

Unvalidated PCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method SM 4500-NH3 G (mg/L)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
IRZ-09-100	IRZ-09-100-Q222	N	EP	N/A	GW	6/13/2022	-	-	-	18	-	48 J
IRZ-13D-210	IRZ-13D-210-Q222	N	EP	N/A	GW	6/13/2022	-	-	-	500	-	< 20 UJ
IRZ-13S-095	IRZ-13S-095-Q222	N	EP	N/A	GW	6/13/2022	-	-	-	23	-	< 20 U
IRZ-23-143	IRZ-23-143-Q222	N	EP	N/A	GW	6/13/2022	-	-	-	660	-	< 20 UJ
MW-20-070	MW-20-070-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	0.62 J	35	610 J	610 J	< 20 U
MW-20-100	MW-20-100-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	< 0.10 UJ	66	910 J	980 J	< 20 UJ
MW-20-130	MW-20-130-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	< 0.10 UJ	32	1700 J	1600 J	< 20 U
MW-20-130	MW-903-Q222	FD	N/A	MW-20-130-Q222	GW	6/13/2022	< 0.20 U	< 0.10 UJ	34	1700 J	1700 J	40 J
MW-21	MW-21-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	8.2	38 J	< 0.20 U	3.8	1100
MW-22	MW-22-Q222	N	LF	N/A	GW	5/5/2022	-	3.7 J	110 J	< 1.0 U	< 1.0 U	4300
MW-22	MW-904-Q222	FD	N/A	MW-22-Q222	GW	5/5/2022	-	5.1 J	150 J	< 1.0 U	< 1.0 U	4800
MW-26	MW-26-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	< 0.10 U	88 J	140	130	49
MW-27-020	MW-27-020-Q222	N	LF	N/A	GW	5/5/2022	-	0.55 J	75 J	< 0.20 U	< 1.0 U	< 20 U
MW-27-060	MW-27-060-Q222	N	LF	N/A	GW	5/5/2022	-	9.1 J	68 J	< 0.20 U	< 1.0 U	430
MW-27-085	MW-27-085-Q222	N	LF	N/A	GW	5/5/2022	-	< 0.10 UJ	37 J	< 1.0 U	< 1.0 U	240
MW-28-025	MW-28-025-Q222	N	LF	N/A	GW	5/4/2022	-	0.57	57	< 0.20 U	< 1.0 U	< 20 UJ
MW-28-090	MW-28-090-Q222	N	LF	N/A	GW	5/4/2022	-	< 0.10 U	29	< 0.20 U	< 1.0 U	990 J
MW-29	MW-29-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	< 0.20 U	< 1.0 UJ	-
MW-30-030	MW-30-030-Q222	N	LF	N/A	GW	5/3/2022	-	0.2	76	< 1.0 U	< 1.0 U	170
MW-30-050	MW-30-050-Q222	N	LF	N/A	GW	5/3/2022	-	2.2	19	< 0.20 U	2.6	20
MW-30-050	MW-30-050-0622	N	LF	N/A	GW	6/17/2022	-	2 J	21	< 0.20 U	-	58 J
MW-31-060	MW-31-060-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	< 0.10 UJ	67	340 J	340 J	44 J
MW-31-135	MW-31-135-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	< 0.10 UJ	49	23 J	21 J	48 J
MW-32-020	MW-32-020-Q222	N	LF	N/A	GW	5/4/2022	-	< 0.10 UJ	77 J	< 1.0 U	< 1.0 U	2200
MW-32-035	MW-32-035-Q222	N	LF	N/A	GW	5/4/2022	-	5.7 J	84 J	< 0.20 U	< 1.0 U	1900 J
MW-32-035	MW-905-Q222	FD	N/A	MW-32-035-Q222	GW	5/4/2022	-	10 J	83 J	< 0.20 U	< 1.0 U	2900 J
MW-33-040	MW-33-040-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	< 1.0 U	< 1.0 UJ	-
MW-33-090	MW-33-090-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	2.7	3.2 J	-
MW-33-150	MW-33-150-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	3.3	5.1 J	-
MW-33-210	MW-33-210-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	9.9	10 J	-
MW-34-055	MW-34-055-Q222	N	LF	N/A	GW	5/5/2022	-	2.1 J	27 J	< 0.20 U	< 1.0 U	27
MW-34-080	MW-34-080-Q222	N	LF	N/A	GW	5/5/2022	-	< 0.10 UJ	35 J	< 0.20 U	< 1.0 U	350
MW-34-080	MW-34-080-0622	N	LF	N/A	GW	6/17/2022	-	< 0.10 UJ	35	< 0.20 U	-	790 J
MW-34-100	MW-34-100-Q222	N	LF	N/A	GW	5/5/2022	-	< 0.10 UJ	20 J	< 0.20 U	< 1.0 U	150
MW-35-060	MW-35-060-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	20	21	-
MW-35-135	MW-35-135-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	27	29	-
MW-36-020	MW-36-020-Q222	N	LF	N/A	GW	5/4/2022	-	0.79 J	80 J	< 0.20 U	< 1.0 U	620
MW-36-040	MW-36-040-Q222	N	LF	N/A	GW	5/4/2022	-	6.7 J	43 J	< 0.20 U	< 1.0 U	460
MW-36-050	MW-36-050-Q222	N	LF	N/A	GW	5/4/2022	-	4.8 J	25 J	< 0.20 U	< 1.0 U	130
MW-36-070	MW-36-070-Q222	N	LF	N/A	GW	5/4/2022	-	2.2 J	32 J	< 0.20 U	< 1.0 U	21
MW-36-090	MW-36-090-Q222	N	LF	N/A	GW	5/4/2022	-	0.55 J	38 J	< 0.20 U	< 1.0 U	40
MW-36-090	MW-36-090-0622	N	LF	N/A	GW	6/17/2022	-	< 0.10 UJ	37	< 0.20 U	-	42 J
MW-36-090	MW-932-Q222	FD	N/A	MW-36-090-Q222	GW	5/4/2022	-	0.51 J	39 J	< 0.20 U	< 1.0 U	37
MW-36-100	MW-36-100-Q222	N	LF	N/A	GW	5/4/2022	-	1.5 J	59 J	< 0.20 U	< 1.0 U	520

