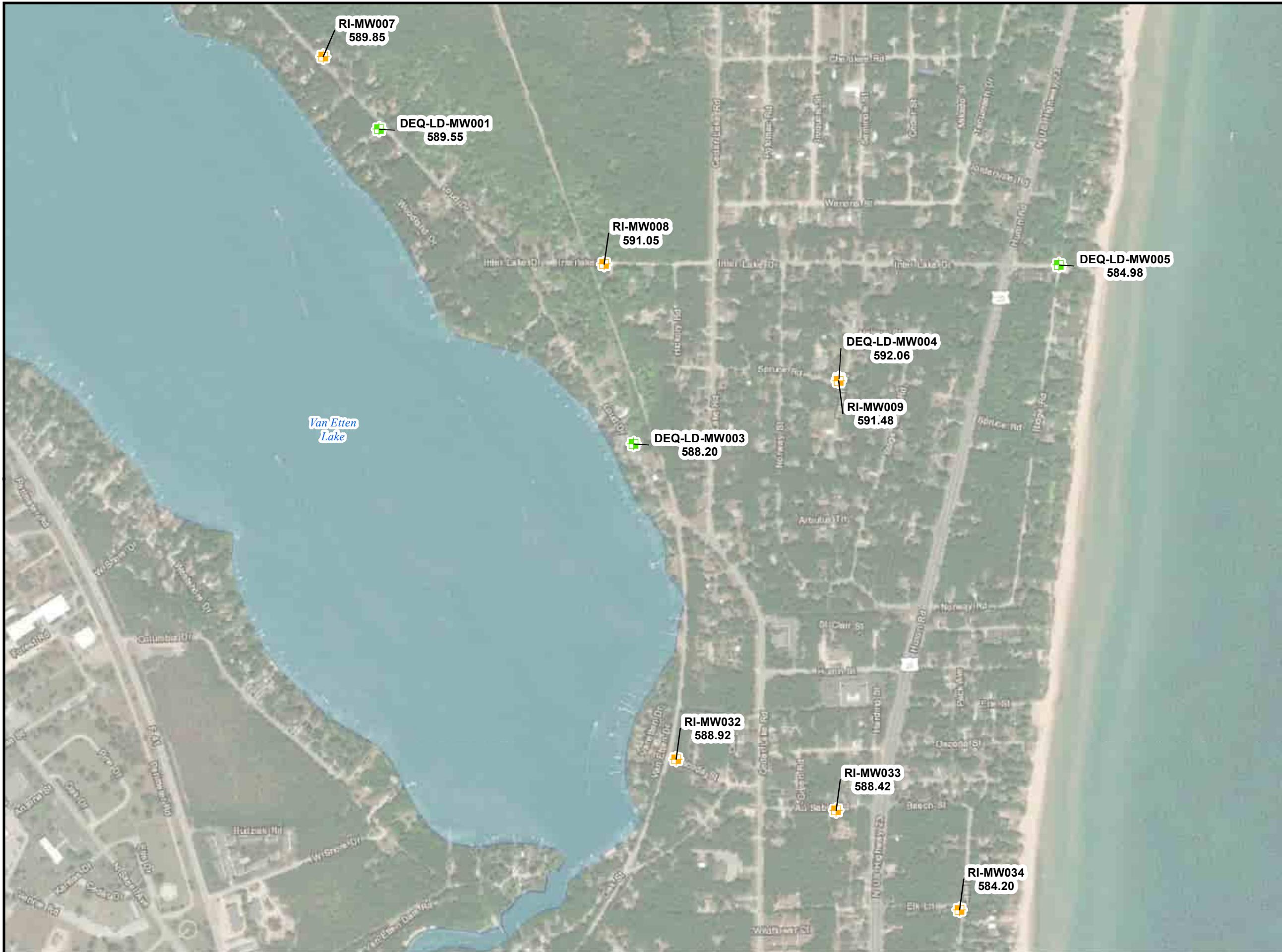
- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well
- NA = No Measurement

**DRAFT DELIBERATIVE
FOIA EXEMPT**

GSU YEAR 3 EVENT 2
LOUD DRIVE AREA
GROUNDWATER ELEVATION
JULY 2022
SHEET 2 OF 2

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 650 1,300
Feet



Legend

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well
- NA = No Measurement

**DRAFT DELIBERATIVE
FOIA EXEMPT**

GSU YEAR 3 EVENT 1
OSCODA HS AREA
GROUNDWATER ELEVATION
JANUARY 2022
SHEET 1 OF 2

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 550 1,100
Feet



Legend

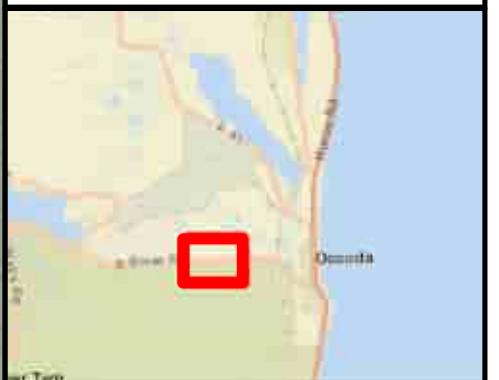
- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well
- NA = No Measurement

**DRAFT DELIBERATIVE
FOIA EXEMPT**

GSU YEAR 3 EVENT 2
OSCODA HS AREA
GROUNDWATER ELEVATION
JULY 2022
SHEET 2 OF 2

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 550 1,100
Feet



Appendix C – Groundwater Analytical Figures



EGLE

9/6/2022

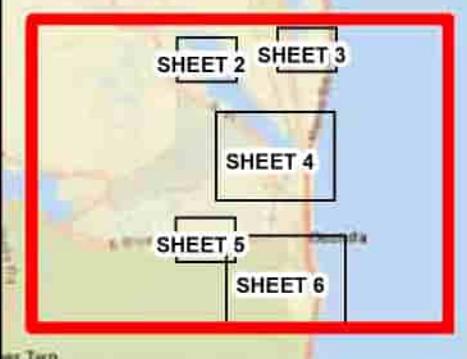
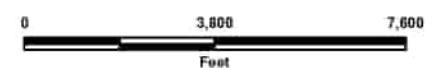
Legend

