

Unvalidated Hyd6 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Deuterium by Method CF-IRMS (0/00)	Oxygen 18 by Method CF-IRMS (0/00)
HNWR-01A-098	HNWR-01A-098-Q223	N	LF	-	GW	5/18/2023	-74.5	-10.05
HNWR-01A-174	HNWR-01A-174-Q223	N	LF	-	GW	5/18/2023	-74.9	-10.04
MTS-1	MTS-1-Q223	N	EP	-	GW	5/19/2023	-75	-10.04
MTS-2	MTS-2-Q223	N	EP	-	GW	5/19/2023	-75	-9.99
MW-94-030	MW-94-030-Q223	N	LF	-	GW	5/19/2023	-70.7	-9.51
MW-94-100	MW-94-100-Q223	N	LF	-	GW	5/19/2023	-72.9	-9.74
MW-94-100	MW-901-Q223	FD	-	MW-94-100-Q223	GW	5/19/2023	-72.7	-9.71
MW-94-175	MW-94-175-Q223	N	LF	-	GW	5/19/2023	-73.6	-10
MW-99-060	MW-99-060-Q223	N	LF	-	GW	5/19/2023	-72.2	-9.59
MW-99-140	MW-99-140-Q223	N	LF	-	GW	5/19/2023	-73.6	-9.77
PGE-09N	PGE-09N-Q223	N	LF	-	GW	5/18/2023	-80.8	-10.14
PGE-09S	PGE-09S-Q223	N	LF	-	GW	5/18/2023	-80	-10.08
PGE-09S	MW-902-Q223	FD	-	PGE-09S-Q223	GW	5/18/2023	-79.5	-10.03
SITE B-165	SITE B-165-Q223	N	3V	-	GW	5/18/2023	-76.6	-10.19
SITE B-220	SITE B-220-Q223	N	3V	-	GW	5/18/2023	-76.2	-10.2
SITE B-285	SITE B-285-Q223	N	3V	-	GW	5/18/2023	-75.9	-10.22
TOPOCK-2	TOPOCK-2-Q223	N	EP	-	GW	6/14/2023	-71.8	-9.88
TOPOCK-3	TOPOCK-3-Q223	N	EP	-	GW	6/14/2023	-72.3	-9.78

Notes:

All samples were sent to EMAX for analyses with the exception of Oxygen and Deuterium by CFIRM which were sent to Isotech Laboratories.

Acronyms and Abbreviations:

- = no entry
 µg/L = micrograms per liter
 3V = three volume
 EP = extraction port
 FD = field duplicate
 GW = groundwater
 LF = low flow
 mg/L = milligrams per liter
 N = Normal