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by method EPA 353.2 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
IRZ-09-100	IRZ-09-100-Q222	N	EP	N/A	GW	6/13/2022	< 0.50 U	-	-	-	-	-
IRZ-13D-210	IRZ-13D-210-Q222	N	EP	N/A	GW	6/13/2022	< 0.50 U	-	-	-	-	-
IRZ-13S-095	IRZ-13S-095-Q222	N	EP	N/A	GW	6/13/2022	< 0.50 U	-	-	-	-	-
IRZ-23-143	IRZ-23-143-Q222	N	EP	N/A	GW	6/13/2022	< 0.50 U	-	-	-	-	-
MW-20-070	MW-20-070-Q222	N	LF	N/A	GW	6/13/2022	< 0.50 U	19	24	-	< 5.0 U	22
MW-20-100	MW-20-100-Q222	N	LF	N/A	GW	6/13/2022	< 0.50 U	2.1	5.1	-	< 5.0 U	11
MW-20-130	MW-20-130-Q222	N	LF	N/A	GW	6/13/2022	2.2	8.5	4.3	-	< 5.0 U	13
MW-20-130	MW-903-Q222	FD	N/A	MW-20-130-Q222	GW	6/13/2022	2.4	9	4.3	-	< 5.0 U	14
MW-21	MW-21-Q222	N	LF	N/A	GW	6/14/2022	680	64	< 0.50 U	-	< 5.0 U	1.4 J
MW-22	MW-22-Q222	N	LF	N/A	GW	5/5/2022	2100	-	< 0.50 U	< 0.10 U	-	-
MW-22	MW-904-Q222	FD	N/A	MW-22-Q222	GW	5/5/2022	2000	-	< 0.50 U	< 0.10 U	-	-
MW-26	MW-26-Q222	N	LF	N/A	GW	6/14/2022	880	6.4	0.73	-	< 5.0 U	1 J
MW-27-020	MW-27-020-Q222	N	LF	N/A	GW	5/5/2022	< 0.50 UJ	-	0.44	-	-	-
MW-27-060	MW-27-060-Q222	N	LF	N/A	GW	5/5/2022	240 J	-	< 0.25 U	< 0.10 U	-	-
MW-27-085	MW-27-085-Q222	N	LF	N/A	GW	5/5/2022	130 J	-	< 0.25 U	< 0.10 U	-	-
MW-28-025	MW-28-025-Q222	N	LF	N/A	GW	5/4/2022	46	-	< 0.25 U	-	-	-
MW-28-090	MW-28-090-Q222	N	LF	N/A	GW	5/4/2022	430	-	< 0.50 U	-	-	-
MW-29	MW-29-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	-	-	-
MW-30-030	MW-30-030-Q222	N	LF	N/A	GW	5/3/2022	49	-	< 0.50 U	-	-	-
MW-30-050	MW-30-050-Q222	N	LF	N/A	GW	5/3/2022	380	-	< 0.10 U	-	-	-
MW-30-050	MW-30-050-0622	N	LF	N/A	GW	6/17/2022	540 J	-	< 0.25 U	-	-	-
MW-31-060	MW-31-060-Q222	N	LF	N/A	GW	6/13/2022	24	17	2.6	-	< 25 U	3.8
MW-31-135	MW-31-135-Q222	N	LF	N/A	GW	6/13/2022	3.6	29	1.4	-	< 5.0 U	0.79
MW-32-020	MW-32-020-Q222	N	LF	N/A	GW	5/4/2022	94 J	-	< 0.50 U	-	-	-
MW-32-035	MW-32-035-Q222	N	LF	N/A	GW	5/4/2022	740 J	-	< 0.50 U	< 0.10 U	-	-
MW-32-035	MW-905-Q222	FD	N/A	MW-32-035-Q222	GW	5/4/2022	620 J	-	< 0.50 U	< 0.10 U	-	-
MW-33-040	MW-33-040-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	-	-	-
MW-33-090	MW-33-090-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	-	-	-
MW-33-150	MW-33-150-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	-	-	-
MW-33-210	MW-33-210-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	-	-	-
MW-34-055	MW-34-055-Q222	N	LF	N/A	GW	5/5/2022	58 J	-	< 0.25 U	< 0.10 U	-	-
MW-34-080	MW-34-080-Q222	N	LF	N/A	GW	5/5/2022	66 J	-	< 0.25 U	-	-	-
MW-34-080	MW-34-080-0622	N	LF	N/A	GW	6/17/2022	110 J	-	< 0.25 U	-	-	-
MW-34-100	MW-34-100-Q222	N	LF	N/A	GW	5/5/2022	250 J	-	< 0.25 U	< 0.10 U	-	-
MW-35-060	MW-35-060-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-35-135	MW-35-135-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-36-020	MW-36-020-Q222	N	LF	N/A	GW	5/4/2022	290 J	-	< 0.10 U	-	-	-
MW-36-040	MW-36-040-Q222	N	LF	N/A	GW	5/4/2022	150 J	-	< 0.10 U	< 0.10 U	-	-
MW-36-050	MW-36-050-Q222	N	LF	N/A	GW	5/4/2022	300 J	-	< 0.10 U	-	-	-
MW-36-070	MW-36-070-Q222	N	LF	N/A	GW	5/4/2022	390 J	-	< 0.10 U	-	-	-
MW-36-090	MW-36-090-Q222	N	LF	N/A	GW	5/4/2022	110 J	-	< 0.25 U	-	-	-
MW-36-090	MW-36-090-0622	N	LF	N/A	GW	6/17/2022	130 J	-	< 0.25 U	-	-	-
MW-36-090	MW-932-Q222	FD	N/A	MW-36-090-Q222	GW	5/4/2022	110 J	-	< 0.25 U	-	-	-
MW-36-100	MW-36-100-Q222	N	LF	N/A	GW	5/4/2022	510 J	-	< 0.25 U	< 0.10 U	-	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sulfate by method EPA 300.0 (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
IRZ-09-100	IRZ-09-100-Q222	N	EP	N/A	GW	6/13/2022	-	< 1.0 U
IRZ-13D-210	IRZ-13D-210-Q222	N	EP	N/A	GW	6/13/2022	-	< 1.0 U
IRZ-13S-095	IRZ-13S-095-Q222	N	EP	N/A	GW	6/13/2022	-	< 1.0 U
IRZ-23-143	IRZ-23-143-Q222	N	EP	N/A	GW	6/13/2022	-	< 1.0 U
MW-20-070	MW-20-070-Q222	N	LF	N/A	GW	6/13/2022	410	< 1.0 U
MW-20-100	MW-20-100-Q222	N	LF	N/A	GW	6/13/2022	700	< 1.0 U
MW-20-130	MW-20-130-Q222	N	LF	N/A	GW	6/13/2022	1400	< 1.0 U
MW-20-130	MW-903-Q222	FD	N/A	MW-20-130-Q222	GW	6/13/2022	1400	< 1.0 U
MW-21	MW-21-Q222	N	LF	N/A	GW	6/14/2022	1900	< 1.0 U
MW-22	MW-22-Q222	N	LF	N/A	GW	5/5/2022	-	1.8
MW-22	MW-904-Q222	FD	N/A	MW-22-Q222	GW	5/5/2022	-	1.8
MW-26	MW-26-Q222	N	LF	N/A	GW	6/14/2022	550	< 1.0 U
MW-27-020	MW-27-020-Q222	N	LF	N/A	GW	5/5/2022	-	1.5
MW-27-060	MW-27-060-Q222	N	LF	N/A	GW	5/5/2022	-	1.4
MW-27-085	MW-27-085-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
MW-28-025	MW-28-025-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U
MW-28-090	MW-28-090-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U
MW-29	MW-29-Q222	N	LF	N/A	GW	6/13/2022	-	-
MW-30-030	MW-30-030-Q222	N	LF	N/A	GW	5/3/2022	-	5.6
MW-30-050	MW-30-050-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-30-050	MW-30-050-0622	N	LF	N/A	GW	6/17/2022	210	< 1.0 U
MW-31-060	MW-31-060-Q222	N	LF	N/A	GW	6/13/2022	570	< 50 U
MW-31-135	MW-31-135-Q222	N	LF	N/A	GW	6/13/2022	700	< 1.0 U
MW-32-020	MW-32-020-Q222	N	LF	N/A	GW	5/4/2022	-	2.8
MW-32-035	MW-32-035-Q222	N	LF	N/A	GW	5/4/2022	-	1.7
MW-32-035	MW-905-Q222	FD	N/A	MW-32-035-Q222	GW	5/4/2022	-	1.7
MW-33-040	MW-33-040-Q222	N	LF	N/A	GW	6/9/2022	-	-
MW-33-090	MW-33-090-Q222	N	LF	N/A	GW	6/9/2022	-	-
MW-33-150	MW-33-150-Q222	N	LF	N/A	GW	6/9/2022	-	-
MW-33-210	MW-33-210-Q222	N	LF	N/A	GW	6/9/2022	-	-
MW-34-055	MW-34-055-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
MW-34-080	MW-34-080-Q222	N	LF	N/A	GW	5/5/2022	-	< 20 U
MW-34-080	MW-34-080-0622	N	LF	N/A	GW	6/17/2022	490	< 1.0 U
MW-34-100	MW-34-100-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
MW-35-060	MW-35-060-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-35-135	MW-35-135-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-36-020	MW-36-020-Q222	N	LF	N/A	GW	5/4/2022	-	1.8
MW-36-040	MW-36-040-Q222	N	LF	N/A	GW	5/4/2022	-	2
MW-36-050	MW-36-050-Q222	N	LF	N/A	GW	5/4/2022	-	1.2
MW-36-070	MW-36-070-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U
MW-36-090	MW-36-090-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U
MW-36-090	MW-36-090-0622	N	LF	N/A	GW	6/17/2022	350	< 1.0 U
MW-36-090	MW-932-Q222	FD	N/A	MW-36-090-Q222	GW	5/4/2022	-	< 1.0 U
MW-36-100	MW-36-100-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method SM 4500-NH3 G (mg/L)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-36-100	MW-36-100-0622	N	LF	N/A	GW	6/17/2022	-	< 0.10 UJ	51	0.93	-	410 J
MW-36-100	MW-940-Q222	FD	N/A	MW-36-100-0622	GW	6/17/2022	-	< 0.10 UJ	52	0.81	-	350 J
MW-39-040	MW-39-040-Q222	N	LF	N/A	GW	5/3/2022	-	16	72	< 0.20 U	< 1.0 U	270
MW-39-040	MW-39-040-0622	N	LF	N/A	GW	6/15/2022	-	15	72	< 0.20 U	-	350
MW-39-050	MW-39-050-Q222	N	LF	N/A	GW	5/3/2022	-	1.8	37	< 0.20 U	< 1.0 U	< 20 U
MW-39-050	MW-39-050-0622	N	LF	N/A	GW	6/15/2022	-	1.6	41	< 0.20 U	-	< 20 U
MW-39-060	MW-39-060-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	31	88	77	< 20 U
MW-39-060	MW-39-060-0622	N	LF	N/A	GW	6/15/2022	-	2	24	< 1.0 U	-	< 20 U
MW-39-070	MW-39-070-Q222	N	LF	N/A	GW	5/3/2022	-	1.1	31	< 0.20 U	< 1.0 U	< 20 U
MW-39-070	MW-39-070-0622	N	LF	N/A	GW	6/15/2022	-	0.39	40	< 0.20 U	-	< 20 U
MW-39-080	MW-39-080-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	16	0.33	< 1.0 U	< 20 U
MW-39-080	MW-39-080-0622	N	LF	N/A	GW	6/15/2022	-	< 0.10 U	25	10	-	< 20 U
MW-39-100	MW-39-100-Q222	N	LF	N/A	GW	5/3/2022	-	1.9	22	< 0.20 U	< 1.0 U	23
MW-39-100	MW-39-100-0622	N	LF	N/A	GW	6/15/2022	-	< 0.10 U	29	170	-	< 20 U
MW-42-030	MW-42-030-Q222	N	LF	N/A	GW	5/5/2022	-	2.5	62	< 0.20 U	< 1.0 U	330
MW-42-055	MW-42-055-Q222	N	LF	N/A	GW	5/5/2022	-	8.3	130	< 0.20 U	< 1.0 U	130
MW-42-065	MW-42-065-Q222	N	LF	N/A	GW	5/5/2022	-	1.4	98	< 0.20 U	< 1.0 U	130
MW-43-025	MW-43-025-Q222	N	LF	N/A	GW	5/3/2022	-	20	91	< 0.20 U	< 1.0 U	3500 J
MW-43-075	MW-43-075-Q222	N	LF	N/A	GW	5/3/2022	-	5.7	48	< 1.0 U	< 1.0 U	3200 J
MW-43-090	MW-43-090-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.50 U	54	< 1.0 U	< 1.0 U	1200 J
MW-44-070	MW-44-070-Q222	N	LF	N/A	GW	5/6/2022	-	1.6	46 J	< 0.20 U	< 1.0 U	630 J
MW-44-115	MW-44-115-Q222	N	LF	N/A	GW	5/6/2022	-	< 0.10 U	20 J	< 1.0 U	1.5	37 J
MW-44-115	MW-44-115-0622	N	LF	N/A	GW	6/17/2022	-	< 0.10 UJ	19	< 1.0 U	-	< 20 UJ
MW-44-125	MW-44-125-Q222	N	LF	N/A	GW	5/6/2022	-	< 0.10 U	46 J	< 1.0 U	< 1.0 U	460 J
MW-44-125	MW-44-125-0622	N	LF	N/A	GW	6/17/2022	-	< 0.10 UJ	44	< 1.0 U	-	370 J
MW-45-095A	MW-45-095A-Q222	N	LF	N/A	GW	5/4/2022	-	< 0.10 U	24	< 0.20 U	< 1.0 U	< 20 U
MW-45-095A	MW-45-095A-0622	N	LF	N/A	GW	6/17/2022	-	< 0.10 UJ	29	< 0.20 U	-	< 20 UJ
MW-46-175	MW-46-175-Q222	N	LF	N/A	GW	5/5/2022	-	< 0.10 UJ	23 J	6.9	6.7	< 20 U
MW-46-205	MW-46-205-Q222	N	LF	N/A	GW	5/5/2022	-	< 0.10 UJ	29 J	< 1.0 U	10	71
MW-47-055	MW-47-055-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	16	16	-
MW-47-115	MW-47-115-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	22	24	-
MW-49-135	MW-49-135-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	5 J	4.9 J	-
MW-49-275	MW-49-275-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	< 1.0 U	< 1.0 UJ	-
MW-49-365	MW-49-365-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	< 1.0 U	< 1.0 UJ	-
MW-51	MW-51-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	< 0.10 U	27 J	450	540	< 20 U
MW-52D	MW-52D-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	33	< 1.0 U	< 1.0 U	740 J
MW-52M	MW-52M-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	58	< 1.0 U	< 1.0 U	620 J
MW-52S	MW-52S-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	400	< 1.0 U	< 1.0 U	26000 J
MW-53D	MW-53D-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	36	< 1.0 U	< 1.0 U	380 J
MW-53M	MW-53M-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	55	< 1.0 U	< 1.0 U	270 J
MW-53S	MW-53S-Q222	N	LF	N/A	GW	5/3/2022	-	< 0.10 U	190	< 0.20 U	< 1.0 U	5000 J
MW-71-035	MW-71-035-Q222	N	LF	N/A	GW	6/15/2022	< 0.20 U	< 0.10 U	58	< 1.0 U	< 1.0 U	150 J
MW-71-035	MW-906-Q222	FD	N/A	MW-71-035-Q222	GW	6/15/2022	< 0.20 U	< 0.10 U	61	< 1.0 U	< 1.0 U	210 J
MW-75-033	MW-75-033-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	27	26	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by method EPA 353.2 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-36-100	MW-36-100-0622	N	LF	N/A	GW	6/17/2022	620 J	-	< 0.25 U	-	-	-
MW-36-100	MW-940-Q222	FD	N/A	MW-36-100-0622	GW	6/17/2022	560 J	-	< 0.25 U	-	-	-
MW-39-040	MW-39-040-Q222	N	LF	N/A	GW	5/3/2022	110	-	< 0.10 U	-	-	-
MW-39-040	MW-39-040-0622	N	LF	N/A	GW	6/15/2022	110	-	< 0.25 U	-	-	-
MW-39-050	MW-39-050-Q222	N	LF	N/A	GW	5/3/2022	170	-	< 0.10 U	-	-	-
MW-39-050	MW-39-050-0622	N	LF	N/A	GW	6/15/2022	170	-	< 0.25 U	-	-	-
MW-39-060	MW-39-060-Q222	N	LF	N/A	GW	5/3/2022	7.8	-	0.44	-	-	-
MW-39-060	MW-39-060-0622	N	LF	N/A	GW	6/15/2022	120	-	< 0.25 U	-	-	-
MW-39-070	MW-39-070-Q222	N	LF	N/A	GW	5/3/2022	7.6	-	< 0.10 U	-	-	-
MW-39-070	MW-39-070-0622	N	LF	N/A	GW	6/15/2022	8.5	-	< 0.25 U	-	-	-
MW-39-080	MW-39-080-Q222	N	LF	N/A	GW	5/3/2022	2.9	-	0.3	-	-	-
MW-39-080	MW-39-080-0622	N	LF	N/A	GW	6/15/2022	3.6	-	< 0.25 U	-	-	-
MW-39-100	MW-39-100-Q222	N	LF	N/A	GW	5/3/2022	120	-	< 0.10 U	-	-	-
MW-39-100	MW-39-100-0622	N	LF	N/A	GW	6/15/2022	11	-	< 0.25 U	-	-	-
MW-42-030	MW-42-030-Q222	N	LF	N/A	GW	5/5/2022	85	-	< 0.25 U	< 0.10 U	-	-
MW-42-055	MW-42-055-Q222	N	LF	N/A	GW	5/5/2022	190	-	< 0.25 U	-	-	-
MW-42-065	MW-42-065-Q222	N	LF	N/A	GW	5/5/2022	2200	-	< 0.25 U	-	-	-
MW-43-025	MW-43-025-Q222	N	LF	N/A	GW	5/3/2022	440	-	< 0.25 U	-	-	-
MW-43-075	MW-43-075-Q222	N	LF	N/A	GW	5/3/2022	420	-	< 0.25 U	-	-	-
MW-43-090	MW-43-090-Q222	N	LF	N/A	GW	5/3/2022	780	-	< 0.25 U	-	-	-
MW-44-070	MW-44-070-Q222	N	LF	N/A	GW	5/6/2022	440 J	-	< 0.25 U	< 0.10 U	-	-
MW-44-115	MW-44-115-Q222	N	LF	N/A	GW	5/6/2022	40 J	-	< 0.25 U	-	-	-
MW-44-115	MW-44-115-0622	N	LF	N/A	GW	6/17/2022	14 J	-	< 0.25 U	-	-	-
MW-44-125	MW-44-125-Q222	N	LF	N/A	GW	5/6/2022	550 J	-	< 0.25 U	< 0.10 U	-	-
MW-44-125	MW-44-125-0622	N	LF	N/A	GW	6/17/2022	440 J	-	< 0.25 U	-	-	-
MW-45-095A	MW-45-095A-Q222	N	LF	N/A	GW	5/4/2022	120	-	< 0.25 U	-	-	-
MW-45-095A	MW-45-095A-0622	N	LF	N/A	GW	6/17/2022	370 J	-	< 0.25 U	-	-	-
MW-46-175	MW-46-175-Q222	N	LF	N/A	GW	5/5/2022	9.5 J	-	1	1	-	-
MW-46-205	MW-46-205-Q222	N	LF	N/A	GW	5/5/2022	38 J	-	0.88	-	-	-
MW-47-055	MW-47-055-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-47-115	MW-47-115-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-49-135	MW-49-135-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	-	-	-
MW-49-275	MW-49-275-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	-	-	-
MW-49-365	MW-49-365-Q222	N	LF	N/A	GW	6/13/2022	-	-	-	-	-	-
MW-51	MW-51-Q222	N	LF	N/A	GW	6/14/2022	1.7	76	1.2	-	< 5.0 U	2.6 J
MW-52D	MW-52D-Q222	N	LF	N/A	GW	5/3/2022	220	-	< 0.25 U	-	-	-
MW-52M	MW-52M-Q222	N	LF	N/A	GW	5/3/2022	230	-	< 0.25 U	-	-	-
MW-52S	MW-52S-Q222	N	LF	N/A	GW	5/3/2022	1400	-	< 0.25 U	-	-	-
MW-53D	MW-53D-Q222	N	LF	N/A	GW	5/3/2022	1400	-	< 0.25 U	-	-	-
MW-53M	MW-53M-Q222	N	LF	N/A	GW	5/3/2022	400	-	< 0.25 U	-	-	-
MW-53S	MW-53S-Q222	N	LF	N/A	GW	5/3/2022	1100	-	< 0.25 U	-	-	-
MW-71-035	MW-71-035-Q222	N	LF	N/A	GW	6/15/2022	1400	21	< 0.50 U	< 0.10 U	< 5.0 U	0.51 J
MW-71-035	MW-906-Q222	FD	N/A	MW-71-035-Q222	GW	6/15/2022	1500	22	< 0.50 U	< 0.10 U	< 5.0 U	< 0.50 UJ
MW-75-033	MW-75-033-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sulfate by method EPA 300.0 (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
MW-36-100	MW-36-100-0622	N	LF	N/A	GW	6/17/2022	470	< 1.0 U
MW-36-100	MW-940-Q222	FD	N/A	MW-36-100-0622	GW	6/17/2022	470	< 1.0 U
MW-39-040	MW-39-040-Q222	N	LF	N/A	GW	5/3/2022	-	2.3
MW-39-040	MW-39-040-0622	N	LF	N/A	GW	6/15/2022	150	2.5
MW-39-050	MW-39-050-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-39-050	MW-39-050-0622	N	LF	N/A	GW	6/15/2022	200	< 1.0 U
MW-39-060	MW-39-060-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-39-060	MW-39-060-0622	N	LF	N/A	GW	6/15/2022	200	< 1.0 U
MW-39-070	MW-39-070-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-39-070	MW-39-070-0622	N	LF	N/A	GW	6/15/2022	260	< 1.0 U
MW-39-080	MW-39-080-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-39-080	MW-39-080-0622	N	LF	N/A	GW	6/15/2022	560	< 1.0 U
MW-39-100	MW-39-100-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-39-100	MW-39-100-0622	N	LF	N/A	GW	6/15/2022	940	< 1.0 U
MW-42-030	MW-42-030-Q222	N	LF	N/A	GW	5/5/2022	-	2.3
MW-42-055	MW-42-055-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
MW-42-065	MW-42-065-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
MW-43-025	MW-43-025-Q222	N	LF	N/A	GW	5/3/2022	-	2.2
MW-43-075	MW-43-075-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-43-090	MW-43-090-Q222	N	LF	N/A	GW	5/3/2022	-	< 50 U
MW-44-070	MW-44-070-Q222	N	LF	N/A	GW	5/6/2022	-	< 1.0 U
MW-44-115	MW-44-115-Q222	N	LF	N/A	GW	5/6/2022	-	< 1.0 U
MW-44-115	MW-44-115-0622	N	LF	N/A	GW	6/17/2022	1000	< 50 U
MW-44-125	MW-44-125-Q222	N	LF	N/A	GW	5/6/2022	-	< 1.0 U
MW-44-125	MW-44-125-0622	N	LF	N/A	GW	6/17/2022	1100	< 1.0 U
MW-45-095A	MW-45-095A-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U
MW-45-095A	MW-45-095A-0622	N	LF	N/A	GW	6/17/2022	480	< 1.0 U
MW-46-175	MW-46-175-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
MW-46-205	MW-46-205-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
MW-47-055	MW-47-055-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-47-115	MW-47-115-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-49-135	MW-49-135-Q222	N	LF	N/A	GW	6/13/2022	-	-
MW-49-275	MW-49-275-Q222	N	LF	N/A	GW	6/13/2022	-	-
MW-49-365	MW-49-365-Q222	N	LF	N/A	GW	6/13/2022	-	-
MW-51	MW-51-Q222	N	LF	N/A	GW	6/14/2022	580	< 1.0 U
MW-52D	MW-52D-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-52M	MW-52M-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-52S	MW-52S-Q222	N	LF	N/A	GW	5/3/2022	-	2.4
MW-53D	MW-53D-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-53M	MW-53M-Q222	N	LF	N/A	GW	5/3/2022	-	< 1.0 U
MW-53S	MW-53S-Q222	N	LF	N/A	GW	5/3/2022	-	1.7
MW-71-035	MW-71-035-Q222	N	LF	N/A	GW	6/15/2022	1200	< 1.0 U
MW-71-035	MW-906-Q222	FD	N/A	MW-71-035-Q222	GW	6/15/2022	1300	< 1.0 U
MW-75-033	MW-75-033-Q222	N	LF	N/A	GW	6/7/2022	-	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method SM 4500-NH3 G (mg/L)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-75-117	MW-75-117-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	7.4	6.7	-
MW-75-202	MW-75-202-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	< 1.0 U	< 1.0 U	-
MW-75-267	MW-75-267-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	< 1.0 U	< 1.0 U	-
MW-75-337	MW-75-337-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	< 1.0 U	< 1.0 U	-
MW-76-039	MW-76-039-Q222	N	LF	N/A	GW	6/13/2022	0.078 J	< 0.10 UJ	66	88 J	77 J	< 20 UJ
MW-76-039	MW-907-Q222	FD	N/A	MW-76-039-Q222	GW	6/13/2022	< 0.22 U	< 0.10 UJ	63	86 J	76 J	< 20 UJ
MW-76-156	MW-76-156-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	< 0.10 UJ	43	13 J	12 J	< 20 UJ
MW-76-181	MW-76-181-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	< 0.10 UJ	58	2000 J	2200	< 20 U
MW-76-218	MW-76-218-Q222	N	LF	N/A	GW	6/13/2022	< 0.20 U	< 0.50 UJ	46 J	60 J	53 J	< 20 UJ
MW-77-046	MW-77-046-Q222	N	LF	N/A	GW	5/2/2022	-	0.89	50	< 0.20 U	< 1.0 U	540 J
MW-77-046	MW-77-046-0622	N	LF	N/A	GW	6/15/2022	-	< 0.10 UJ	54	0.5	-	130
MW-77-046	MW-941-Q222	FD	N/A	MW-77-046-0622	GW	6/15/2022	-	0.69 J	54	0.53	-	130
MW-77-102	MW-77-102-Q222	N	LF	N/A	GW	5/2/2022	-	< 0.10 U	44	0.59	< 1.0 U	< 20 U
MW-77-102	MW-77-102-0622	N	LF	N/A	GW	6/15/2022	-	< 0.10 U	50	< 1.0 U	-	67
MW-77-158	MW-77-158-Q222	N	LF	N/A	GW	5/2/2022	-	< 0.10 U	47	7.1	8.4	24 J
MW-77-158	MW-77-158-0622	N	LF	N/A	GW	6/15/2022	-	< 0.10 U	36	2.4	-	< 20 U
MW-77-187	MW-77-187-Q222	N	LF	N/A	GW	5/2/2022	-	< 0.10 U	41	9.6	9.3	< 100 U
MW-77-187	MW-77-187-0622	N	LF	N/A	GW	6/15/2022	-	< 0.10 U	33	33	-	< 20 U
MW-78-070	MW-78-070-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	< 0.10 U	160 J	790	820	< 20 U
MW-78-070	MW-908-Q222	FD	N/A	MW-78-070-Q222	GW	6/14/2022	< 0.20 U	< 0.10 U	140 J	810	900	< 20 U
MW-78-142	MW-78-142-Q222	N	LF	N/A	GW	6/14/2022	0.43	< 0.10 U	27 J	5500	6100	< 20 U
MW-79-058	MW-79-058-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	< 0.10 U	91 J	2800	3200	< 20 U
MW-79-058	MW-909-Q222	FD	N/A	MW-79-058-Q222	GW	6/14/2022	< 0.20 U	< 0.10 U	79 J	2900	2900	< 20 U
MW-79-102	MW-79-102-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	< 0.10 U	38 J	2200	2400	< 20 U
MW-80-057	MW-80-057-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	< 0.10 U	51 J	950	1000	< 20 U
MW-80-057	MW-910-Q222	FD	N/A	MW-80-057-Q222	GW	6/14/2022	< 0.20 U	< 0.10 U	51 J	950	1000	< 20 U
MW-80-082	MW-80-082-Q222	N	LF	N/A	GW	6/14/2022	< 0.20 U	< 0.10 U	40 J	980	1100	100
MW-81-043	MW-81-043-Q222	N	LF	N/A	GW	5/6/2022	-	< 0.10 U	86 J	12	14	120 J
MW-81-043	MW-81-043-0622	N	LF	N/A	GW	6/16/2022	-	< 0.10 U	78 J	4.4	-	93 J
MW-81-098	MW-81-098-Q222	N	LF	N/A	GW	5/6/2022	-	< 0.10 U	51 J	< 1.0 U	< 1.0 U	< 20 UJ
MW-81-098	MW-81-098-0622	N	LF	N/A	GW	6/16/2022	-	< 0.10 U	68 J	1.8	-	59 J
MW-82-046	MW-82-046-Q222	N	LF	N/A	GW	5/2/2022	-	27	66	< 1.0 U	< 5.0 U	6400 J
MW-82-046	MW-82-046-0622	N	LF	N/A	GW	6/16/2022	-	17	56 J	< 0.20 U	-	5800 J
MW-82-046	MW-911-Q222	FD	N/A	MW-82-046-Q222	GW	5/2/2022	-	25	56	< 1.0 U	< 5.0 U	6200 J
MW-82-112	MW-82-112-Q222	N	LF	N/A	GW	5/2/2022	-	< 0.10 U	36	< 0.20 U	< 1.0 U	< 20 U
MW-82-112	MW-82-112-0622	N	LF	N/A	GW	6/16/2022	-	< 0.10 U	52 J	< 1.0 U	-	61 J
MW-82-168	MW-82-168-Q222	N	LF	N/A	GW	5/2/2022	-	< 0.10 U	47	< 1.0 U	2.7	< 100 U
MW-82-168	MW-82-168-0622	N	LF	N/A	GW	6/16/2022	-	< 0.10 U	42 J	1.2	-	27 J
MW-82-198	MW-82-198-Q222	N	LF	N/A	GW	5/2/2022	-	< 0.50 U	47	1.2	2	< 100 U
MW-82-198	MW-82-198-0622	N	LF	N/A	GW	6/16/2022	-	< 0.10 U	44 J	4.1	-	48 J
MW-86-030	MW-86-030-Q222	N	LF	N/A	GW	5/4/2022	-	8.6	83	< 0.20 U	< 1.0 U	570 J
MW-86-066	MW-86-066-Q222	N	LF	N/A	GW	5/4/2022	-	< 0.10 U	87	< 0.20 U	< 1.0 U	86 J
MW-86-120	MW-86-120-Q222	N	LF	N/A	GW	5/4/2022	-	< 0.10 U	37	1.3	1.5	< 20 UJ
MW-86-140	MW-86-140-Q222	N	LF	N/A	GW	5/4/2022	-	< 0.10 U	64	< 1.0 U	< 1.0 U	1000 J