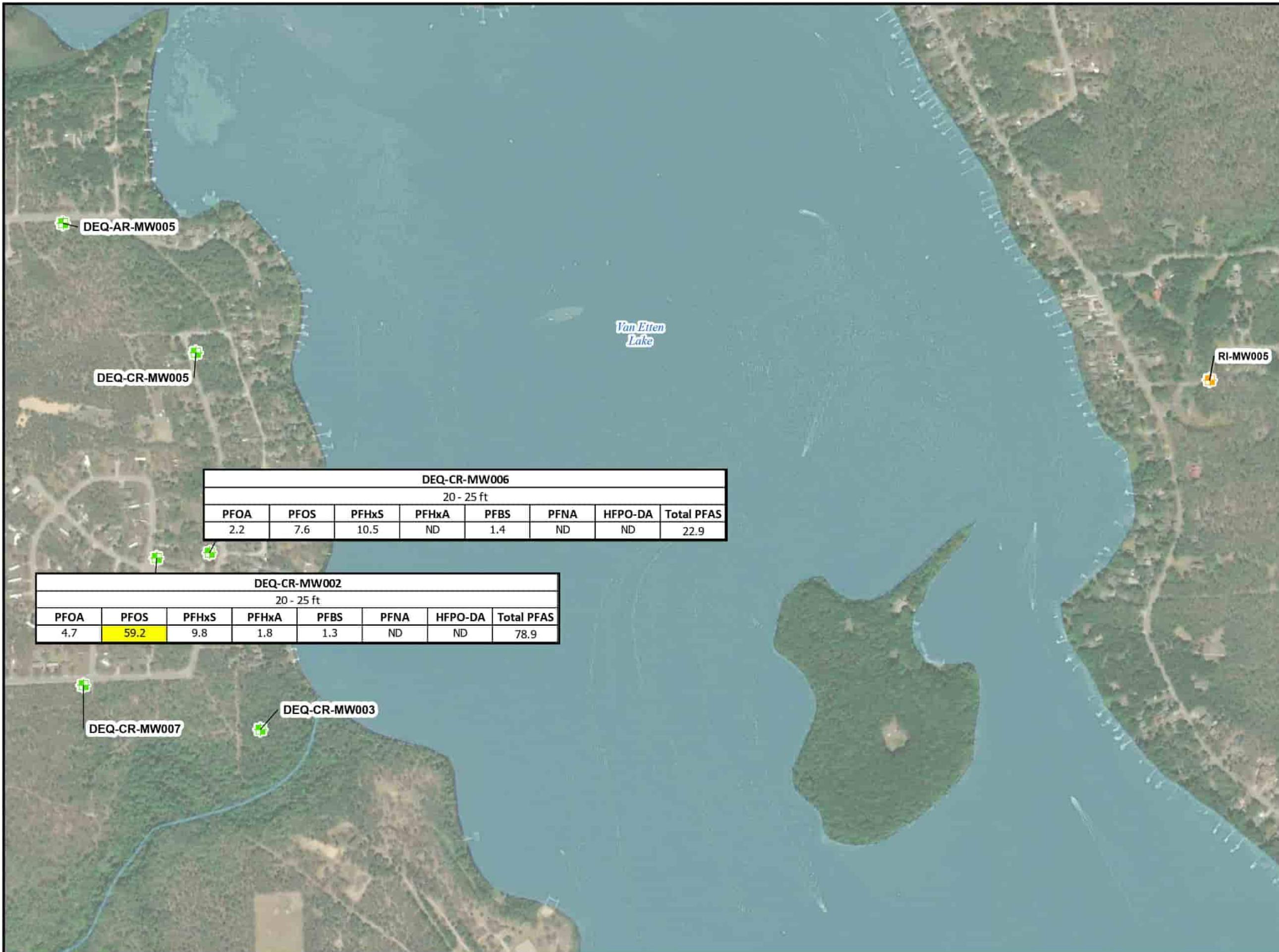
- GSU Monitoring Well
 - Wurtsmith PFAS
 - Groundwater Investigation Monitoring Well

**DRAFT DELIBERATIVE
FOIA EXEMPT**

GSU YEAR 3 EVENT 1
GROUNDWATER SAMPLING
JANUARY 2022
SHEET 1 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN



**Legend**

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

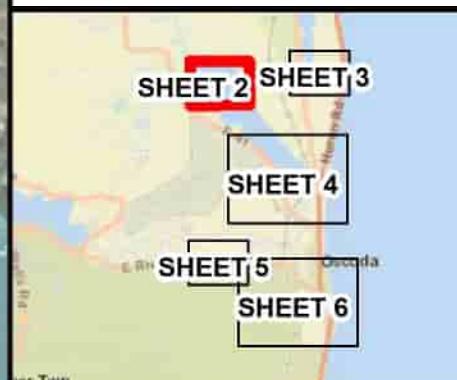
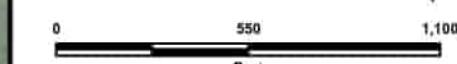
Yellow highlight = Exceedance of Michigan Part 201 criteria

* No results = Well not sampled

DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 1
GROUNDWATER SAMPLING
JANUARY 2022
SHEET 2 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN



Legend

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

Yellow highlight = Exceedance of Michigan Part 201 criteria

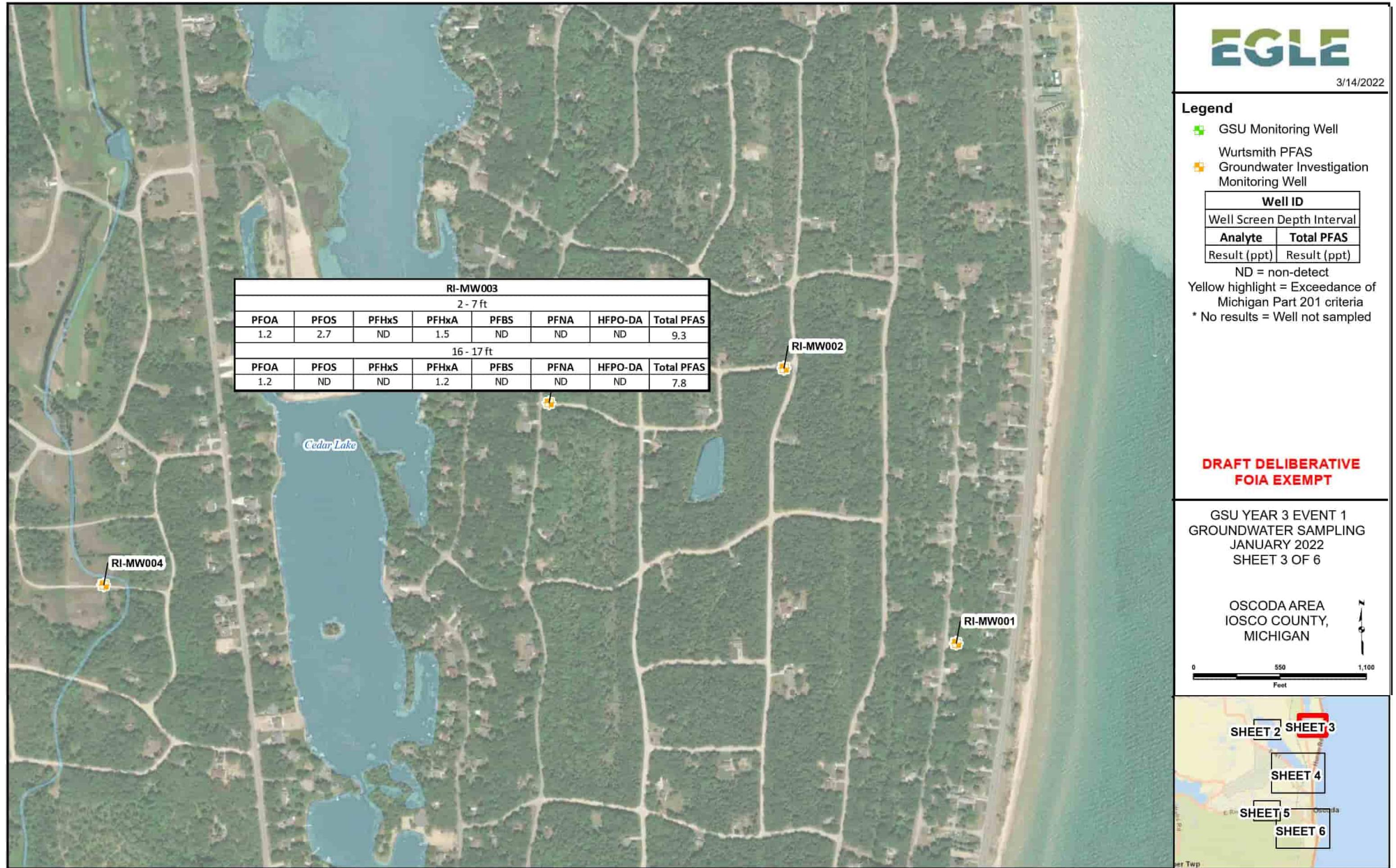
* No results = Well not sampled

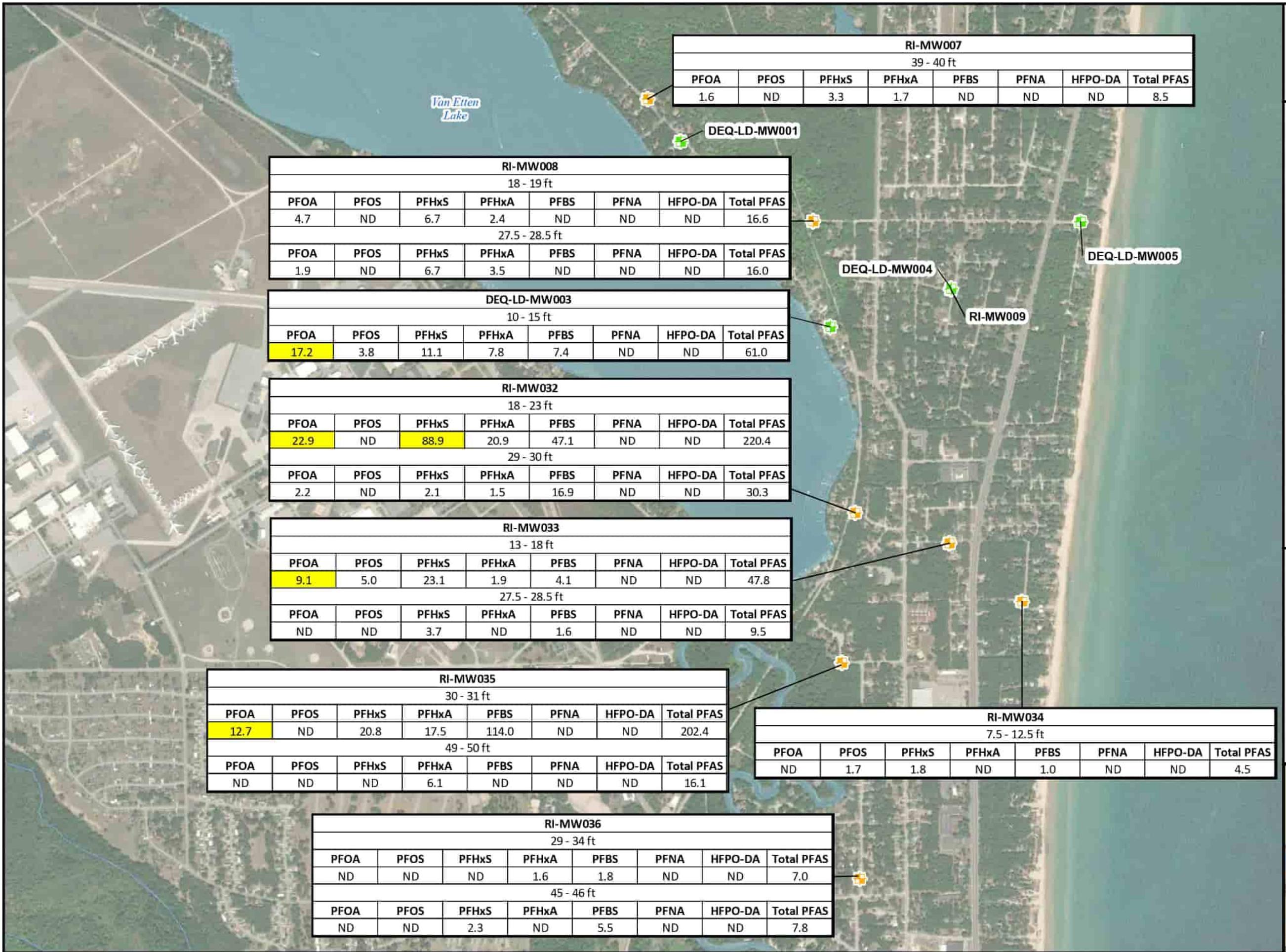
DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 1
GROUNDWATER SAMPLING
JANUARY 2022
SHEET 3 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 550 1,100
Feet