Unvalidated OMM 2023-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)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)
RPWC EFF	RPWC EFF-20230404	N	WATER	4/4/2023	0.54	55	300	260
RPWC EFF	RPWC EFF-20230411	N	WATER	4/11/2023	0.38	51	130	170
RPWC EFF	RPWC EFF-20230418	N	WATER	4/18/2023	0.61	32	40	140
RPWC EFF	RPWC EFF-20230425	N	WATER	4/25/2023	0.32	42	62	130
RPWC EFF	RPWC EFF-20230502	N	WATER	5/2/2023	0.33	94	110	92
RPWC EFF	RPWC EFF-20230516	N	WATER	5/16/2023	0.23	27	110	120
RPWC EFF	RPWC EFF-20230523	N	WATER	5/23/2023	< 0.20 U	14	140	230
RPWC EFF	RPWC EFF-20230531	N	WATER	5/31/2023	< 0.20 U	7.6	290	390
RPWC EFF	RPWC EFF-20230606	N	WATER	6/6/2023	< 0.20 U	6	550	680
RPWC EFF	RPWC EFF-20230613	N	WATER	6/13/2023	< 0.20 U	6.3	160	580
RPWC INF	RPWC INF-20230404	N	WATER	4/4/2023	0.43	91	400	300
RPWC INF	RPWC INF-20230411	N	WATER	4/11/2023	0.45	98	150	160
RPWC INF	RPWC INF-20230418	N	WATER	4/18/2023	0.77	48	44	140
RPWC INF	RPWC INF-20230425	N	WATER	4/25/2023	0.23	64	60	130
RPWC INF	RPWC INF-20230502	N	WATER	5/2/2023	0.58	78	42	80
RPWC INF	RPWC INF-20230516	N	WATER	5/16/2023	0.48	52	53	150
RPWC INF	RPWC INF-20230523	N	WATER	5/23/2023	< 0.20 U	12	35	270
RPWC INF	RPWC INF-20230531	N	WATER	5/31/2023	< 0.20 U	21	120	420
RPWC INF	RPWC INF-20230606	N	WATER	6/6/2023	< 0.20 U	35	620	640
RPWC INF	RPWC INF-20230613	N	WATER	6/13/2023	0.29	16	170	620
RPWC MID	RPWC MID-20230404	N	WATER	4/4/2023	1.1	57	180	260
RPWC MID	RPWC MID-20230411	N	WATER	4/11/2023	0.63	56	82	170
RPWC MID	RPWC MID-20230418	N	WATER	4/18/2023	0.47	130	41	130
RPWC MID	RPWC MID-20230425	N	WATER	4/25/2023	< 0.20 U	43	120	140
RPWC MID	RPWC MID-20230502	N	WATER	5/2/2023	0.4	2.9	1900	130
RPWC MID	RPWC MID-20230516	N	WATER	5/16/2023	0.39	28	65	140
RPWC MID	RPWC MID-20230523	N	WATER	5/23/2023	< 0.20 U	9.4	190	180
RPWC MID	RPWC MID-20230531	N	WATER	5/31/2023	< 0.20 U	12	300	280
RPWC MID	RPWC MID-20230606	N	WATER	6/6/2023	< 0.20 U	8.8	630	470
RPWC MID	RPWC MID-20230613	N	WATER	6/13/2023	< 0.20 U	7	150	580

Notes:

All samples were sent to Asset Laboratory for analyses.

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 mg/L = milligrams per liter
 N = Normal
 SW = solid waste