Unvalidated PCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by method EPA 353.2 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-75-117	MW-75-117-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-75-202	MW-75-202-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-75-267	MW-75-267-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-75-337	MW-75-337-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-76-039	MW-76-039-Q222	N	LF	N/A	GW	6/13/2022	< 0.50 U	20	2.5	-	< 2.5 U	3
MW-76-039	MW-907-Q222	FD	N/A	MW-76-039-Q222	GW	6/13/2022	0.7	19	2.5	-	< 2.5 U	2.7
MW-76-156	MW-76-156-Q222	N	LF	N/A	GW	6/13/2022	33	28	1.9	-	< 5.0 U	0.8
MW-76-181	MW-76-181-Q222	N	LF	N/A	GW	6/13/2022	29	29	3	-	< 5.0 U	2.4
MW-76-218	MW-76-218-Q222	N	LF	N/A	GW	6/13/2022	98 J	77 J	1.2	-	< 50 U	0.98
MW-77-046	MW-77-046-Q222	N	LF	N/A	GW	5/2/2022	310	-	< 0.25 U	-	-	-
MW-77-046	MW-77-046-0622	N	LF	N/A	GW	6/15/2022	430	-	< 0.50 U	-	-	-
MW-77-046	MW-941-Q222	FD	N/A	MW-77-046-0622	GW	6/15/2022	450	-	< 0.50 U	-	-	-
MW-77-102	MW-77-102-Q222	N	LF	N/A	GW	5/2/2022	47	-	0.63	-	-	-
MW-77-102	MW-77-102-0622	N	LF	N/A	GW	6/15/2022	78	-	0.91	-	-	-
MW-77-158	MW-77-158-Q222	N	LF	N/A	GW	5/2/2022	18	-	< 0.50 U	-	-	-
MW-77-158	MW-77-158-0622	N	LF	N/A	GW	6/15/2022	10	-	< 0.50 U	-	-	-
MW-77-187	MW-77-187-Q222	N	LF	N/A	GW	5/2/2022	39	-	1.3	-	-	-
MW-77-187	MW-77-187-0622	N	LF	N/A	GW	6/15/2022	17	-	1.2	-	-	-
MW-78-070	MW-78-070-Q222	N	LF	N/A	GW	6/14/2022	500	8.3	1.6	-	< 5.0 U	1.7 J
MW-78-070	MW-908-Q222	FD	N/A	MW-78-070-Q222	GW	6/14/2022	480	7.3	1.5	-	< 5.0 U	1.6 J
MW-78-142	MW-78-142-Q222	N	LF	N/A	GW	6/14/2022	1.2	22	9.3	-	< 5.0 U	36 J
MW-79-058	MW-79-058-Q222	N	LF	N/A	GW	6/14/2022	< 0.50 U	8	11	-	< 5.0 U	11 J
MW-79-058	MW-909-Q222	FD	N/A	MW-79-058-Q222	GW	6/14/2022	< 0.50 U	7.1	11	-	< 5.0 U	9.4 J
MW-79-102	MW-79-102-Q222	N	LF	N/A	GW	6/14/2022	< 0.50 U	26	5	-	< 5.0 U	13 J
MW-80-057	MW-80-057-Q222	N	LF	N/A	GW	6/14/2022	2	31	13	-	< 5.0 U	24 J
MW-80-057	MW-910-Q222	FD	N/A	MW-80-057-Q222	GW	6/14/2022	2.2	31	13	-	< 5.0 U	25 J
MW-80-082	MW-80-082-Q222	N	LF	N/A	GW	6/14/2022	1.5	29	4.4	-	< 5.0 U	4.2 J
MW-81-043	MW-81-043-Q222	N	LF	N/A	GW	5/6/2022	88 J	-	0.98	-	-	-
MW-81-043	MW-81-043-0622	N	LF	N/A	GW	6/16/2022	64	-	0.98	-	-	-
MW-81-098	MW-81-098-Q222	N	LF	N/A	GW	5/6/2022	160 J	-	< 0.50 U	-	-	-
MW-81-098	MW-81-098-0622	N	LF	N/A	GW	6/16/2022	240	-	0.94	-	-	-
MW-82-046	MW-82-046-Q222	N	LF	N/A	GW	5/2/2022	320	-	< 0.50 U	-	-	-
MW-82-046	MW-82-046-0622	N	LF	N/A	GW	6/16/2022	260	-	< 0.50 U	-	-	-
MW-82-046	MW-911-Q222	FD	N/A	MW-82-046-Q222	GW	5/2/2022	270	-	< 0.50 U	-	-	-
MW-82-112	MW-82-112-Q222	N	LF	N/A	GW	5/2/2022	54	-	0.58	-	-	-
MW-82-112	MW-82-112-0622	N	LF	N/A	GW	6/16/2022	120	-	1.1	-	-	-
MW-82-168	MW-82-168-Q222	N	LF	N/A	GW	5/2/2022	140	-	1.1	-	-	-
MW-82-168	MW-82-168-0622	N	LF	N/A	GW	6/16/2022	29	-	< 0.50 U	-	-	-
MW-82-198	MW-82-198-Q222	N	LF	N/A	GW	5/2/2022	98	-	1.5	-	-	-
MW-82-198	MW-82-198-0622	N	LF	N/A	GW	6/16/2022	110	-	1.5	-	-	-
MW-86-030	MW-86-030-Q222	N	LF	N/A	GW	5/4/2022	320	-	< 0.25 U	-	-	-
MW-86-066	MW-86-066-Q222	N	LF	N/A	GW	5/4/2022	720	-	< 0.50 U	-	-	-
MW-86-120	MW-86-120-Q222	N	LF	N/A	GW	5/4/2022	250	-	0.91	-	-	-
MW-86-140	MW-86-140-Q222	N	LF	N/A	GW	5/4/2022	890	-	< 0.50 U	-	-	-

Unvalidated PCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sulfate by method EPA 300.0 (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
MW-75-117	MW-75-117-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-75-202	MW-75-202-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-75-267	MW-75-267-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-75-337	MW-75-337-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-76-039	MW-76-039-Q222	N	LF	N/A	GW	6/13/2022	230	< 1.0 U
MW-76-039	MW-907-Q222	FD	N/A	MW-76-039-Q222	GW	6/13/2022	230	< 1.0 U
MW-76-156	MW-76-156-Q222	N	LF	N/A	GW	6/13/2022	740	< 1.0 U
MW-76-181	MW-76-181-Q222	N	LF	N/A	GW	6/13/2022	970	< 1.0 U
MW-76-218	MW-76-218-Q222	N	LF	N/A	GW	6/13/2022	940	< 100 U
MW-77-046	MW-77-046-Q222	N	LF	N/A	GW	5/2/2022	-	< 1.0 U
MW-77-046	MW-77-046-0622	N	LF	N/A	GW	6/15/2022	370	< 1.0 U
MW-77-046	MW-941-Q222	FD	N/A	MW-77-046-0622	GW	6/15/2022	370	< 1.0 U
MW-77-102	MW-77-102-Q222	N	LF	N/A	GW	5/2/2022	-	< 1.0 U
MW-77-102	MW-77-102-0622	N	LF	N/A	GW	6/15/2022	700	< 1.0 U
MW-77-158	MW-77-158-Q222	N	LF	N/A	GW	5/2/2022	-	< 1.0 U
MW-77-158	MW-77-158-0622	N	LF	N/A	GW	6/15/2022	570	< 1.0 U
MW-77-187	MW-77-187-Q222	N	LF	N/A	GW	5/2/2022	-	< 1.0 U
MW-77-187	MW-77-187-0622	N	LF	N/A	GW	6/15/2022	940	< 50 U
MW-78-070	MW-78-070-Q222	N	LF	N/A	GW	6/14/2022	430	< 1.0 U
MW-78-070	MW-908-Q222	FD	N/A	MW-78-070-Q222	GW	6/14/2022	430	< 1.0 U
MW-78-142	MW-78-142-Q222	N	LF	N/A	GW	6/14/2022	870	< 1.0 U
MW-79-058	MW-79-058-Q222	N	LF	N/A	GW	6/14/2022	410	< 1.0 U
MW-79-058	MW-909-Q222	FD	N/A	MW-79-058-Q222	GW	6/14/2022	410	< 1.0 U
MW-79-102	MW-79-102-Q222	N	LF	N/A	GW	6/14/2022	660	< 1.0 U
MW-80-057	MW-80-057-Q222	N	LF	N/A	GW	6/14/2022	490	< 1.0 U
MW-80-057	MW-910-Q222	FD	N/A	MW-80-057-Q222	GW	6/14/2022	500	< 1.0 U
MW-80-082	MW-80-082-Q222	N	LF	N/A	GW	6/14/2022	560	< 1.0 U
MW-81-043	MW-81-043-Q222	N	LF	N/A	GW	5/6/2022	-	< 1.0 U
MW-81-043	MW-81-043-0622	N	LF	N/A	GW	6/16/2022	380	< 1.0 U
MW-81-098	MW-81-098-Q222	N	LF	N/A	GW	5/6/2022	-	< 1.0 U
MW-81-098	MW-81-098-0622	N	LF	N/A	GW	6/16/2022	660	< 1.0 U
MW-82-046	MW-82-046-Q222	N	LF	N/A	GW	5/2/2022	-	2.8
MW-82-046	MW-82-046-0622	N	LF	N/A	GW	6/16/2022	1200	1.8
MW-82-046	MW-911-Q222	FD	N/A	MW-82-046-Q222	GW	5/2/2022	-	2.7
MW-82-112	MW-82-112-Q222	N	LF	N/A	GW	5/2/2022	-	< 1.0 U
MW-82-112	MW-82-112-0622	N	LF	N/A	GW	6/16/2022	710	< 1.0 U
MW-82-168	MW-82-168-Q222	N	LF	N/A	GW	5/2/2022		< 1.0 U
MW-82-168	MW-82-168-0622	N	LF	N/A	GW	6/16/2022	570	< 1.0 U
MW-82-198	MW-82-198-Q222	N	LF	N/A	GW	5/2/2022	-	< 50 U
MW-82-198	MW-82-198-0622	N	LF	N/A	GW	6/16/2022	1100	< 1.0 U
MW-86-030	MW-86-030-Q222	N	LF	N/A	GW	5/4/2022	-	3.7
MW-86-066	MW-86-066-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U
MW-86-120	MW-86-120-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U
MW-86-140	MW-86-140-Q222	N	LF	N/A	GW	5/4/2022	-	< 1.0 U