**Legend**

■	GSU Monitoring Well
■	Wurtsmith PFAS
■	Groundwater Investigation Monitoring Well
Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

Yellow highlight = Exceedance of Michigan Part 201 criteria

* No results = Well not sampled

DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 1
GROUNDWATER SAMPLING
JANUARY 2022
SHEET 4 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 1,100 2,200
Feet

SHEET 2 SHEET 3

SHEET 4

SHEET 5 SHEET 6

Legend

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

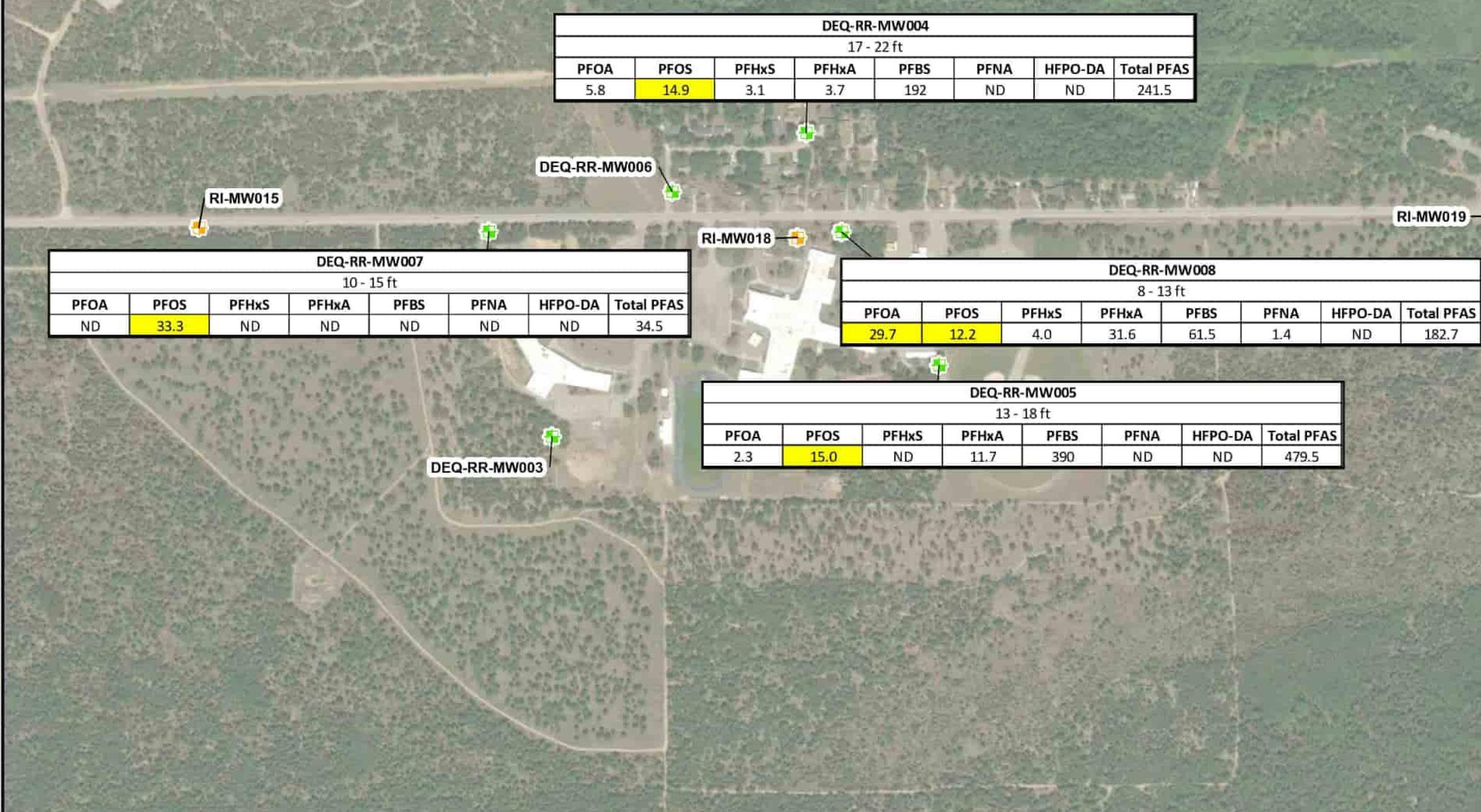
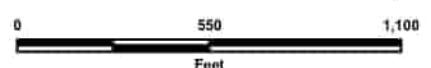
Yellow highlight = Exceedance of Michigan Part 201 criteria