Unvalidated PCM 2023-04 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, dissolved by Method SW 6010B (µg/L)
MW-20-070	MW-20-070-0423	N	LF	-	GW	4/5/2023	1.3	32	530	200
MW-20-100	MW-20-100-0423	N	LF	-	GW	4/5/2023	< 0.10 U	44	1800	150
MW-20-130	MW-20-130-0423	N	LF	-	GW	4/5/2023	< 0.10 U	36	1800	170
MW-21	MW-21-0423	N	LF	-	GW	4/5/2023	13	32	< 0.20 U	520
MW-26	MW-26-0423	N	LF	-	GW	4/5/2023	< 0.10 U	120	1	510
MW-30-050	MW-30-050-0423	N	LF	-	GW	4/6/2023	< 0.10 U	31	< 0.20 U	420
MW-31-060	MW-31-060-0423	N	LF	-	GW	4/4/2023	0.86	140	0.41	65
MW-31-135	MW-31-135-0423	N	LF	-	GW	4/4/2023	< 0.10 U	37	16	< 20 U
MW-34-080	MW-34-080-0423	N	LF	-	GW	4/5/2023	< 0.10 U	43	< 0.20 U	1200
MW-36-090	MW-36-090-0423	N	LF	-	GW	4/4/2023	< 0.10 U	76	< 0.20 U	85
MW-36-100	MW-36-100-0423	N	LF	-	GW	4/4/2023	2.2	69	< 0.20 U	1000
MW-36-100	MW-904-Q223	FD	-	MW-36-100-0423	GW	4/4/2023	2.2	71	< 0.20 U	980
MW-39-040	MW-39-040-0423	N	LF	-	GW	4/6/2023	11	81	< 0.20 U	390
MW-39-050	MW-39-050-0423	N	LF	-	GW	4/6/2023	1.6	45	< 0.20 U	47
MW-39-060	MW-39-060-0423	N	LF	-	GW	4/6/2023	1.5	43	< 0.20 U	130
MW-39-070	MW-39-070-0423	N	LF	-	GW	4/6/2023	0.34	78	< 0.20 U	41
MW-39-080	MW-39-080-0423	N	LF	-	GW	4/6/2023	2.4	21	40	46
MW-39-100	MW-39-100-0423	N	LF	-	GW	4/6/2023	< 0.10 U	29	200	31
MW-44-115	MW-44-115-0423	N	LF	-	GW	4/4/2023	< 0.10 U	23	10	< 20 U
MW-44-125	MW-44-125-0423	N	LF	-	GW	4/4/2023	< 0.10 U	43	1.1	240
MW-44-125	MW-905-Q223	FD	-	MW-44-125-0423	GW	4/4/2023	< 0.10 U	42	< 1.0 U	260
MW-45-095A	MW-45-095A-0423	N	LF	-	GW	4/5/2023	< 0.10 U	31	1.3	250
MW-51	MW-51-0423	N	LF	-	GW	4/5/2023	1.9	67	0.77	370
MW-71-035	MW-71-035-0423	N	LF	-	GW	4/5/2023	2.1	42	1.2	360
MW-71-035	MW-903-Q223	FD	-	MW-71-035-0423	GW	4/5/2023	3.4	51	1.5	830
MW-76-039	MW-76-039-0423	N	LF	-	GW	4/3/2023	< 0.10 U	140	180	77
MW-76-156	MW-76-156-0423	N	LF	-	GW	4/3/2023	< 0.10 U	38	44	< 20 U
MW-76-181	MW-76-181-0423	N	LF	-	GW	4/3/2023	< 0.10 U	41	370	< 20 U
MW-76-218	MW-76-218-0423	N	LF	-	GW	4/3/2023	0.36	44	< 1.0 U	< 20 U
MW-77-046	MW-77-046-0423	N	LF	-	GW	4/3/2023	1.4	59	2.6	< 20 U
MW-77-102	MW-77-102-0423	N	LF	-	GW	4/3/2023	< 0.10 U	76	< 1.0 U	< 20 U
MW-77-158	MW-77-158-0423	N	LF	-	GW	4/3/2023	< 0.10 U	40	< 1.0 U	38
MW-77-187	MW-77-187-0423	N	LF	-	GW	4/3/2023	< 0.10 U	23	18	< 20 U
MW-78-070	MW-78-070-0423	N	LF	-	GW	4/5/2023	< 0.10 U	140	20	250
MW-78-142	MW-78-142-0423	N	LF	-	GW	4/5/2023	0.66	33	2000	180
MW-79-058	MW-79-058-0423	N	LF	-	GW	4/5/2023	< 0.10 U	180	160	250
MW-79-102	MW-79-102-0423	N	LF	-	GW	4/5/2023	< 0.10 U	62	46	140
MW-79-102	MW-906-Q223	FD	-	MW-79-102-0423	GW	4/5/2023	< 0.10 U	63	6.2	170
MW-80-057	MW-80-057-0423	N	LF	-	GW	4/5/2023	< 0.10 U	80	250	160
MW-80-082	MW-80-082-0423	N	LF	-	GW	4/5/2023	0.97	75	6.5	160
MW-81-043	MW-81-043-0423	N	LF	-	GW	4/4/2023	< 0.10 U	150	15	< 20 U
MW-81-098	MW-81-098-0423	N	LF	-	GW	4/4/2023	< 0.10 U	50	9.9	22
MW-82-046	MW-82-046-0423	N	LF	-	GW	4/4/2023	19	61	< 1.0 U	6500
MW-82-112	MW-82-112-0423	N	LF	-	GW	4/4/2023	< 0.10 U	64	< 1.0 U	100
MW-82-168	MW-82-168-0423	N	LF	-	GW	4/4/2023	< 0.10 U	36	< 0.20 U	87
MW-82-198	MW-82-198-0423	N	LF	-	GW	4/4/2023	< 0.10 U	38	0.24	25