Unvalidated PCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method SM 4500-NH3 G (mg/L)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-86-140	MW-933-Q222	FD	N/A	MW-86-140-Q222	GW	5/4/2022	-	< 0.10 U	61	< 1.0 U	< 1.0 U	1100 J
MW-90-031	MW-90-031-Q222	N	LF	N/A	GW	5/5/2022	-	< 0.10 U	87	< 1.0 U	< 1.0 U	6200
MW-96-045	MW-96-045-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	< 0.20 U	< 1.0 UJ	-
MW-96-217	MW-96-217-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	< 1.0 U	< 1.0 UJ	-
MW-97-042	MW-97-042-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	20	19	-
MW-97-202	MW-97-202-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	< 1.0 U	3.8	-
PT5D	PT5D-Q222	N	LF	N/A	GW	5/5/2022	-	2.3	22	< 0.20 U	2.1	27
PT5M	PT5M-Q222	N	LF	N/A	GW	5/5/2022	-	0.75	44	< 0.20 U	< 1.0 U	23
PT5S	PT5S-Q222	N	LF	N/A	GW	5/5/2022	-	7	96	< 0.20 U	< 1.0 U	1200
TW-02D	TW-02D-Q222	N	LF	N/A	GW	6/15/2022	< 0.20 U	< 0.10 U	34	840	780	< 20 U
TW-02D	MW-912-Q222	FD	N/A	TW-02D-Q222	GW	6/15/2022	< 0.20 U	< 0.10 U	36	840	800	< 20 U
TW-02S	TW-02S-Q222	N	LF	N/A	GW	6/15/2022	< 0.20 U	0.3	52	91	80	< 20 U
TW-03D	TW-03D-Q222	N	LF	N/A	GW	6/15/2022	< 0.20 U	< 0.10 U	43	700	750	< 20 U
TW-03D	MW-913-Q222	FD	N/A	TW-03D-Q222	GW	6/15/2022	< 0.20 U	< 0.10 U	41	730	760	< 20 U
TW-04	TW-04-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	8.1	8.4	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia and nitrate/nitrite as nitrogen which were analyzed at BC Labs.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected
- N/A = not applicable
- = no data

Unvalidated PCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by method EPA 353.2 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-86-140	MW-933-Q222	FD	N/A	MW-86-140-Q222	GW	5/4/2022	900	-	< 0.50 U	-	-	-
MW-90-031	MW-90-031-Q222	N	LF	N/A	GW	5/5/2022	250	-	< 0.50 U	< 0.10 U	-	-
MW-96-045	MW-96-045-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	-	-	-
MW-96-217	MW-96-217-Q222	N	LF	N/A	GW	6/9/2022	-	-	-	-	-	-
MW-97-042	MW-97-042-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
MW-97-202	MW-97-202-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-
PT5D	PT5D-Q222	N	LF	N/A	GW	5/5/2022	100	-	< 0.50 U	-	-	-
PT5M	PT5M-Q222	N	LF	N/A	GW	5/5/2022	2100	-	< 0.50 U	-	-	-
PT5S	PT5S-Q222	N	LF	N/A	GW	5/5/2022	260	-	< 0.25 U	-	-	-
TW-02D	TW-02D-Q222	N	LF	N/A	GW	6/15/2022	12 J	65	1.5	-	< 5.0 U	0.98 J
TW-02D	MW-912-Q222	FD	N/A	TW-02D-Q222	GW	6/15/2022	15 J	68	1.4	-	< 5.0 U	1.1 J
TW-02S	TW-02S-Q222	N	LF	N/A	GW	6/15/2022	< 0.50 U	8.9	3.3	-	< 10 U	1.9 J
TW-03D	TW-03D-Q222	N	LF	N/A	GW	6/15/2022	110	72	1.4	-	< 5.0 U	1.1 J
TW-03D	MW-913-Q222	FD	N/A	TW-03D-Q222	GW	6/15/2022	97	66	1.4	-	-	1 J
TW-04	TW-04-Q222	N	LF	N/A	GW	6/7/2022	-	-	-	-	-	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia and nitrate/nitrite as nitrogen which were analyzed at B
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected
- N/A = not applicable
- = no data

Unvalidated PCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sulfate by method EPA 300.0 (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
MW-86-140	MW-933-Q222	FD	N/A	MW-86-140-Q222	GW	5/4/2022	-	< 1.0 U
MW-90-031	MW-90-031-Q222	N	LF	N/A	GW	5/5/2022	-	2
MW-96-045	MW-96-045-Q222	N	LF	N/A	GW	6/9/2022	-	-
MW-96-217	MW-96-217-Q222	N	LF	N/A	GW	6/9/2022	-	-
MW-97-042	MW-97-042-Q222	N	LF	N/A	GW	6/7/2022	-	-
MW-97-202	MW-97-202-Q222	N	LF	N/A	GW	6/7/2022	-	-
PT5D	PT5D-Q222	N	LF	N/A	GW	5/5/2022	-	< 20 U
PT5M	PT5M-Q222	N	LF	N/A	GW	5/5/2022	-	< 1.0 U
PT5S	PT5S-Q222	N	LF	N/A	GW	5/5/2022	-	1.1
TW-02D	TW-02D-Q222	N	LF	N/A	GW	6/15/2022	850	< 1.0 U
TW-02D	MW-912-Q222	FD	N/A	TW-02D-Q222	GW	6/15/2022	920	< 1.0 U
TW-02S	TW-02S-Q222	N	LF	N/A	GW	6/15/2022	190	< 1.0 U
TW-03D	TW-03D-Q222	N	LF	N/A	GW	6/15/2022	870	< 1.0 U
TW-03D	MW-913-Q222	FD	N/A	TW-03D-Q222	GW	6/15/2022	870	< 1.0 U
TW-04	TW-04-Q222	N	LF	N/A	GW	6/7/2022	-	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia and nitrate/nitrite as nitrogen which were analyzed at B

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected
- N/A = not applicable
- = no data

Hyd6 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO3 by method SM 2320 B (mg/L)	Aluminum, dissolved by method SW 6020A (µg/L)	Antimony, dissolved by method SW 6020A (µg/L)	Arsenic, dissolved by method SW 6020A (µg/L)	Barium, dissolved by method SW 6020A (µg/L)	Beryllium, dissolved by method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q222	N	3V	N/A	GW	5/18/2022	106	< 200 U	< 1.0 U	14.4	106	< 1.0 U
HNWR-01A	HNWR-01A-174-Q222	N	3V	N/A	GW	5/18/2022	88.4	< 200 U	< 1.0 U	13.9	112	< 1.0 U
MARINA-1	MARINA-1-Q222	N	EP	N/A	GW	5/17/2022	39.8	< 2000 U	< 10 U	< 10 U	63.2	< 10 U
MTS-1	MTS-1-Q222	N	EP	N/A	GW	5/17/2022	71.3	< 2000 U	< 10 U	13	88.8	< 10 U
MTS-2	MTS-2-Q222	N	EP	N/A	GW	5/17/2022	74	< 2000 U	< 10 U	17.1	88.9	< 10 U
MW-94-030	MW-94-030-Q222	N	LF	N/A	GW	5/17/2022	93.1	< 2000 U	< 10 U	< 10 U	63.8	< 10 U
MW-94-100	MW-94-100-Q222	N	LF	N/A	GW	5/17/2022	84.5	< 2000 U	< 10 U	< 10 U	84.1	< 10 U
MW-94-100	MW-901-Q222	FD	N/A	MW-94-100-Q222	GW	5/17/2022	85.2	< 2000 U	< 10 U	< 10 U	82.1	< 10 U
MW-94-175	MW-94-175-Q222	N	LF	N/A	GW	5/17/2022	99.5	< 2000 U	< 10 U	10	99.9	< 10 U
MW-99-060	MW-99-060-Q222	N	LF	N/A	GW	5/19/2022	320	< 200 U	< 1.0 U	4.83	30.2	< 1.0 U
MW-99-140	MW-99-140-Q222	N	LF	N/A	GW	5/19/2022	127	< 200 U	< 1.0 U	4.31	52.3	< 1.0 U
PGE-09N	PGE-09N-Q222	N	3V	N/A	GW	5/19/2022	578	< 2000 U	< 10 U	43.8	69.6	< 10 U
PGE-09S	PGE-09S-Q222	N	3V	N/A	GW	5/19/2022	402	< 2000 U	< 10 U	37.3	58.2	< 10 U
PGE-09S	MW-902-Q222	FD	N/A	PGE-09S-Q222	GW	5/19/2022	416	< 2000 U	< 10 U	37.6	58.7	< 10 U
SITE B	SITE B-165-Q222	N	3V	N/A	GW	5/18/2022	88.4	< 200 U	< 1.0 U	15.3	115	< 1.0 U
SITE B	SITE B-220-Q222	N	3V	N/A	GW	5/18/2022	86.8	< 200 U	< 1.0 U	17.5	118	< 1.0 U
SITE B	SITE B-285-Q222	N	3V	N/A	GW	5/18/2022	87.4	< 200 U	< 1.0 U	17.6	117	< 1.0 U
TOPOCK-2	TOPOCK-2-Q222	N	EP	N/A	GW	5/18/2022	104	< 2000 U	< 10 U	15.3	63.6	< 10 U
TOPOCK-3	TOPOCK-3-Q222	N	EP	N/A	GW	5/18/2022	91.5	< 2000 U	< 10 U	12.1	58	< 10 U

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Hyd6 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Boron, dissolved by method SW 6020A (mg/L)	Cadmium, dissolved by method SW 6020A (µg/L)	Calcium by method SW 6020A (µg/L)	Calcium, dissolved by method SW 6020A (mg/L)	Chloride by method EPA 300.0 (mg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)
HNWR-01A	HNWR-01A-98-Q222	N	3V	N/A	GW	5/18/2022	0.526	< 1.0 U	29,800	30.8	759	14.5
HNWR-01A	HNWR-01A-174-Q222	N	3V	N/A	GW	5/18/2022	0.517	< 1.0 U	29,500	28.8	745	12
MARINA-1	MARINA-1-Q222	N	EP	N/A	GW	5/17/2022	1.63	< 10 U	432,000	209	13400	3.73
MTS-1	MTS-1-Q222	N	EP	N/A	GW	5/17/2022	0.728	< 10 U	90,500	92.8	878	0.687
MTS-2	MTS-2-Q222	N	EP	N/A	GW	5/17/2022	0.744	< 10 U	92,200	94.3	760	9.87
MW-94-030	MW-94-030-Q222	N	LF	N/A	GW	5/17/2022	0.529	< 10 U	58,200	58.4	349	20.7
MW-94-100	MW-94-100-Q222	N	LF	N/A	GW	5/17/2022	0.516	< 10 U	49,300	47.8	420 J	8.42
MW-94-100	MW-901-Q222	FD	N/A	MW-94-100-Q222	GW	5/17/2022	0.516	< 10 U	48,800	48.3	721 J	8.5
MW-94-175	MW-94-175-Q222	N	LF	N/A	GW	5/17/2022	0.404	< 10 U	27,700	24.8	213	14.1
MW-99-060	MW-99-060-Q222	N	LF	N/A	GW	5/19/2022	1.24	< 1.0 U	54,900	54.2	712	< 0.20 U
MW-99-140	MW-99-140-Q222	N	LF	N/A	GW	5/19/2022	0.585	< 1.0 U	64,800	63.9	704	4.74
PGE-09N	PGE-09N-Q222	N	3V	N/A	GW	5/19/2022	2.79	< 10 U	209,000	211	4040	< 0.20 U
PGE-09S	PGE-09S-Q222	N	3V	N/A	GW	5/19/2022	2.38	< 10 U	206,000	204	4650	< 0.20 U
PGE-09S	MW-902-Q222	FD	N/A	PGE-09S-Q222	GW	5/19/2022	2.32	< 10 U	203,000	204	3930	< 0.20 U
SITE B	SITE B-165-Q222	N	3V	N/A	GW	5/18/2022	0.332	< 1.0 U	33,900	34.3	415	27
SITE B	SITE B-220-Q222	N	3V	N/A	GW	5/18/2022	0.325	< 1.0 U	34,600	34.5	449	27.4
SITE B	SITE B-285-Q222	N	3V	N/A	GW	5/18/2022	0.328	< 1.0 U	35,600	34.7	344	30.9
TOPOCK-2	TOPOCK-2-Q222	N	EP	N/A	GW	5/18/2022	0.402	< 10 U	26,300	26.5	246	13.8
TOPOCK-3	TOPOCK-3-Q222	N	EP	N/A	GW	5/18/2022	0.527	< 10 U	38,400	37.9	404	11.4

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Hyd6 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Chromium, total dissolved by method SW 6020A (µg/L)	Cobalt, dissolved by method SW 6020A (µg/L)	Copper, dissolved by method SW 6020A (µg/L)	Deuterium by method CFIRM (0/00)	Fluoride by method EPA 300.0 (mg/L)	Iron, dissolved by method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q222	N	3V	N/A	GW	5/18/2022	27.9	< 1.0 U	< 2.0 U	-74	4.97	< 100 U
HNWR-01A	HNWR-01A-174-Q222	N	3V	N/A	GW	5/18/2022	29.9	< 1.0 U	< 2.0 U	-74.9	4.96	317
MARINA-1	MARINA-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	< 10 U	< 20 U	-75.7	3.75	< 1000 U
MTS-1	MTS-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	< 10 U	< 20 U	-72	5.47	< 1000 U
MTS-2	MTS-2-Q222	N	EP	N/A	GW	5/17/2022	11	< 10 U	< 20 U	-72.3	5.49	< 1000 U
MW-94-030	MW-94-030-Q222	N	LF	N/A	GW	5/17/2022	24	< 10 U	< 20 U	-73.6	3.83	1140
MW-94-100	MW-94-100-Q222	N	LF	N/A	GW	5/17/2022	11	< 10 U	< 20 U	-74.3	3.51	3720 J
MW-94-100	MW-901-Q222	FD	N/A	MW-94-100-Q222	GW	5/17/2022	< 10 U	< 10 U	< 20 U	-72.3	3.52	< 1000 UJ
MW-94-175	MW-94-175-Q222	N	LF	N/A	GW	5/17/2022	16.3	< 10 U	< 20 U	-75.5	4.1	< 1000 U
MW-99-060	MW-99-060-Q222	N	LF	N/A	GW	5/19/2022	< 1.0 U	< 1.0 U	< 2.0 U	-75.9	3.01	< 100 U
MW-99-140	MW-99-140-Q222	N	LF	N/A	GW	5/19/2022	5.9	< 1.0 U	< 2.0 U	-77.7	4.06	< 100 U
PGE-09N	PGE-09N-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	< 10 U	< 20 U	-72.8	3.47	6380
PGE-09S	PGE-09S-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	< 10 U	< 20 U	-73.1	2.42	3990
PGE-09S	MW-902-Q222	FD	N/A	PGE-09S-Q222	GW	5/19/2022	< 10 U	< 10 U	< 20 U	-76.9	2.4	3890
SITE B	SITE B-165-Q222	N	3V	N/A	GW	5/18/2022	30.4	< 1.0 U	< 2.0 U	-72.7	4.74	< 100 U
SITE B	SITE B-220-Q222	N	3V	N/A	GW	5/18/2022	72.8	< 1.0 U	< 2.0 U	-72.7	4.76	236
SITE B	SITE B-285-Q222	N	3V	N/A	GW	5/18/2022	59.1	< 1.0 U	< 2.0 U	-76.1	4.67	155
TOPOCK-2	TOPOCK-2-Q222	N	EP	N/A	GW	5/18/2022	17.9	< 10 U	< 20 U	-77.6	4.45	< 1000 U
TOPOCK-3	TOPOCK-3-Q222	N	EP	N/A	GW	5/18/2022	14.9	< 10 U	< 20 U	-77.8	4.61	2290