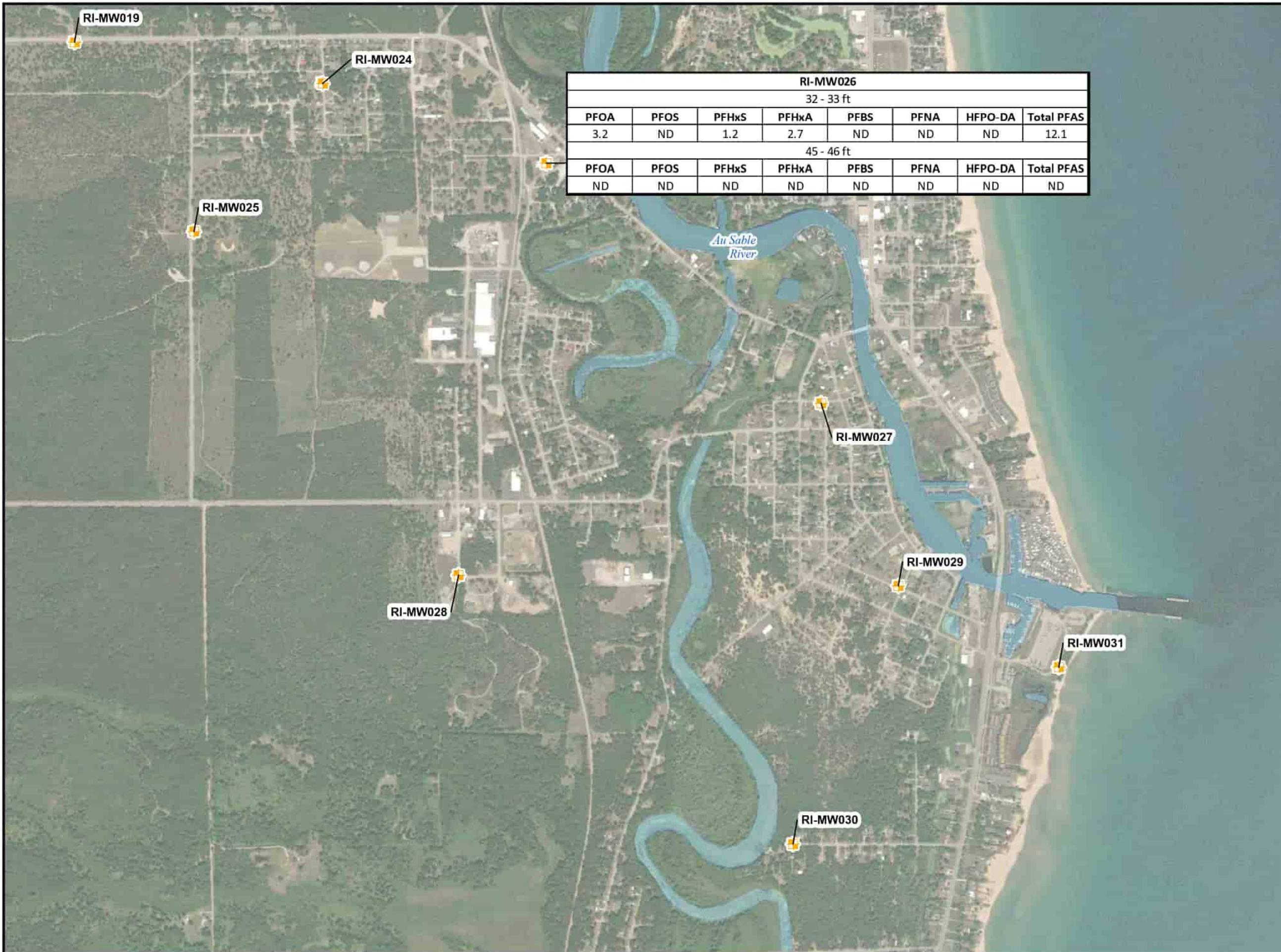
* No results = Well not sampled

DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 1
GROUNDWATER SAMPLING
JANUARY 2022
SHEET 5 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN





Legend

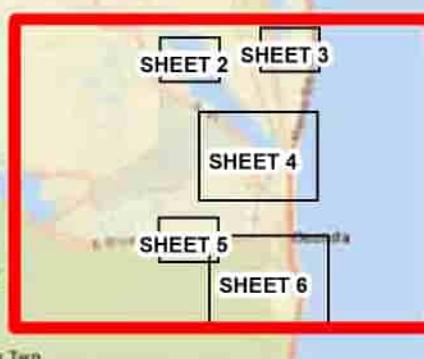
- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

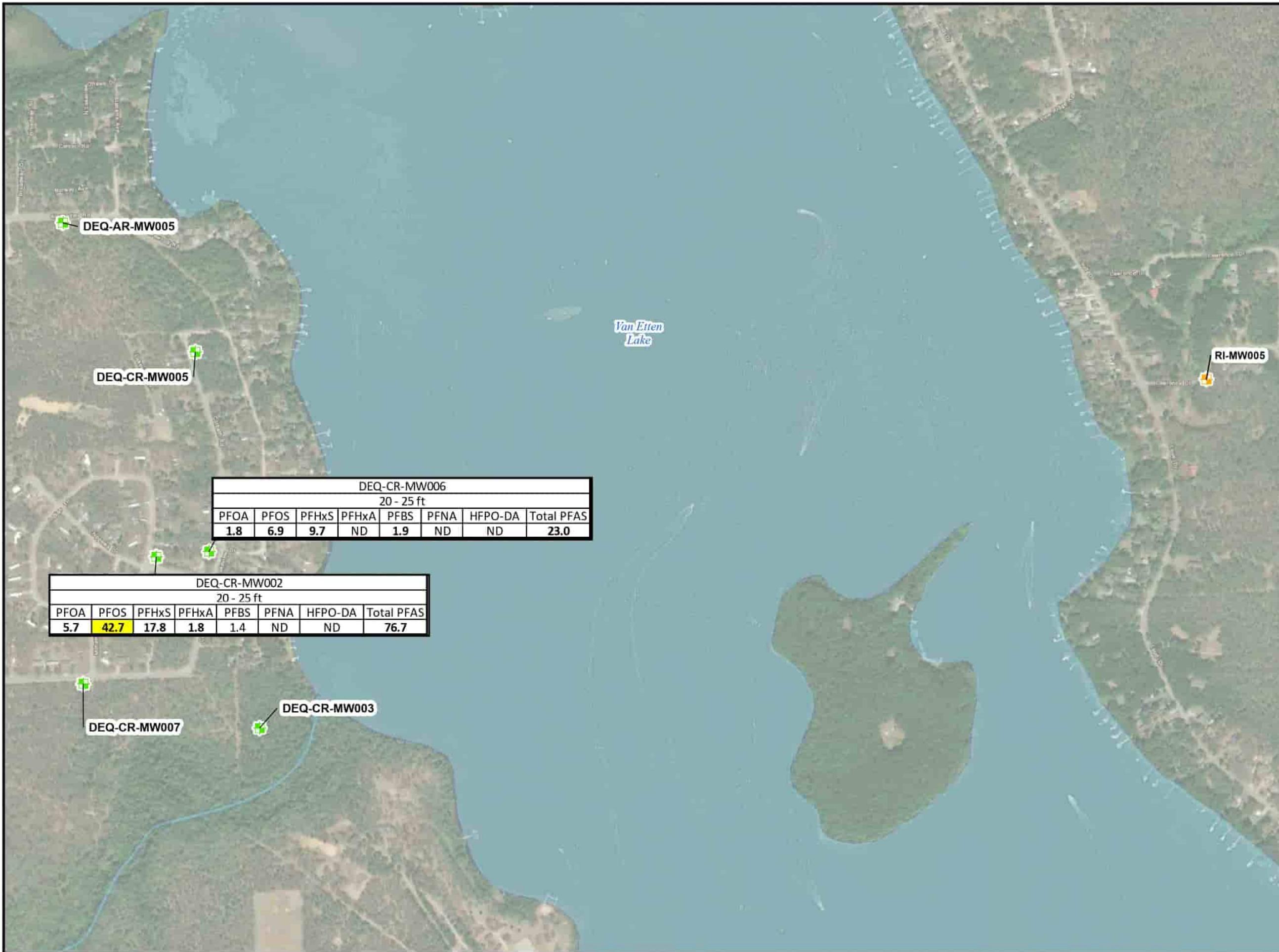
DRAFT DELIBERATIVE
FOIA EXEMPT

GSU YEAR 3 EVENT 2
GROUNDWATER SAMPLING
JULY 2022
SHEET 1 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 3,800 7,600
Feet