Unvalidated PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, 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)	Sulfate by Method EPA 300.0 (mg/L)
MW-20-070	MW-20-070-0423	N	LF	-	GW	4/5/2023	4.4	17	--	320
MW-20-100	MW-20-100-0423	N	LF	-	GW	4/5/2023	2.2	8.5	--	540
MW-20-130	MW-20-130-0423	N	LF	-	GW	4/5/2023	8.7	5.3	--	1400
MW-21	MW-21-0423	N	LF	-	GW	4/5/2023	210	< 0.50 U	--	990
MW-26	MW-26-0423	N	LF	-	GW	4/5/2023	870	< 0.50 U	--	330
MW-30-050	MW-30-050-0423	N	LF	-	GW	4/6/2023	5.7	< 0.50 U	--	210
MW-31-060	MW-31-060-0423	N	LF	-	GW	4/4/2023	840	< 0.50 U	--	100
MW-31-135	MW-31-135-0423	N	LF	-	GW	4/4/2023	5.3	< 0.50 U	--	550
MW-34-080	MW-34-080-0423	N	LF	-	GW	4/5/2023	160	< 0.50 U	--	750
MW-36-090	MW-36-090-0423	N	LF	-	GW	4/4/2023	230	< 0.50 U	--	490
MW-36-100	MW-36-100-0423	N	LF	-	GW	4/4/2023	620	< 0.50 U	< 0.10 U	440
MW-36-100	MW-904-Q223	FD	-	MW-36-100-0423	GW	4/4/2023	650	< 0.50 U	< 0.10 U	490
MW-39-040	MW-39-040-0423	N	LF	-	GW	4/6/2023	100	< 0.25 U	--	120
MW-39-050	MW-39-050-0423	N	LF	-	GW	4/6/2023	210	< 0.25 U	--	200
MW-39-060	MW-39-060-0423	N	LF	-	GW	4/6/2023	250	< 0.25 U	--	230
MW-39-070	MW-39-070-0423	N	LF	-	GW	4/6/2023	25	< 0.50 U	--	410
MW-39-080	MW-39-080-0423	N	LF	-	GW	4/6/2023	350	< 0.50 U	--	720
MW-39-100	MW-39-100-0423	N	LF	-	GW	4/6/2023	8.3	< 0.50 U	--	1000
MW-44-115	MW-44-115-0423	N	LF	-	GW	4/4/2023	8.7	< 0.50 U	--	1000
MW-44-125	MW-44-125-0423	N	LF	-	GW	4/4/2023	440	< 0.50 U	< 0.10 U	1100
MW-44-125	MW-905-Q223	FD	-	MW-44-125-0423	GW	4/4/2023	440	< 0.50 U	< 0.10 U	1100
MW-45-095A	MW-45-095A-0423	N	LF	-	GW	4/5/2023	91	< 0.50 U	--	490
MW-51	MW-51-0423	N	LF	-	GW	4/5/2023	240	< 0.50 U	--	50
MW-71-035	MW-71-035-0423	N	LF	-	GW	4/5/2023	16	2.6	2.6	1000
MW-71-035	MW-903-Q223	FD	-	MW-71-035-0423	GW	4/5/2023	9.3	3.8	2.6	880
MW-76-039	MW-76-039-0423	N	LF	-	GW	4/3/2023	1.9	1.1	--	480
MW-76-156	MW-76-156-0423	N	LF	-	GW	4/3/2023	7.2	< 0.50 U	--	520
MW-76-181	MW-76-181-0423	N	LF	-	GW	4/3/2023	18	< 0.50 U	--	700
MW-76-218	MW-76-218-0423	N	LF	-	GW	4/3/2023	84	< 0.50 U	--	510
MW-77-046	MW-77-046-0423	N	LF	-	GW	4/3/2023	470	< 0.50 U	--	420
MW-77-102	MW-77-102-0423	N	LF	-	GW	4/3/2023	120	0.75	--	700
MW-77-158	MW-77-158-0423	N	LF	-	GW	4/3/2023	55	< 0.50 U	--	370
MW-77-187	MW-77-187-0423	N	LF	-	GW	4/3/2023	12	< 0.50 U	--	620
MW-78-070	MW-78-070-0423	N	LF	-	GW	4/5/2023	76	< 0.50 U	--	330
MW-78-142	MW-78-142-0423	N	LF	-	GW	4/5/2023	6.7	3.3	--	620
MW-79-058	MW-79-058-0423	N	LF	-	GW	4/5/2023	4.9	< 0.50 U	--	420
MW-79-102	MW-79-102-0423	N	LF	-	GW	4/5/2023	33	< 0.50 U	--	380
MW-79-102	MW-906-Q223	FD	-	MW-79-102-0423	GW	4/5/2023	350	< 0.50 U	--	370
MW-80-057	MW-80-057-0423	N	LF	-	GW	4/5/2023	3.5	3.4	--	440
MW-80-082	MW-80-082-0423	N	LF	-	GW	4/5/2023	380	< 0.50 U	--	360
MW-81-043	MW-81-043-0423	N	LF	-	GW	4/4/2023	31	< 0.50 U	--	460
MW-81-098	MW-81-098-0423	N	LF	-	GW	4/4/2023	80	0.52	--	740
MW-82-046	MW-82-046-0423	N	LF	-	GW	4/4/2023	320	< 0.50 U	--	1800
MW-82-112	MW-82-112-0423	N	LF	-	GW	4/4/2023	150	1.2	--	780
MW-82-168	MW-82-168-0423	N	LF	-	GW	4/4/2023	43	< 0.50 U	--	400
MW-82-198	MW-82-198-0423	N	LF	-	GW	4/4/2023	22	< 0.50 U	--	580