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Hyd6 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Lead, dissolved by method SW 6020A (µg/L)	Magnesium by method SW 6020A (µg/L)	Magnesium, dissolved by method SW 6020A (mg/L)	Manganese, dissolved by method SW 6020A (µg/L)	Mercury, dissolved by method EPA 7470A (µg/L)	Molybdenum, dissolved by method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	2230	2.31	< 10 U	< 0.50 U	16.3
HNWR-01A	HNWR-01A-174-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	2040	2.01	< 10 U	< 0.50 U	15.9
MARINA-1	MARINA-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	10100	10.6	< 100 U	< 0.50 U	41.8
MTS-1	MTS-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	3120	3.16	< 100 U	< 0.50 U	< 20 U
MTS-2	MTS-2-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	3200	3.22	< 100 U	< 0.50 U	< 20 U
MW-94-030	MW-94-030-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	13100	13.3	< 100 U	< 0.50 U	< 20 U
MW-94-100	MW-94-100-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	6850	6.66	< 100 U	< 0.50 U	20.9
MW-94-100	MW-901-Q222	FD	N/A	MW-94-100-Q222	GW	5/17/2022	< 10 U	6830	6.62	< 100 U	< 0.50 U	< 20 U
MW-94-175	MW-94-175-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	1680	1.53	< 100 U	< 0.50 U	< 20 U
MW-99-060	MW-99-060-Q222	N	LF	N/A	GW	5/19/2022	< 1.0 U	19900	19.7	112	< 0.50 U	38.4
MW-99-140	MW-99-140-Q222	N	LF	N/A	GW	5/19/2022	< 1.0 U	10000	10.1	< 10 U	< 0.50 U	18.4
PGE-09N	PGE-09N-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	97700	98.7	877	< 0.50 U	62.9
PGE-09S	PGE-09S-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	94600	93.6	556	< 0.50 U	50.5
PGE-09S	MW-902-Q222	FD	N/A	PGE-09S-Q222	GW	5/19/2022	< 10 U	93100	94.6	552	< 0.50 U	51
SITE B	SITE B-165-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	6630	6.63	< 10 U	< 0.50 U	13.2
SITE B	SITE B-220-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	6660	6.73	< 10 U	< 0.50 U	13.5
SITE B	SITE B-285-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	6850	6.75	< 10 U	< 0.50 U	12.6
TOPOCK-2	TOPOCK-2-Q222	N	EP	N/A	GW	5/18/2022	< 10 U	3890	3.94	< 100 U	< 0.50 U	< 20 U
TOPOCK-3	TOPOCK-3-Q222	N	EP	N/A	GW	5/18/2022	< 10 U	4540	4.55	< 100 U	0.897	20.5

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Hyd6 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nickel, dissolved by method SW 6020A (µg/L)	Nitrate by method EPA 300.0 (mg/L)	Oxygen 18 by method CFIRM (0/00)	Potassium by method SW 6020A (µg/L)	Potassium, dissolved by method SW 6020A (mg/L)	Selenium, dissolved by method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q222	N	3V	N/A	GW	5/18/2022	15.5	2.16	-10.05	6,750	7.01	< 1.0 U
HNWR-01A	HNWR-01A-174-Q222	N	3V	N/A	GW	5/18/2022	24.4	2.17	-10.17	6,830	6.74	< 1.0 U
MARINA-1	MARINA-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	< 2.0 U	-10.23	75,400	32	< 10 U
MTS-1	MTS-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	1.31	-9.56	7,940	8.13	< 10 U
MTS-2	MTS-2-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	1.82	-9.75	7,600	7.77	< 10 U
MW-94-030	MW-94-030-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	3.45	-10.09	6,500	6.48	< 10 U
MW-94-100	MW-94-100-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	1.99	-10.14	7,170	7.12	< 10 U
MW-94-100	MW-901-Q222	FD	N/A	MW-94-100-Q222	GW	5/17/2022	< 10 U	1.9	-9.76	7,110	7.21	< 10 U
MW-94-175	MW-94-175-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	2.34	-10.08	5,430	5.48	< 10 U
MW-99-060	MW-99-060-Q222	N	LF	N/A	GW	5/19/2022	< 1.0 U	0.112	-10.22	12,200	12.1	< 1.0 U
MW-99-140	MW-99-140-Q222	N	LF	N/A	GW	5/19/2022	4.3	2.19	-10.29	8,720	8.61	1.59
PGE-09N	PGE-09N-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	< 0.50 U	-9.91	14,100	14.5	< 10 U
PGE-09S	PGE-09S-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	< 0.50 U	-9.81	17,900	17.8	< 10 U
PGE-09S	MW-902-Q222	FD	N/A	PGE-09S-Q222	GW	5/19/2022	< 10 U	< 0.50 U	-10.23	17,900	18.3	< 10 U
SITE B	SITE B-165-Q222	N	3V	N/A	GW	5/18/2022	53.3	2.36	-9.58	5,430	5.41	< 1.0 U
SITE B	SITE B-220-Q222	N	3V	N/A	GW	5/18/2022	34.5	2.41	-9.93	5,410	5.43	1.04
SITE B	SITE B-285-Q222	N	3V	N/A	GW	5/18/2022	26.6	2.4	-9.82	5,520	5.58	< 1.0 U
TOPOCK-2	TOPOCK-2-Q222	N	EP	N/A	GW	5/18/2022	< 10 U	2.36	-10.04	5,300	5.37	< 10 U
TOPOCK-3	TOPOCK-3-Q222	N	EP	N/A	GW	5/18/2022	< 10 U	2.02	-10.07	6,740	6.72	< 10 U

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Hyd6 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Silver, dissolved by method SW 6020A (µg/L)	Sodium by method SW 6020A (µg/L)	Sodium, dissolved by method SW 6020A (mg/L)	Sulfate by method EPA 300.0 (mg/L)	Thallium, dissolved by method SW 6020A (µg/L)	Total dissolved solids by method SM 2540 C (mg/L)
HNWR-01A	HNWR-01A-98-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	436,000	445	95	< 1.0 U	833
HNWR-01A	HNWR-01A-174-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	416,000	425	120	< 1.0 U	1170
MARINA-1	MARINA-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	7,790,000	3120	902	< 10 U	15,400
MTS-1	MTS-1-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	429,000	434	137	< 10 U	1350
MTS-2	MTS-2-Q222	N	EP	N/A	GW	5/17/2022	< 10 U	382,000	386	161	< 10 U	1300
MW-94-030	MW-94-030-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	219,000	217	147	< 10 U	771
MW-94-100	MW-94-100-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	283,000	286	99	< 10 U	856
MW-94-100	MW-901-Q222	FD	N/A	MW-94-100-Q222	GW	5/17/2022	< 10 U	280,000	283	109	< 10 U	846
MW-94-175	MW-94-175-Q222	N	LF	N/A	GW	5/17/2022	< 10 U	183,000	186	69.9	< 10 U	543
MW-99-060	MW-99-060-Q222	N	LF	N/A	GW	5/19/2022	< 1.0 U	457,000	463	237	< 1.0 U	1370
MW-99-140	MW-99-140-Q222	N	LF	N/A	GW	5/19/2022	< 1.0 U	352,000	347	163	< 1.0 U	1190
PGE-09N	PGE-09N-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	2,450,000	2520	1060	< 10 U	6530
PGE-09S	PGE-09S-Q222	N	3V	N/A	GW	5/19/2022	< 10 U	2,550,000	2590	1000	< 10 U	6860
PGE-09S	MW-902-Q222	FD	N/A	PGE-09S-Q222	GW	5/19/2022	< 10 U	2,530,000	2590	946	< 10 U	6380
SITE B	SITE B-165-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	229,000	235	83.2	< 1.0 U	737
SITE B	SITE B-220-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	235,000	237	83.7	< 1.0 U	701
SITE B	SITE B-285-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	242,000	237	89.2	< 1.0 U	754
TOPOCK-2	TOPOCK-2-Q222	N	EP	N/A	GW	5/18/2022	< 10 U	188,000	190	72.1	< 10 U	630
TOPOCK-3	TOPOCK-3-Q222	N	EP	N/A	GW	5/18/2022	< 10 U	268,000	266	97.9	< 10 U	814

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Hyd6 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by method SW 9060A (mg/L)	Vanadium, dissolved by method SW 6020A (µg/L)	Zinc, dissolved by method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q222	N	3V	N/A	GW	5/18/2022	< 2.0 U	17.8	< 20 U
HNWR-01A	HNWR-01A-174-Q222	N	3V	N/A	GW	5/18/2022	< 3.0 U	16.8	< 20 U
MARINA-1	MARINA-1-Q222	N	EP	N/A	GW	5/17/2022	-	< 10 U	< 200 U
MTS-1	MTS-1-Q222	N	EP	N/A	GW	5/17/2022	-	< 10 U	< 200 U
MTS-2	MTS-2-Q222	N	EP	N/A	GW	5/17/2022	-	10.2	< 200 U
MW-94-030	MW-94-030-Q222	N	LF	N/A	GW	5/17/2022	< 1.0 U	11.1	< 200 U
MW-94-100	MW-94-100-Q222	N	LF	N/A	GW	5/17/2022	< 1.0 U	12.8	< 200 U
MW-94-100	MW-901-Q222	FD	N/A	MW-94-100-Q222	GW	5/17/2022	< 1.0 U	14	< 200 U
MW-94-175	MW-94-175-Q222	N	LF	N/A	GW	5/17/2022	< 2.0 U	18.2	< 200 U
MW-99-060	MW-99-060-Q222	N	LF	N/A	GW	5/19/2022	3.31	2.32	< 20 U
MW-99-140	MW-99-140-Q222	N	LF	N/A	GW	5/19/2022	< 1.0 U	6.39	< 20 U
PGE-09N	PGE-09N-Q222	N	3V	N/A	GW	5/19/2022	7.28	< 10 U	< 200 U
PGE-09S	PGE-09S-Q222	N	3V	N/A	GW	5/19/2022	7.58	< 10 U	< 200 U
PGE-09S	MW-902-Q222	FD	N/A	PGE-09S-Q222	GW	5/19/2022	7.77	< 10 U	< 200 U
SITE B	SITE B-165-Q222	N	3V	N/A	GW	5/18/2022	< 1.0 U	15.9	< 20 U
SITE B	SITE B-220-Q222	N	3V	N/A	GW	5/18/2022	< 2.0 U	17.4	< 20 U
SITE B	SITE B-285-Q222	N	3V	N/A	GW	5/18/2022	< 3.0 U	17.8	< 20 U
TOPOCK-2	TOPOCK-2-Q222	N	EP	N/A	GW	5/18/2022	< 1.0 U	24.6	< 200 U
TOPOCK-3	TOPOCK-3-Q222	N	EP	N/A	GW	5/18/2022	< 1.0 U	22.2	< 200 U

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J = estimated result value
LF = low flow
N = Normal
SM =standard method
SW = solid waste
U = analyte not detected
N/A = Not Applicable
- = no data

PCM 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Iron by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
IRZ-09-100	IRZ-09-100-0522	N	R	N/A	GW	5/18/2022	-	-	15	140 J	< 20 UJ	< 0.50 U
IRZ-13D-210	IRZ-13D-210-0522	N	R	N/A	GW	5/17/2022	-	-	500	< 100 UJ	< 20 UJ	2.5
IRZ-13S-095	IRZ-13S-095-0522	N	R	N/A	GW	5/17/2022	-	-	23	54 J	< 20 UJ	< 0.50 U
IRZ-23-143	IRZ-23-143-0522	N	R	N/A	GW	5/17/2022	-	-	650	< 20 UJ	< 20 UJ	< 0.50 U
MW-20-070	MW-20-070-0522	N	LF	N/A	GW	5/20/2022	1.1 J	29 J	330	-	< 20 U	1.6
MW-20-070	MW-915-Q222	FD	N/A	MW-20-070-0522	GW	5/20/2022	0.95 J	26 J	330	-	< 20 U	1.3
MW-20-100	MW-20-100-0522	N	LF	N/A	GW	5/20/2022	< 0.10 UJ	62 J	880	-	< 20 U	< 0.50 U
MW-20-130	MW-20-130-0522	N	LF	N/A	GW	5/20/2022	< 0.10 UJ	32 J	2000	-	< 20 U	3.2
MW-21	MW-21-0522	N	LF	N/A	GW	5/18/2022	7.6	35	< 0.20 U	-	930 J	480
MW-26	MW-26-0522	N	LF	N/A	GW	5/20/2022	< 0.10 UJ	87 J	340	-	< 20 U	120
MW-31-060	MW-31-060-0522	N	LF	N/A	GW	5/20/2022	< 0.10 UJ	79 J	48	-	140	690
MW-31-135	MW-31-135-0522	N	LF	N/A	GW	5/20/2022	< 0.10 UJ	51 J	26	-	< 20 U	3
MW-51	MW-51-0522	N	LF	N/A	GW	5/20/2022	< 0.10 UJ	29 J	870	-	< 20 U	< 0.50 U
MW-71-035	MW-71-035-0522	N	LF	N/A	GW	5/18/2022	< 0.10 U	41	< 1.0 U	-	58 J	45
MW-76-039	MW-76-039-0522	N	LF	N/A	GW	5/16/2022	< 0.10 UJ	70	44	-	< 20 U	1.4
MW-76-156	MW-76-156-0522	N	LF	N/A	GW	5/16/2022	< 0.10 UJ	43	5.5	-	< 100 U	71
MW-76-156	MW-914-Q222	FD	N/A	MW-76-156-0522	GW	5/16/2022	< 0.10 UJ	44	5.5	-	23	70
MW-76-181	MW-76-181-0522	N	LF	N/A	GW	5/16/2022	< 0.10 UJ	56	2000	-	< 100 U	16
MW-76-218	MW-76-218-0522	N	LF	N/A	GW	5/16/2022	3.6 J	54	120	-	< 100 U	140
MW-78-070	MW-78-070-0522	N	LF	N/A	GW	5/19/2022	< 0.10 U	120	660	-	< 20 UJ	470
MW-78-142	MW-78-142-0522	N	LF	N/A	GW	5/19/2022	< 0.10 U	26	5200	-	< 20 UJ	1.6
MW-79-058	MW-79-058-0522	N	LF	N/A	GW	5/19/2022	< 0.10 U	76	2900	-	< 20 UJ	< 0.50 U
MW-79-102	MW-79-102-0522	N	LF	N/A	GW	5/19/2022	< 0.10 U	40	2300	-	< 20 UJ	< 0.50 U
MW-79-102	MW-934-Q222	FD	N/A	MW-79-102-0522	GW	5/19/2022	< 0.10 U	39	2200	-	< 20 UJ	< 0.50 U
MW-80-057	MW-80-057-0522	N	LF	N/A	GW	5/18/2022	< 0.10 U	61	1000	-	50 J	5.9
MW-80-082	MW-80-082-0522	N	LF	N/A	GW	5/18/2022	< 0.10 U	42	470	-	< 20 UJ	4
TW-02D	TW-02D-0522	N	3V	N/A	GW	5/19/2022	< 0.10 U	51	8.5	-	560 J	270
TW-02S	TW-02S-0522	N	3V	N/A	GW	5/19/2022	0.57	52	97	-	< 20 UJ	< 0.50 U
TW-03D	TW-03D-0522	N	3V	N/A	GW	5/19/2022	< 0.10 U	43	610	-	< 20 UJ	150

Notes:
All samples were sent to Asset for analyses.
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Acronyms and Abbreviations:
µg/L = micrograms per liter
3V = three volume
EPA = Environmental Protection Agency
FD = field duplicate
GW = groundwater
LF = low flow
mg/L = milligrams per liter
N = Normal