**Legend**

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

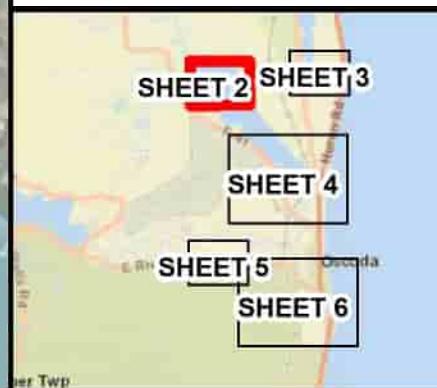
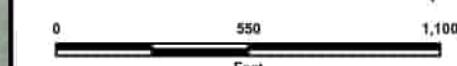
Yellow highlight = Exceedance of Michigan Part 201 criteria

* No results = Well not sampled

DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 2
GROUNDWATER SAMPLING
JULY 2022
SHEET 2 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN



Legend

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

Yellow highlight = Exceedance of Michigan Part 201 criteria

* No results = Well not sampled

RI-MW003							
2 - 7 ft							
PFOA	PFOS	PFHxS	PFHxA	PFBS	PFNA	HFPO-DA	Total PFAS
1.3	3.9	1.8	4.6	1.5	ND	ND	20.9

Cedar Lake

RI-MW004

RI-MW002

RI-MW001

DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 2
GROUNDWATER SAMPLING
JULY 2022
SHEET 3 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

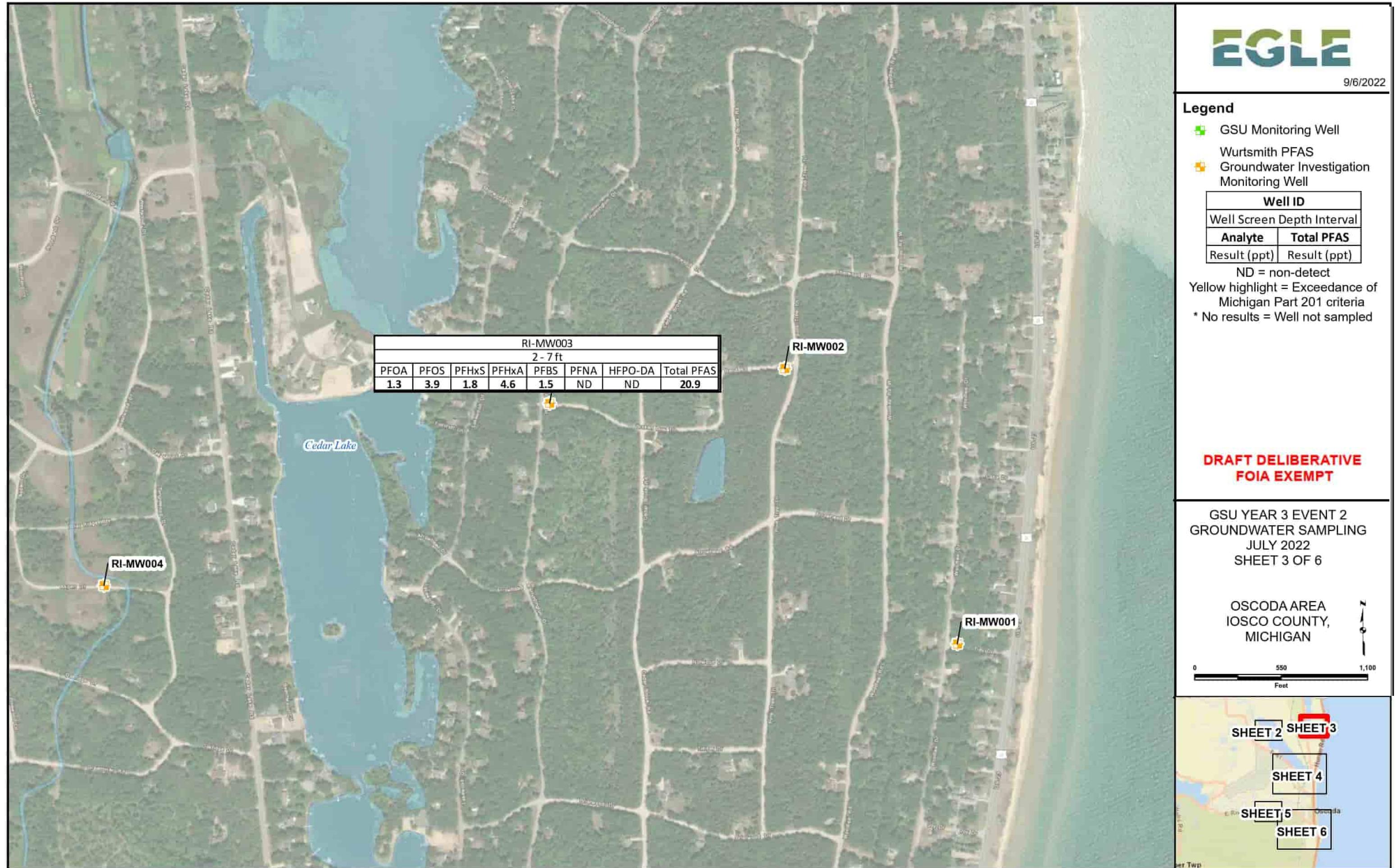
0 550 1,100
Feet

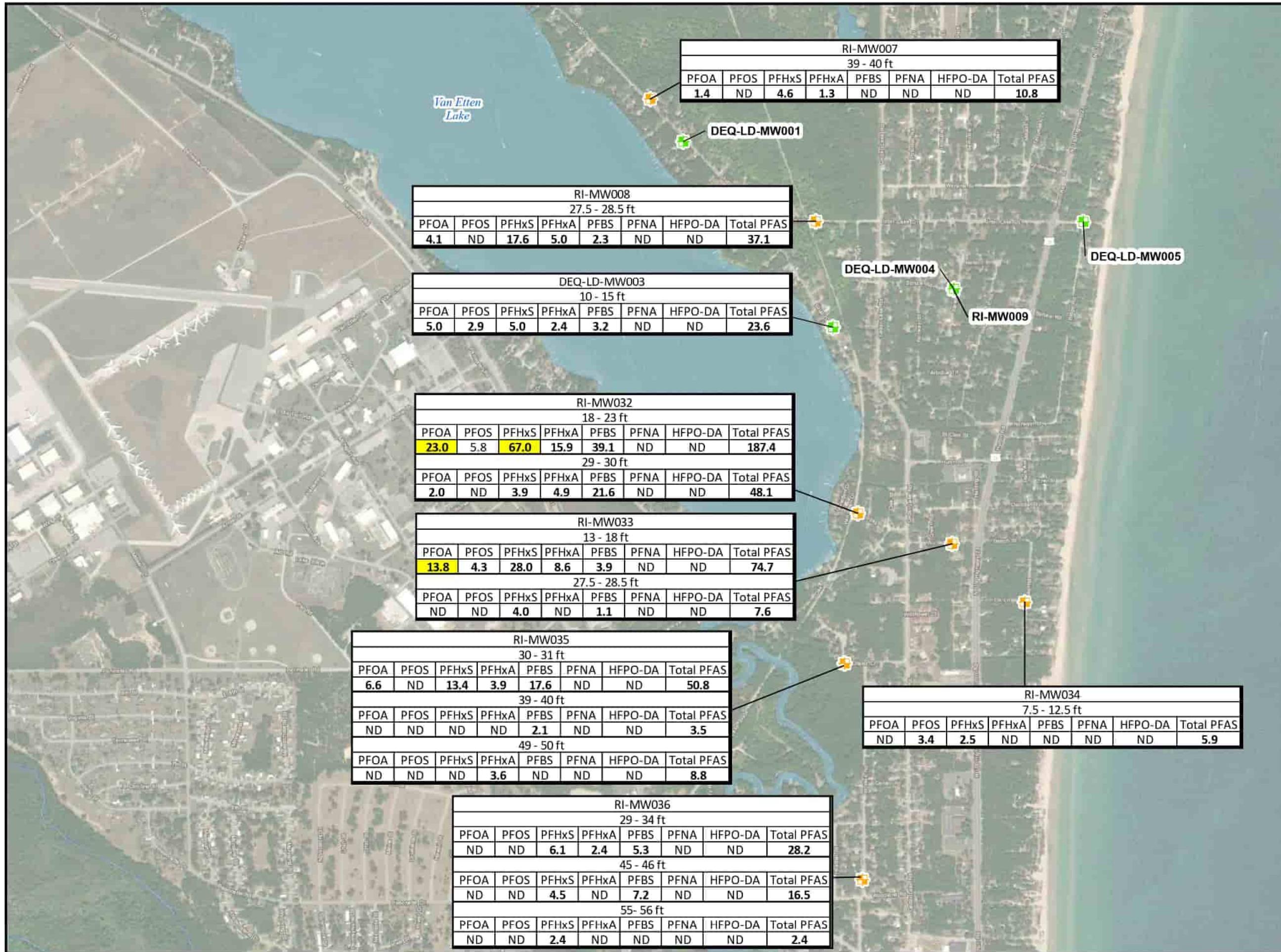
SHEET 2 SHEET 3

SHEET 4

SHEET 5

SHEET 6



**Legend**

- GSU Monitoring Well

- Wurtsmith PFAS

- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

Yellow highlight = Exceedance of Michigan Part 201 criteria

* No results = Well not sampled

DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 2
GROUNDWATER SAMPLING
JULY 2022
SHEET 4 OF 6

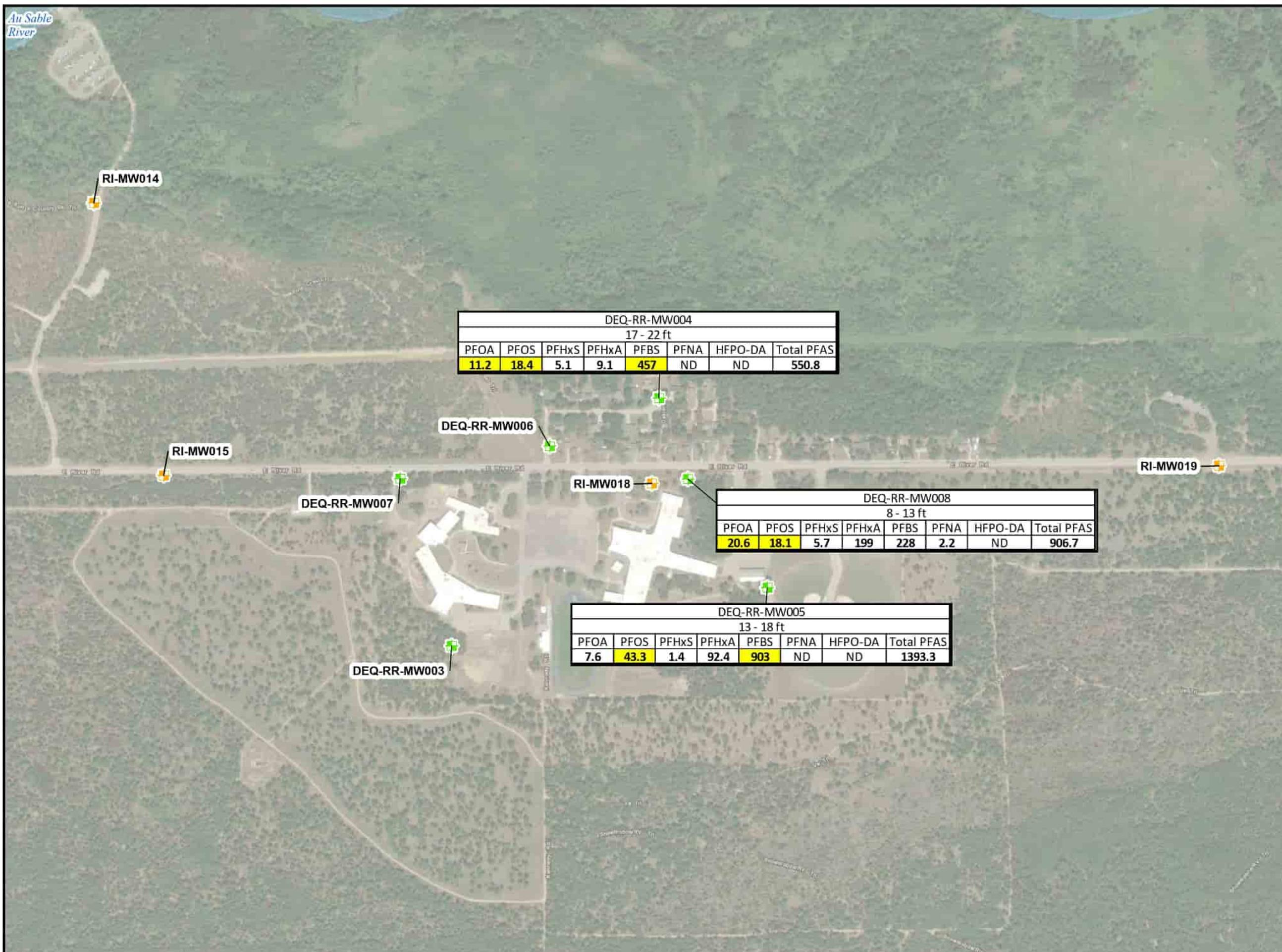
OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 1,100 2,200
Feet