PCM 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Sulfate by method EPA 300.0 (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
IRZ-09-100	IRZ-09-100-0522	N	R	N/A	GW	5/18/2022	-	-	< 1.0 U
IRZ-13D-210	IRZ-13D-210-0522	N	R	N/A	GW	5/17/2022	-	-	< 1.0 U
IRZ-13S-095	IRZ-13S-095-0522	N	R	N/A	GW	5/17/2022	-	-	< 1.0 U
IRZ-23-143	IRZ-23-143-0522	N	R	N/A	GW	5/17/2022	-	-	< 1.0 U
MW-20-070	MW-20-070-0522	N	LF	N/A	GW	5/20/2022	16	280	< 1.0 U
MW-20-070	MW-915-Q222	FD	N/A	MW-20-070-0522	GW	5/20/2022	16	270	< 1.0 U
MW-20-100	MW-20-100-0522	N	LF	N/A	GW	5/20/2022	4.3	650	< 1.0 U
MW-20-130	MW-20-130-0522	N	LF	N/A	GW	5/20/2022	4	1400	< 1.0 U
MW-21	MW-21-0522	N	LF	N/A	GW	5/18/2022	< 0.50 U	2000	< 1.0 U
MW-26	MW-26-0522	N	LF	N/A	GW	5/20/2022	1.2	560	< 1.0 U
MW-31-060	MW-31-060-0522	N	LF	N/A	GW	5/20/2022	< 0.50 U	560	< 1.0 U
MW-31-135	MW-31-135-0522	N	LF	N/A	GW	5/20/2022	1.5	720	< 50 U
MW-51	MW-51-0522	N	LF	N/A	GW	5/20/2022	2.1	590	< 1.0 U
MW-71-035	MW-71-035-0522	N	LF	N/A	GW	5/18/2022	< 0.50 U	1100	< 1.0 U
MW-76-039	MW-76-039-0522	N	LF	N/A	GW	5/16/2022	2.2	230	< 10 U
MW-76-156	MW-76-156-0522	N	LF	N/A	GW	5/16/2022	1.5	730	< 1.0 U
MW-76-156	MW-914-Q222	FD	N/A	MW-76-156-0522	GW	5/16/2022	1.5	740	< 1.0 U
MW-76-181	MW-76-181-0522	N	LF	N/A	GW	5/16/2022	2.7	910	< 1.0 U
MW-76-218	MW-76-218-0522	N	LF	N/A	GW	5/16/2022	1.1	940	< 1.0 U
MW-78-070	MW-78-070-0522	N	LF	N/A	GW	5/19/2022	1.6	360	< 1.0 U
MW-78-142	MW-78-142-0522	N	LF	N/A	GW	5/19/2022	9.6	910	< 1.0 U
MW-79-058	MW-79-058-0522	N	LF	N/A	GW	5/19/2022	11	410	< 1.0 U
MW-79-102	MW-79-102-0522	N	LF	N/A	GW	5/19/2022	7.5	690	< 1.0 U
MW-79-102	MW-934-Q222	FD	N/A	MW-79-102-0522	GW	5/19/2022	7.5	700	< 1.0 U
MW-80-057	MW-80-057-0522	N	LF	N/A	GW	5/18/2022	11	520	< 10 U
MW-80-082	MW-80-082-0522	N	LF	N/A	GW	5/18/2022	1.9	560	< 1.0 U
TW-02D	TW-02D-0522	N	3V	N/A	GW	5/19/2022	0.36	400	< 1.0 U
TW-02S	TW-02S-0522	N	3V	N/A	GW	5/19/2022	3.4	190	< 1.0 U
TW-03D	TW-03D-0522	N	3V	N/A	GW	5/19/2022	1.5	850	< 1.0 U

Notes:

All samples were sent to Asset for analyses.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
3V = three volume
EPA = Environmental Protection Agency
FD = field duplicate
GW = groundwater
LF = low flow
mg/L = milligrams per liter
N = Normal

PCM 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Iron by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
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R = River
SM = standard method
SW = solid waste
U = analyte not detected
N/A = not applicable
- = no data

RCM 2022-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-67-185	MW-67-185-0522	N	LF	GW	5/20/2022	< 40 U	< 5.0 UJ	1300	42 J	51
MW-68-180	MW-68-180-0522	N	LF	GW	5/20/2022	4500	4100 J	-	42 J	-

Notes:

All samples were sent to Asset for analyses.

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- LF = low flow
- GW = groundwater
- J - estimated result value
- N = Normal
- SW = solid waste
- U = analyte not detected
- = no data

RCM 2022-05 Surfacee Water Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
C-BNS	C-BNS-Q222	N	N/A	Surface Water	5/18/2022	2.1 J	< 0.20 U	< 1.0 U	< 0.50 U
C-CON-D	C-CON-D-Q222	N	N/A	Surface Water	5/19/2022	1.9 J	< 0.20 U	< 1.0 UJ	< 0.50 UJ
C-CON-D	MW-929-Q222	FD	C-CON-D-Q222	Surface Water	5/19/2022	2 J	< 0.20 U	< 1.0 UJ	3.7 J
C-CON-S	C-CON-S-Q222	N	N/A	Surface Water	5/19/2022	1.9 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-I-3-D	C-I-3-D-Q222	N	N/A	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	< 0.50 U
C-I-3-S	C-I-3-S-Q222	N	N/A	Surface Water	5/18/2022	1.9 J	< 0.20 U	< 1.0 U	< 0.50 U
C-MAR-D	C-MAR-D-Q222	N	N/A	Surface Water	5/19/2022	2.1 J	< 0.20 U	< 1.0 UJ	0.96
C-MAR-S	C-MAR-S-Q222	N	N/A	Surface Water	5/19/2022	2 J	< 0.20 U	< 1.0 UJ	2.6
C-NR1-D	C-NR1-D-Q222	N	N/A	Surface Water	5/19/2022	1.8 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-NR1-S	C-NR1-S-Q222	N	N/A	Surface Water	5/19/2022	2 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-NR3-D	C-NR3-D-Q222	N	N/A	Surface Water	5/19/2022	2 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-NR3-D	MW-930-Q222	FD	C-NR3-D-Q222	Surface Water	5/19/2022	2.1 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-NR3-S	C-NR3-S-Q222	N	N/A	Surface Water	5/19/2022	1.9 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-NR4-D	C-NR4-D-Q222	N	N/A	Surface Water	5/19/2022	1.9 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-NR4-S	C-NR4-S-Q222	N	N/A	Surface Water	5/19/2022	2 J	< 0.20 U	< 1.0 UJ	< 0.50 U
C-R22A-D	C-R22A-D-Q222	N	N/A	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	< 0.50 U
C-R22A-S	C-R22A-S-Q222	N	N/A	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	< 0.50 U
C-R27-D	C-R27-D-Q222	N	N/A	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	< 0.50 U
C-R27-S	C-R27-S-Q222	N	N/A	Surface Water	5/18/2022	1.9 J	< 0.20 U	< 1.0 U	< 0.50 U
C-TAZ-D	C-TAZ-D-Q222	N	N/A	Surface Water	5/18/2022	2.1 J	< 0.20 U	< 1.0 U	< 0.50 U
C-TAZ-S	C-TAZ-S-Q222	N	N/A	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	< 0.50 U
R-19	R-19-Q222	N	N/A	Surface Water	5/19/2022	1.9 J	< 0.20 U	< 1.0 UJ	< 0.50 U
R-28	R-28-Q222	N	N/A	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	0.58
R63	R63-Q222	N	N/A	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	1.2
R63	MW-931-Q222	FD	R63-Q222	Surface Water	5/18/2022	2 J	< 0.20 U	< 1.0 U	1.2
RRB	RRB-Q222	N	N/A	Surface Water	5/19/2022	2 J	< 0.20 U	< 1.0 UJ	7.6
SW1	SW1-Q222	N	N/A	Surface Water	5/18/2022	1.6 J	< 0.20 U	< 1.0 U	11
SW2	SW2-Q222	N	N/A	Surface Water	5/18/2022	1.9 J	< 0.20 U	< 1.0 U	1.8

Notes:

All samples were sent to Asset for analyses.

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Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicate

J - estimated result value

N = Normal

SW = solid waste

U = analyte not detected

N/A = not applicable

OMM 2022-Q2 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total by method SW 6020 (µg/L)	Ethanol by method SW 8260B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Total organic carbon by method SM 5310 B (mg/L)
BACKWASH POST-FILTER	BACKWASH POST-FILTER-041122	N	WATER	4/11/2022	420	420	-	< 20 U	71	-
BACKWASH POST-FILTER	BACKWASH POST-FILTER-052322	N	WATER	5/23/2022	390	450	-	< 20 U	5.2	-
BACKWASH POST-FILTER	BACKWASH POST-FILTER-061522	N	WATER	6/15/2022	370	440	-	< 20 U	17	-
BACKWASH PRE-FILTER	BACKWASH PRE-FILTER-041122	N	WATER	4/11/2022	410	380	-	< 20 U	70	-
BACKWASH PRE-FILTER	BACKWASH PRE-FILTER-052322	N	WATER	5/23/2022	400	400	-	25	5.1	-
BACKWASH PRE-FILTER	BACKWASH-PRE-FILTER-061522	N	WATER	6/15/2022	370	390	-	< 20 U	41	-
CAB_MIXER_606	CAB_MIXER_606-050922	N	GW	5/9/2022	-	-	1,000,000 J	-	-	-
CAB_MIXER_606	CAB_MIXER_606-052422	N	WATER	5/24/2022	-	-	2,200,000	-	-	790
CAB_MIXER_606	CAB_MIXER_606-060722	N	WATER	6/7/2022	-	-	1,100,000	-	-	-
CAB_MIXER_606	CAB_MIXER_606-062122	N	WATER	6/21/2022	-	-	1,400,000	-	-	-
CAB_MIXER_607	CAB_MIXER_607-041322	N	GW	4/13/2022	-	-	1,400,000	-	-	-
CAB_MIXER_607	CAB_MIXER_607-050922	N	GW	5/9/2022	-	-	1,300,000 J	-	-	-
CAB_MIXER_607	CAB_MIXER_607-052422	N	WATER	5/24/2022	-	-	1,500,000	-	-	490
CAB_MIXER_607	CAB_MIXER_607-060722	N	WATER	6/7/2022	-	-	670,000	-	-	-
CAB_MIXER_607	CAB_MIXER_607-062122	N	WATER	6/21/2022	-	-	1,400,000	-	-	-

Notes:

All samples were sent to Asset for analyses with the exception of additional TOC analyses (SM 5310B) analyzed by Enthalpy Labs.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
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- GW = groundwater
- J = estimated result value
- N = Normal
- SM =standard method
- SW = solid waste
- U = analyte not detected
- = no data

OMM 2022-Q2 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Total organic carbon by method SM 5310 C (mg/L)
BACKWASH POST-FILTER	BACKWASH POST-FILTER-041122	N	WATER	4/11/2022	-
BACKWASH POST-FILTER	BACKWASH POST-FILTER-052322	N	WATER	5/23/2022	-
BACKWASH POST-FILTER	BACKWASH POST-FILTER-061522	N	WATER	6/15/2022	-
BACKWASH PRE-FILTER	BACKWASH PRE-FILTER-041122	N	WATER	4/11/2022	-
BACKWASH PRE-FILTER	BACKWASH PRE-FILTER-052322	N	WATER	5/23/2022	-
BACKWASH PRE-FILTER	BACKWASH-PRE-FILTER-061522	N	WATER	6/15/2022	-
CAB_MIXER_606	CAB_MIXER_606-050922	N	GW	5/9/2022	690
CAB_MIXER_606	CAB_MIXER_606-052422	N	WATER	5/24/2022	860
CAB_MIXER_606	CAB_MIXER_606-060722	N	WATER	6/7/2022	640
CAB_MIXER_606	CAB_MIXER_606-062122	N	WATER	6/21/2022	610
CAB_MIXER_607	CAB_MIXER_607-041322	N	GW	4/13/2022	3.6
CAB_MIXER_607	CAB_MIXER_607-050922	N	GW	5/9/2022	640
CAB_MIXER_607	CAB_MIXER_607-052422	N	WATER	5/24/2022	700
CAB_MIXER_607	CAB_MIXER_607-060722	N	WATER	6/7/2022	450
CAB_MIXER_607	CAB_MIXER_607-062122	N	WATER	6/21/2022	610

Notes:

All samples were sent to Asset for analyses with the exception of additional TOC analyses (SM 5310B) analyzed by Enth

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Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- GW = groundwater
- J = estimated result value
- N = Normal
- SM =standard method
- SW = solid waste
- U = analyte not detected
- = no data

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO3 by method SM 2320 B (mg/L)	Aluminum by method SW 6010B (µg/L)	Aluminum, dissolved by method SW 6010B (µg/L)	Ammonia as nitrogen by method SM 4500-NH3 G (mg/L)	Antimony by method SW 6020 (µg/L)	Antimony, dissolved by method SW 6020 (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	84	< 50 U	< 50 U	< 0.22 U	< 0.50 U	< 0.50 U
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	78	530	< 50 U	< 0.23 U	< 0.50 U	< 0.50 U
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia, nitrate/nitrate N, sulfide and TKN which were analyzed by BC Labs.

< = analyte not detected at the reporting limit shown

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Arsenic by method SW 6020 (µg/L)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Beryllium by method SW 6020 (µg/L)	Beryllium, dissolved by method SW 6020 (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	< 0.10 U	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	< 0.10 U	< 0.10 U	45	48	< 0.50 U	< 0.50 U
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	< 0.10 U	< 0.10 U	180	170	< 0.50 U	< 0.50 U
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	< 0.10 U	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	< 0.10 U	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	< 0.10 U	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	< 0.10 U	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	< 0.10 U	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	< 0.10 U	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	< 0.10 U	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	< 0.10 U	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	< 0.10 U	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	< 0.10 U	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	< 0.10 U	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	< 0.10 U	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	< 0.10 U	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	< 0.10 U	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	< 0.50 U	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	< 0.10 U	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	< 0.10 U	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	< 0.10 U	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	< 0.10 U	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	< 0.10 U	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	< 0.10 U	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	< 0.10 U	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	0.65	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	< 0.10 U	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	< 0.10 U	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	0.48	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	< 0.10 U	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	< 0.10 U	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	< 0.10 U	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	< 0.10 U	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	< 0.10 U	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	< 0.10 U	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	< 0.10 U	-	-	-	-

Notes:

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< = analyte not detected at the reporting limit shown

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Boron by method SW 6010B (µg/L)	Boron, dissolved by method SW 6010B (mg/L)	Bromide by method EPA 300.0 (mg/L)	Cadmium by method SW 6020 (µg/L)	Cadmium, dissolved by method SW 6020 (µg/L)	Calcium by method SW 6010B (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	1200	1.2	< 5.0 U	< 0.50 U	< 0.50 U	250,000
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	1700	1.8	< 5.0 U	< 0.50 U	< 0.50 U	320,000
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

Notes:

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Calcium, dissolved by method SW 6010B (mg/L)	Chloride by method EPA 300.0 (mg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Cobalt by method SW 6020 (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	1400	-	1300	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	250	3100	1400	1400	1400	< 0.50 U
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	330	4300	1100	1200	1300	< 0.50 U
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	1600	-	1400	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	1600	-	1500	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	< 0.20 U	-	< 1.0 U	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	< 0.20 U	-	2	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	< 0.20 U	-	< 1.0 U	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	< 0.20 U	-	< 1.0 U	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	< 0.20 U	-	< 1.0 U	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	< 1.0 U	-	< 1.0 U	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	34	-	34	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	1100	-	1100	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	< 0.20 U	-	< 1.0 U	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	< 0.20 U	-	1.8	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	< 1.0 U	-	< 1.0 U	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	< 1.0 U	-	< 1.0 U	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	4300	-	4100	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	< 0.20 U	-	< 1.0 U	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	< 0.20 U	-	< 1.0 U	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	< 0.20 U	-	< 1.0 U	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	< 0.20 U	-	< 1.0 U	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	2300	-	2100	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	120	-	52	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	< 1.0 U	-	< 1.0 U	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	870	-	1600	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	< 0.20 U	-	< 1.0 U	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	< 0.20 U	-	< 1.0 U	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	1200	-	1100	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	4300	-	4300	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	1700	-	1600	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	4600	-	5400	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	< 0.20 U	-	< 1.0 U	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	< 0.20 U	-	< 1.0 U	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	6.6	-	2.6	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	< 0.20 U	-	< 1.0 U	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	< 1.0 U	-	< 1.0 U	-

Notes:

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Cobalt, dissolved by method SW 6020 (µg/L)	Copper by method SW 6020 (µg/L)	Copper, dissolved by method SW 6020 (µg/L)	Fluoride by method EPA 300.0 (mg/L)	Iron by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	< 0.50 U	1.4	1.1	3.4	72	31
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	< 0.50 U	< 1.0 U	< 1.0 U	4.3	940	44
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia, nitrate/nitrate N, sulfide and TKN which were analyzed by BC Labs.

< = analyte not detected at the reporting limit shown

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Lead by method SW 6020 (µg/L)	Lead, dissolved by method SW 6020 (µg/L)	Magnesium by method SW 6010B (µg/L)	Magnesium, dissolved by method SW 6010B (mg/L)	Manganese by method SW 6020 (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	< 1.0 U	< 1.0 U	14,000	14	64	70
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	< 1.0 U	< 1.0 U	18,000	18	150	130
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia, nitrate/nitrate N, sulfide and TKN which were analyzed by BC Labs.

< = analyte not detected at the reporting limit shown

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Mercury by method EPA 7470A (µg/L)	Mercury, dissolved by method EPA 7470A (µg/L)	Molybdenum by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nickel by method SW 6020 (µg/L)	Nickel, dissolved by method SW 6020 (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	< 0.20 U	< 0.20 U	27	30	< 25 U	< 25 U
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	< 0.20 U	< 0.20 U	31	28	< 25 U	< 25 U
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

Notes:

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by method EPA 353.2 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)	Potassium by method SW 6010B (µg/L)	Potassium, dissolved by method SW 6010B (mg/L)	Selenium by method SW 6020 (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	-	5.1	-	-	28	3.2
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	2.3	-	< 5.0 U	52000	33	2
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by method SW 6020 (µg/L)	Silver by method SW 6020 (µg/L)	Silver, dissolved by method SW 6020 (µg/L)	Sodium by method SW 6010B (µg/L)	Sodium, dissolved by method SW 6010B (mg/L)	Sulfate by method EPA 300.0 (mg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	3.7	< 0.50 U	< 0.50 U	-	2100	520
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	1.8	< 0.50 U	< 0.50 U	3,900,000	3500	710
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

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< = analyte not detected at the reporting limit shown

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Sulfide by method SM 4500-S D (mg/L)	Thallium by method SW 6020 (µg/L)	Thallium, dissolved by method SW 6020 (µg/L)	Total dissolved solids by method SM 2540 C (mg/L)	Total Kjeldahl Nitrogen by method EPA 351.2 (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	< 0.10 U	< 0.50 U	< 0.50 U	6400	0.26	< 20 U
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	< 0.10 U	< 0.50 U	< 0.50 U	9100	0.29	< 50 U
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-	-	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia, nitrate/nitrate N, sulfide and TKN which were analyzed by BC Labs.

< = analyte not detected at the reporting limit shown

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Vanadium by method SW 6020 (µg/L)	Vanadium, dissolved by method SW 6020 (µg/L)	Zinc by method SW 6020 (µg/L)	Zinc, dissolved by method SW 6020 (µg/L)
ER-1	ER-1-136-060122	N	N/A	GW	6/1/2022	-	-	-	-
ER-1	ER-1-SC-45-136	N	N/A	GW	6/2/2022	< 1.0 U	< 1.0 U	610	510
ER-2	ER-2-136-062822	N	N/A	GW	6/28/2022	1.5	< 1.0 U	800	660
ER-6	ER-6-050922	N	N/A	GW	5/9/2022	-	-	-	-
ER-6	ER-6-SC-130-223	N	N/A	GW	5/11/2022	-	-	-	-
FW-02A	FW-02A-VAS-117-122	N	N/A	GW	4/22/2022	-	-	-	-
FW-02A	FW-02A-VAS-127-132	N	N/A	GW	4/23/2022	-	-	-	-
FW-02A	FW-02A-VAS-137-142	N	N/A	GW	4/23/2022	-	-	-	-
FW-02A	FW-02A-VAS-147-152	N	N/A	GW	4/24/2022	-	-	-	-
FW-02A	FW-02A-VAS-157-162	N	N/A	GW	4/25/2022	-	-	-	-
FW-02A	FW-02A-VAS-167-172	N	N/A	GW	4/25/2022	-	-	-	-
FW-02A	FW-02A-VAS-177-182	N	N/A	GW	4/26/2022	-	-	-	-
TCS-1	TCS-1-VAS-164-169	N	N/A	GW	4/3/2022	-	-	-	-
TCS-1	TCS-1-VAS-192-197	N	N/A	GW	4/4/2022	-	-	-	-
TCS-1	TCS-1-VAS-221-226	N	N/A	GW	4/5/2022	-	-	-	-
TCS-1	TCS-1-VAS-254-259	N	N/A	GW	4/7/2022	-	-	-	-
TCS-1	TCS-1-VAS-266-271	N	N/A	GW	4/13/2022	-	-	-	-
TCS-2	TCS-2-VAS-131-136	N	N/A	GW	4/19/2022	-	-	-	-
TCS-2	TCS-2-VAS-147-152	N	N/A	GW	4/20/2022	-	-	-	-
TCS-2	DUP-01-042022	FD	TCS-2-VAS-147-152	GW	4/20/2022	-	-	-	-
TCS-2	TCS-2-VAS-161.5-166.5	N	N/A	GW	4/21/2022	-	-	-	-
TCS-2	TCS-2-VAS-181-186	N	N/A	GW	4/21/2022	-	-	-	-
TCS-2	TCS-2-VAS-202-207	N	N/A	GW	4/22/2022	-	-	-	-
TCS-2	TCS-2-VAS-211.5-216.5	N	N/A	GW	4/23/2022	-	-	-	-
TCS-2	TCS-2-VAS-220-225	N	N/A	GW	4/23/2022	-	-	-	-
TWB-01	TWB-1-VAS-82-87	N	N/A	WATER	3/18/2022	-	-	-	-
TWB-01	TWB-1-VAS-87-92	N	N/A	GW	3/20/2022	-	-	-	-
TWB-01	DUP-1-VAS-032022	FD	TWB-1-VAS-87-92	GW	3/20/2022	-	-	-	-
TWB-01	TWB-1-VAS-97-102	N	N/A	GW	3/20/2022	-	-	-	-
TWB-01	TWB-1-VAS-110-115	N	N/A	GW	3/21/2022	-	-	-	-
TWB-01	TWB-1-VAS-122-127	N	N/A	GW	3/21/2022	-	-	-	-
TWB-01	TWB-1-TEMP-042722	N	N/A	GW	4/27/2022	-	-	-	-
TWB-02	TWB-2-VAS-97-102	N	N/A	GW	3/29/2022	-	-	-	-
TWB-03	TWB-3-VAS-47-52	N	N/A	GW	5/6/2022	-	-	-	-
TWB-03	TWB-3-VAS-57-62	N	N/A	GW	5/6/2022	-	-	-	-
TWB-03	TWB-3-VAS-67-72	N	N/A	WATER	5/7/2022	-	-	-	-
TWB-03	TWB-3-VAS-76-81	N	N/A	WATER	5/8/2022	-	-	-	-

Notes:

All samples were sent to Asset for analyses with the exception of ammonia, nitrate/nitrate N, sulfide and TKN which were analyzed by BC Labs.

< = analyte not detected at the reporting limit shown

Phase 2a Construction

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO3 by method SM 2320 B (mg/L)	Aluminum by method SW 6010B (µg/L)	Aluminum, dissolved by method SW 6010B (µg/L)	Ammonia as nitrogen by method SM 4500-NH3 G (mg/L)	Antimony by method SW 6020 (µg/L)	Antimony, dissolved by method SW 6020 (µg/L)
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Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected
- N/A = not applicable
- = no data

Unvalidated RCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (EMAX) (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (EMAX) (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
MW-09	MW-09-Q222	N	LF	N/A	GW	6/8/2022	0.9	-	4	-	-
MW-09	MW-918-Q222	FD	N/A	MW-09-Q222	GW	6/8/2022	1.1	-	4.1	-	-
MW-10	MW-10-Q222	N	LF	N/A	GW	6/8/2022	98	-	96	-	-
MW-10	MW-919-Q222	FD	N/A	MW-10-Q222	GW	6/8/2022	99	-	95	-	-
MW-10D	MW-10D-Q222	N	LF	N/A	GW	6/8/2022	160	-	150	-	-
MW-11	MW-11-Q222	N	LF	N/A	GW	6/8/2022	45	-	44	-	-
MW-11D	MW-11D-Q222	N	LF	N/A	GW	6/8/2022	220	-	230	-	-
MW-12	MW-12-Q222	N	LF	N/A	GW	6/8/2022	2300	-	2400	-	-
MW-12	MW-920-Q222	FD	N/A	MW-12-Q222	GW	6/8/2022	2200	-	2400	-	-
MW-13	MW-13-Q222	N	LF	N/A	GW	6/16/2022	22	-	22	-	-
MW-14	MW-14-Q222	N	LF	N/A	GW	6/16/2022	11	-	11	-	-
MW-15	MW-15-Q222	N	LF	N/A	GW	6/14/2022	12	-	11 J	-	-
MW-19	MW-19-Q222	N	LF	N/A	GW	6/17/2022	55	-	54	-	-
MW-23-060	MW-23-060-Q222	N	LF	N/A	GW	6/9/2022	43	-	38 J	-	-
MW-23-080	MW-23-080-Q222	N	LF	N/A	GW	6/9/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-24A	MW-24A-Q222	N	LF	N/A	GW	6/16/2022	< 0.20 U	-	< 1.0 U	-	-
MW-24A	MW-921-Q222	FD	N/A	MW-24A-Q222	GW	6/16/2022	< 0.20 U	-	< 1.0 U	-	-
MW-24B	MW-24B-Q222	N	LF	N/A	GW	6/16/2022	45	-	160	-	-
MW-24BR	MW-24BR-Q222	N	3V	N/A	GW	6/17/2022	< 1.0 U	-	< 1.0 U	-	-
MW-25	MW-25-Q222	N	LF	N/A	GW	6/14/2022	58	-	53 J	-	-
MW-37D	MW-37D-Q222	N	LF	N/A	GW	6/16/2022	5.6	-	6	-	-
MW-37S	MW-37S-Q222	N	LF	N/A	GW	6/16/2022	12	-	12	-	-
MW-38D	MW-38D-Q222	N	LF	N/A	GW	6/8/2022	< 4.0 U	-	< 5.0 U	-	-
MW-38D	MW-922-Q222	FD	N/A	MW-38D-Q222	GW	6/8/2022	< 4.0 U	-	< 5.0 U	-	-
MW-38S	MW-38S-Q222	N	LF	N/A	GW	6/8/2022	17	-	16	-	-
MW-40D	MW-40D-Q222	N	LF	N/A	GW	6/16/2022	1.4	-	3.8	-	-
MW-40S	MW-40S-Q222	N	G	N/A	GW	6/16/2022	19	-	19	-	-
MW-41D	MW-41D-Q222	N	LF	N/A	GW	6/16/2022	< 1.0 U	-	1	-	-
MW-41M	MW-41M-Q222	N	LF	N/A	GW	6/16/2022	8.9	-	9.7	-	-
MW-41S	MW-41S-Q222	N	LF	N/A	GW	6/16/2022	4.8	-	5.1	-	-
MW-48	MW-48-Q222	N	3V	N/A	GW	6/10/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-48	MW-923-Q222	FD	N/A	MW-48-Q222	GW	6/10/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-50-095	MW-50-095-Q222	N	LF	N/A	GW	6/17/2022	14	-	14	-	-
MW-50-200	MW-50-200-Q222	N	LF	N/A	GW	6/17/2022	1800	-	2400	-	-
MW-54-085	MW-54-085-Q222	N	LF	N/A	GW	6/15/2022	-	< 0.20 U	-	< 10 U	-
MW-54-140	MW-54-140-Q222	N	LF	N/A	GW	6/15/2022	-	< 1.0 U	-	< 10 U	-
MW-54-195	MW-54-195-Q222	N	LF	N/A	GW	6/15/2022	-	< 0.20 U	-	< 10 U	-
MW-55-045	MW-55-045-Q222	N	LF	N/A	GW	6/14/2022	-	< 0.20 U	-	< 1.0 U	-
MW-55-120	MW-55-120-Q222	N	LF	N/A	GW	6/14/2022	-	7.7	-	< 10 U	-
MW-56D	MW-56D-Q222	N	LF	N/A	GW	6/14/2022	-	< 0.20 U	-	< 10 U	-
MW-56M	MW-56M-Q222	N	LF	N/A	GW	6/14/2022	-	< 0.20 U	-	< 10 U	-
MW-56S	MW-56S-Q222	N	LF	N/A	GW	6/14/2022	-	< 0.20 U	-	< 10 U	-
MW-57-070	MW-57-070-Q222	N	LF	N/A	GW	6/7/2022	570	-	520	-	-
MW-57-185	MW-57-185-Q222	N	LF	N/A	GW	6/7/2022	< 1.0 U	-	< 1.0 U	-	-

Unvalidated RCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-09	MW-09-Q222	N	LF	N/A	GW	6/8/2022	10	3.1	2.2
MW-09	MW-918-Q222	FD	N/A	MW-09-Q222	GW	6/8/2022	11	2.9	2.3
MW-10	MW-10-Q222	N	LF	N/A	GW	6/8/2022	16	9.6	5.8
MW-10	MW-919-Q222	FD	N/A	MW-10-Q222	GW	6/8/2022	16	9.6	6.1
MW-10D	MW-10D-Q222	N	LF	N/A	GW	6/8/2022	1.5	8.9	5.7
MW-11	MW-11-Q222	N	LF	N/A	GW	6/8/2022	-	-	-
MW-11D	MW-11D-Q222	N	LF	N/A	GW	6/8/2022	-	-	-
MW-12	MW-12-Q222	N	LF	N/A	GW	6/8/2022	12	14	15
MW-12	MW-920-Q222	FD	N/A	MW-12-Q222	GW	6/8/2022	13	15	16
MW-13	MW-13-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-14	MW-14-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-15	MW-15-Q222	N	LF	N/A	GW	6/14/2022	-	-	-
MW-19	MW-19-Q222	N	LF	N/A	GW	6/17/2022	-	-	-
MW-23-060	MW-23-060-Q222	N	LF	N/A	GW	6/9/2022	-	-	-
MW-23-080	MW-23-080-Q222	N	LF	N/A	GW	6/9/2022	-	-	-
MW-24A	MW-24A-Q222	N	LF	N/A	GW	6/16/2022	46	0.55	0.63
MW-24A	MW-921-Q222	FD	N/A	MW-24A-Q222	GW	6/16/2022	42	0.5	< 0.50 U
MW-24B	MW-24B-Q222	N	LF	N/A	GW	6/16/2022	36	1.3	1.4
MW-24BR	MW-24BR-Q222	N	3V	N/A	GW	6/17/2022	-	-	-
MW-25	MW-25-Q222	N	LF	N/A	GW	6/14/2022	-	-	-
MW-37D	MW-37D-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-37S	MW-37S-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-38D	MW-38D-Q222	N	LF	N/A	GW	6/8/2022	28	< 1.0 U	< 2.5 U
MW-38D	MW-922-Q222	FD	N/A	MW-38D-Q222	GW	6/8/2022	34	< 1.0 U	< 2.5 U
MW-38S	MW-38S-Q222	N	LF	N/A	GW	6/8/2022	7	5.2	4.5
MW-40D	MW-40D-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-40S	MW-40S-Q222	N	G	N/A	GW	6/16/2022	-	-	-
MW-41D	MW-41D-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-41M	MW-41M-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-41S	MW-41S-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-48	MW-48-Q222	N	3V	N/A	GW	6/10/2022	9.6	< 0.50 U	< 0.50 U
MW-48	MW-923-Q222	FD	N/A	MW-48-Q222	GW	6/10/2022	9.8	< 0.50 U	< 0.50 U
MW-50-095	MW-50-095-Q222	N	LF	N/A	GW	6/17/2022	-	-	-
MW-50-200	MW-50-200-Q222	N	LF	N/A	GW	6/17/2022	-	-	-
MW-54-085	MW-54-085-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-54-140	MW-54-140-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-54-195	MW-54-195-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-55-045	MW-55-045-Q222	N	LF	N/A	GW	6/14/2022	-	-	-
MW-55-120	MW-55-120-Q222	N	LF	N/A	GW	6/14/2022	-	-	-
MW-56D	MW-56D-Q222	N	LF	N/A	GW	6/14/2022	-	-	-
MW-56M	MW-56M-Q222	N	LF	N/A	GW	6/14/2022	-	-	-
MW-56S	MW-56S-Q222	N	LF	N/A	GW	6/14/2022	-	-	-
MW-57-070	MW-57-070-Q222	N	LF	N/A	GW	6/7/2022	-	-	-
MW-57-185	MW-57-185-Q222	N	LF	N/A	GW	6/7/2022	-	-	-