SHEET 2 SHEET 3

SHEET 4

SHEET 5 SHEET 6

**Legend**

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

Yellow highlight = Exceedance of Michigan Part 201 criteria

* No results = Well not sampled

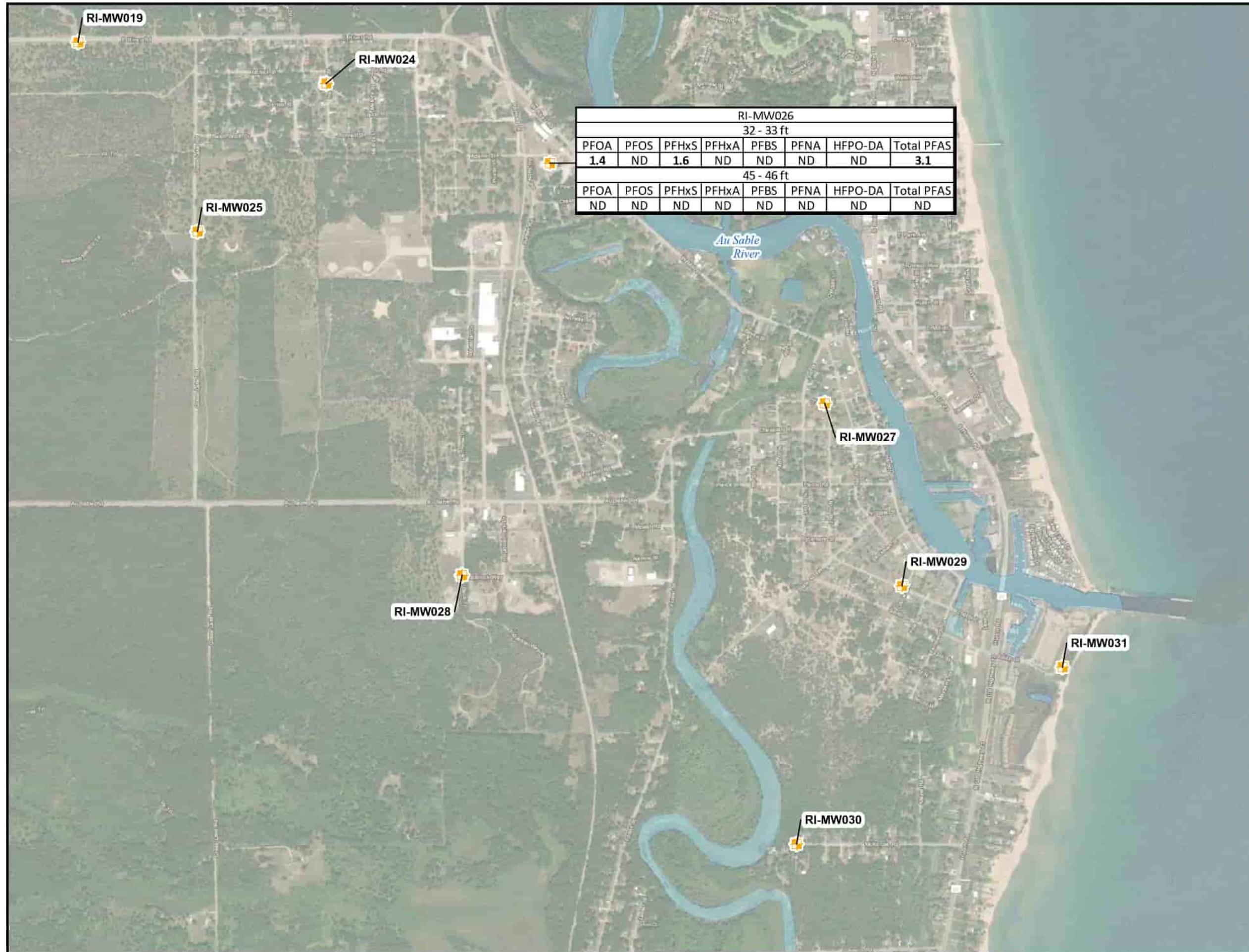
DRAFT DELIBERATIVE FOIA EXEMPT

GSU YEAR 3 EVENT 2
GROUNDWATER SAMPLING
JULY 2022
SHEET 5 OF 6

OSCODA AREA
IOSCO COUNTY,
MICHIGAN

0 550 1,100
Feet



**Legend**

- GSU Monitoring Well
- Wurtsmith PFAS
- Groundwater Investigation Monitoring Well

Well ID	
Well Screen Depth Interval	
Analyte	Total PFAS
Result (ppt)	Result (ppt)

ND = non-detect

Yellow highlight = Exceedance of Michigan Part 201 criteria

* No results = Well not sampled

GSU YEAR 3 EVENT 2 GROUNDWATER SAMPLING JULY 2022 SHEET 6 OF 6OSCODA AREA
IOSCO COUNTY,
MICHIGAN0 1,100 2,200
Feet

AECOM
3950 Sparks Drive Southeast
Grand Rapids, MI 49546
aecom.com