Unvalidated RCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (EMAX) (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (EMAX) (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
MW-58BR	MW-58BR-Q222	N	LF	N/A	GW	6/21/2022	< 0.20 U	-	< 1.0 UJ	-	-
MW-59-100	MW-59-100-Q222	N	LF	N/A	GW	6/9/2022	1700	-	1700 J	-	-
MW-60-125	MW-60-125-Q222	N	LF	N/A	GW	6/16/2022	270	-	260	-	-
MW-60BR-245	MW-60BR-245-Q222	N	LF	N/A	GW	6/16/2022	10	-	10	-	-
MW-61-110	MW-61-110-Q222	N	LF	N/A	GW	6/16/2022	310	-	280	-	-
MW-62-065	MW-62-065-Q222	N	LF	N/A	GW	6/9/2022	650	-	660 J	-	-
MW-62-110	MW-62-110-Q222	N	3V	N/A	GW	6/22/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-62-190	MW-62-190-Q222	N	3V	N/A	GW	6/22/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-63-065	MW-63-065-Q222	N	LF	N/A	GW	6/9/2022	1.1	-	2.2 J	-	-
MW-64BR	MW-64BR-Q222	N	LF	N/A	GW	6/22/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-65-160	MW-65-160-Q222	N	LF	N/A	GW	6/21/2022	270	-	330 J	-	-
MW-65-225	MW-65-225-Q222	N	LF	N/A	GW	6/21/2022	390	-	530 J	-	-
MW-65-225	MW-924-Q222	FD	N/A	MW-65-225-Q222	GW	6/21/2022	390	-	460 J	-	-
MW-66-165	MW-66-165-Q222	N	LF	N/A	GW	6/6/2022	380	-	410	-	-
MW-66-230	MW-66-230-Q222	N	LF	N/A	GW	6/6/2022	6100	-	5600	-	-
MW-66BR-270	MW-66BR-270-Q222	N	3V	N/A	GW	6/20/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-67-185	MW-67-185-Q222	N	LF	N/A	GW	6/22/2022	< 40 U	-	< 25 UJ	-	1600 J
MW-67-185	MW-925-Q222	FD	N/A	MW-67-185-Q222	GW	6/22/2022	< 40 U	-	< 25 UJ	-	1700 J
MW-67-225	MW-67-225-Q222	N	LF	N/A	GW	6/21/2022	3400	-	3100 J	-	-
MW-67-260	MW-67-260-Q222	N	LF	N/A	GW	6/21/2022	490	-	450 J	-	-
MW-68-180	MW-68-180-Q222	N	LF	N/A	GW	6/14/2022	3300	-	4000 J	-	-
MW-68-180	MW-926-Q222	FD	N/A	MW-68-180-Q222	GW	6/14/2022	3300	-	3800 J	-	-
MW-68-240	MW-68-240-Q222	N	LF	N/A	GW	6/14/2022	2100	-	2400 J	-	-
MW-68BR-280	MW-68BR-280-Q222	N	3V	N/A	GW	6/14/2022	< 1.0 U	-	< 1.0 UJ	-	-
MW-69-195	MW-69-195-Q222	N	LF	N/A	GW	6/20/2022	360	-	370 J	-	-
MW-69-195	MW-927-Q222	FD	N/A	MW-69-195-Q222	GW	6/20/2022	360	-	370 J	-	-
MW-70-105	MW-70-105-Q222	N	LF	N/A	GW	6/21/2022	110	-	110 J	-	-
MW-70BR-225	MW-70BR-225-Q222	N	LF	N/A	GW	6/21/2022	1400	-	1300 J	-	-
MW-70BR-287	MW-70BR-287-Q222	N	LF	N/A	GW	6/21/2022	380	-	430 J	-	-
MW-72-080	MW-72-080-Q222	N	LF	N/A	GW	6/17/2022	35	-	32	-	-
MW-72BR-200	MW-72BR-200-Q222	N	LF	N/A	GW	6/17/2022	< 1.0 U	-	< 1.0 U	-	-
MW-73-080	MW-73-080-Q222	N	LF	N/A	GW	6/17/2022	25	-	22	-	-
MW-74-240	MW-74-240-Q222	N	LF	N/A	GW	6/20/2022	< 0.20 U	-	< 1.0 UJ	-	-
MW-83-090	MW-83-090-Q222	N	LF	N/A	GW	6/22/2022	38	-	34 J	-	-
MW-83-180	MW-83-180-Q222	N	LF	N/A	GW	6/22/2022	3.7	-	4.3 J	-	-
MW-83-225	MW-83-225-Q222	N	LF	N/A	GW	6/22/2022	47	-	42 J	-	-
MW-83-245	MW-83-245-Q222	N	LF	N/A	GW	6/22/2022	2600	-	2600 J	-	-
MW-84-057	MW-84-057-Q222	N	LF	N/A	GW	6/6/2022	24	-	25	-	-
MW-84-095	MW-84-095-Q222	N	LF	N/A	GW	6/6/2022	2.1	-	3	-	-
MW-84-132	MW-84-132-Q222	N	LF	N/A	GW	6/6/2022	1.8	-	2	-	-
MW-84-193	MW-84-193-Q222	N	LF	N/A	GW	6/6/2022	3.9	-	4.7	-	-
MW-85-129	MW-85-129-Q222	N	LF	N/A	GW	6/10/2022	110	-	110 J	-	-
MW-85-217	MW-85-217-Q222	N	LF	N/A	GW	6/10/2022	520	-	590 J	-	-
MW-85-237	MW-85-237-Q222	N	LF	N/A	GW	6/10/2022	1700	-	2200 J	-	-

Unvalidated RCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-58BR	MW-58BR-Q222	N	LF	N/A	GW	6/21/2022	-	-	-
MW-59-100	MW-59-100-Q222	N	LF	N/A	GW	6/9/2022	-	-	-
MW-60-125	MW-60-125-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-60BR-245	MW-60BR-245-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-61-110	MW-61-110-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-62-065	MW-62-065-Q222	N	LF	N/A	GW	6/9/2022	-	-	-
MW-62-110	MW-62-110-Q222	N	3V	N/A	GW	6/22/2022	-	-	-
MW-62-190	MW-62-190-Q222	N	3V	N/A	GW	6/22/2022	-	-	-
MW-63-065	MW-63-065-Q222	N	LF	N/A	GW	6/9/2022	-	-	-
MW-64BR	MW-64BR-Q222	N	LF	N/A	GW	6/22/2022	-	-	-
MW-65-160	MW-65-160-Q222	N	LF	N/A	GW	6/21/2022	25 J	13	9.4 J
MW-65-225	MW-65-225-Q222	N	LF	N/A	GW	6/21/2022	31 J	6.4	4.7 J
MW-65-225	MW-924-Q222	FD	N/A	MW-65-225-Q222	GW	6/21/2022	30 J	6.4	4.6 J
MW-66-165	MW-66-165-Q222	N	LF	N/A	GW	6/6/2022	5.8 J	21	17
MW-66-230	MW-66-230-Q222	N	LF	N/A	GW	6/6/2022	89 J	13	12
MW-66BR-270	MW-66BR-270-Q222	N	3V	N/A	GW	6/20/2022	-	-	-
MW-67-185	MW-67-185-Q222	N	LF	N/A	GW	6/22/2022	40 J	10	58
MW-67-185	MW-925-Q222	FD	N/A	MW-67-185-Q222	GW	6/22/2022	42 J	< 10 U	64
MW-67-225	MW-67-225-Q222	N	LF	N/A	GW	6/21/2022	65 J	16	50 J
MW-67-260	MW-67-260-Q222	N	LF	N/A	GW	6/21/2022	67 J	0.3	1.1 J
MW-68-180	MW-68-180-Q222	N	LF	N/A	GW	6/14/2022	46 J	10	5.9
MW-68-180	MW-926-Q222	FD	N/A	MW-68-180-Q222	GW	6/14/2022	46 J	10	5.5
MW-68-240	MW-68-240-Q222	N	LF	N/A	GW	6/14/2022	22 J	4.2	4.1
MW-68BR-280	MW-68BR-280-Q222	N	3V	N/A	GW	6/14/2022	-	-	-
MW-69-195	MW-69-195-Q222	N	LF	N/A	GW	6/20/2022	54 J	14	9.4 J
MW-69-195	MW-927-Q222	FD	N/A	MW-69-195-Q222	GW	6/20/2022	52 J	15	8.6 J
MW-70-105	MW-70-105-Q222	N	LF	N/A	GW	6/21/2022	69 J	3.7	4 J
MW-70BR-225	MW-70BR-225-Q222	N	LF	N/A	GW	6/21/2022	17 J	3	2.2 J
MW-70BR-287	MW-70BR-287-Q222	N	LF	N/A	GW	6/21/2022	-	-	-
MW-72-080	MW-72-080-Q222	N	LF	N/A	GW	6/17/2022	-	-	-
MW-72BR-200	MW-72BR-200-Q222	N	LF	N/A	GW	6/17/2022	-	-	-
MW-73-080	MW-73-080-Q222	N	LF	N/A	GW	6/17/2022	-	-	-
MW-74-240	MW-74-240-Q222	N	LF	N/A	GW	6/20/2022	-	-	-
MW-83-090	MW-83-090-Q222	N	LF	N/A	GW	6/22/2022	-	-	-
MW-83-180	MW-83-180-Q222	N	LF	N/A	GW	6/22/2022	-	-	-
MW-83-225	MW-83-225-Q222	N	LF	N/A	GW	6/22/2022	-	-	-
MW-83-245	MW-83-245-Q222	N	LF	N/A	GW	6/22/2022	-	-	-
MW-84-057	MW-84-057-Q222	N	LF	N/A	GW	6/6/2022	-	-	-
MW-84-095	MW-84-095-Q222	N	LF	N/A	GW	6/6/2022	-	-	-
MW-84-132	MW-84-132-Q222	N	LF	N/A	GW	6/6/2022	-	-	-
MW-84-193	MW-84-193-Q222	N	LF	N/A	GW	6/6/2022	-	-	-
MW-85-129	MW-85-129-Q222	N	LF	N/A	GW	6/10/2022	-	-	-
MW-85-217	MW-85-217-Q222	N	LF	N/A	GW	6/10/2022	-	-	-
MW-85-237	MW-85-237-Q222	N	LF	N/A	GW	6/10/2022	-	-	-

Unvalidated RCM 2022-06 Sampling											
Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (EMAX) (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (EMAX) (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
MW-87-109	MW-87-109-Q222	N	LF	N/A	GW	6/8/2022	26	-	26	-	-
MW-87-139	MW-87-139-Q222	N	LF	N/A	GW	6/8/2022	8.7	-	8.5	-	-
MW-87-192	MW-87-192-Q222	N	LF	N/A	GW	6/8/2022	1.2	-	1.3	-	-
MW-87-275	MW-87-275-Q222	N	LF	N/A	GW	6/8/2022	< 1.0 U	-	1.2	-	-
MW-88-107	MW-88-107-Q222	N	LF	N/A	GW	6/8/2022	94	-	92	-	-
MW-89-183	MW-89-183-Q222	N	LF	N/A	GW	6/16/2022	1	-	1.1	-	-
MW-89-273	MW-89-273-Q222	N	LF	N/A	GW	6/16/2022	0.58	-	1.1	-	-
MW-91-045	MW-91-045-Q222	N	LF	N/A	GW	6/15/2022	-	< 0.20 U	-	< 1.0 U	-
MW-91-120	MW-91-120-Q222	N	LF	N/A	GW	6/15/2022		< 0.20 U	-	< 10 U	-
MW-91-170	MW-91-170-Q222	N	LF	N/A	GW	6/15/2022		< 0.20 U	-	< 10 U	-
MW-91-320	MW-91-320-Q222	N	LF	N/A	GW	6/15/2022		< 0.20 U	-	< 10 U	-
MW-92-037	MW-92-037-Q222	N	LF	N/A	GW	6/15/2022		< 0.20 U	-	< 1.0 U	-
MW-92-072	MW-92-072-Q222	N	LF	N/A	GW	6/15/2022		< 0.20 U	-	< 1.0 U	-
MW-92-102	MW-92-102-Q222	N	LF	N/A	GW	6/15/2022		3.93	-	3.87	-
MW-92-122	MW-92-122-Q222	N	LF	N/A	GW	6/15/2022		< 0.20 U	-	< 10 U	-
MW-93-050	MW-93-050-Q222	N	LF	N/A	GW	6/23/2022	19	-	18	-	-
MW-93-213	MW-93-213-Q222	N	LF	N/A	GW	6/23/2022	< 1.0 U	-	1.6	-	-
MW-95-113	MW-95-113-Q222	N	LF	N/A	GW	6/22/2022	3.5	-	3.7	-	-
MW-95-157	MW-95-157-Q222	N	LF	N/A	GW	6/22/2022	3.7	-	7.1 J	-	-
MW-98-055	MW-98-055-Q222	N	LF	N/A	GW	6/9/2022	130	-	120 J	-	-
MW-98-077	MW-98-077-Q222	N	LF	N/A	GW	6/9/2022	440	-	430 J	-	-
PGE-08	PGE-08-Q222	N	3V	N/A	GW	6/10/2022	< 1.0 U	-	< 1.0 UJ	-	-
PT8D	PT8D-Q222	N	LF	N/A	GW	6/23/2022	220	-	250	-	-
PT9D	PT9D-Q222	N	LF	N/A	GW	6/23/2022	5000	-	5500	-	-
PT9M	PT9M-Q222	N	LF	N/A	GW	6/23/2022	310	-	340	-	-
PT9S	PT9S-Q222	N	LF	N/A	GW	6/23/2022	41	-	40	-	-
TW-05	TW-05-Q222	N	LF	N/A	GW	6/17/2022	13	-	12	-	-

Notes:

All samples were sent to Asset for analyses except where EMAX is included in the column header.

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- 3V = three volume
- EPA = Environmental Protection Agency
- G = grab
- GW = groundwater
- J - estimated result value
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- U = analyte not detected

Unvalidated RCM 2022-06 Sampling									
Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-87-109	MW-87-109-Q222	N	LF	N/A	GW	6/8/2022	-	-	-
MW-87-139	MW-87-139-Q222	N	LF	N/A	GW	6/8/2022	-	-	-
MW-87-192	MW-87-192-Q222	N	LF	N/A	GW	6/8/2022	-	-	-
MW-87-275	MW-87-275-Q222	N	LF	N/A	GW	6/8/2022	-	-	-
MW-88-107	MW-88-107-Q222	N	LF	N/A	GW	6/8/2022	-	-	-
MW-89-183	MW-89-183-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-89-273	MW-89-273-Q222	N	LF	N/A	GW	6/16/2022	-	-	-
MW-91-045	MW-91-045-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-91-120	MW-91-120-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-91-170	MW-91-170-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-91-320	MW-91-320-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-92-037	MW-92-037-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-92-072	MW-92-072-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-92-102	MW-92-102-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-92-122	MW-92-122-Q222	N	LF	N/A	GW	6/15/2022	-	-	-
MW-93-050	MW-93-050-Q222	N	LF	N/A	GW	6/23/2022	-	-	-
MW-93-213	MW-93-213-Q222	N	LF	N/A	GW	6/23/2022	-	-	-
MW-95-113	MW-95-113-Q222	N	LF	N/A	GW	6/22/2022	-	-	-
MW-95-157	MW-95-157-Q222	N	LF	N/A	GW	6/22/2022	-	-	-
MW-98-055	MW-98-055-Q222	N	LF	N/A	GW	6/9/2022	-	-	-
MW-98-077	MW-98-077-Q222	N	LF	N/A	GW	6/9/2022	-	-	-
PGE-08	PGE-08-Q222	N	3V	N/A	GW	6/10/2022	-	-	-
PT8D	PT8D-Q222	N	LF	N/A	GW	6/23/2022	-	-	-
PT9D	PT9D-Q222	N	LF	N/A	GW	6/23/2022	-	-	-
PT9M	PT9M-Q222	N	LF	N/A	GW	6/23/2022	-	-	-
PT9S	PT9S-Q222	N	LF	N/A	GW	6/23/2022	-	-	-
TW-05	TW-05-Q222	N	LF	N/A	GW	6/17/2022	-	-	-

Notes:

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Unvalidated RCM 2022-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (EMAX) (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (EMAX) (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
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N/A = not applicable

- = no data