Unvalidated PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by Method SM 5310 B (mg/L)
MW-20-070	MW-20-070-0423	N	LF	-	GW	4/5/2023	1.2
MW-20-100	MW-20-100-0423	N	LF	-	GW	4/5/2023	1.9
MW-20-130	MW-20-130-0423	N	LF	-	GW	4/5/2023	4.4
MW-21	MW-21-0423	N	LF	-	GW	4/5/2023	4.9
MW-26	MW-26-0423	N	LF	-	GW	4/5/2023	2
MW-30-050	MW-30-050-0423	N	LF	-	GW	4/6/2023	2.5
MW-31-060	MW-31-060-0423	N	LF	-	GW	4/4/2023	3.6
MW-31-135	MW-31-135-0423	N	LF	-	GW	4/4/2023	1.1
MW-34-080	MW-34-080-0423	N	LF	-	GW	4/5/2023	1.7
MW-36-090	MW-36-090-0423	N	LF	-	GW	4/4/2023	< 1.0 U
MW-36-100	MW-36-100-0423	N	LF	-	GW	4/4/2023	2.3
MW-36-100	MW-904-Q223	FD	-	MW-36-100-0423	GW	4/4/2023	2.4
MW-39-040	MW-39-040-0423	N	LF	-	GW	4/6/2023	< 1.0 U
MW-39-050	MW-39-050-0423	N	LF	-	GW	4/6/2023	2.1
MW-39-060	MW-39-060-0423	N	LF	-	GW	4/6/2023	2.6
MW-39-070	MW-39-070-0423	N	LF	-	GW	4/6/2023	3.6
MW-39-080	MW-39-080-0423	N	LF	-	GW	4/6/2023	1.4
MW-39-100	MW-39-100-0423	N	LF	-	GW	4/6/2023	2.2
MW-44-115	MW-44-115-0423	N	LF	-	GW	4/4/2023	< 1.0 U
MW-44-125	MW-44-125-0423	N	LF	-	GW	4/4/2023	1.1
MW-44-125	MW-905-Q223	FD	-	MW-44-125-0423	GW	4/4/2023	< 1.0 U
MW-45-095A	MW-45-095A-0423	N	LF	-	GW	4/5/2023	1.2
MW-51	MW-51-0423	N	LF	-	GW	4/5/2023	14
MW-71-035	MW-71-035-0423	N	LF	-	GW	4/5/2023	3.6
MW-71-035	MW-903-Q223	FD	-	MW-71-035-0423	GW	4/5/2023	4.5
MW-76-039	MW-76-039-0423	N	LF	-	GW	4/3/2023	1.2
MW-76-156	MW-76-156-0423	N	LF	-	GW	4/3/2023	1.2
MW-76-181	MW-76-181-0423	N	LF	-	GW	4/3/2023	1.4
MW-76-218	MW-76-218-0423	N	LF	-	GW	4/3/2023	1.7
MW-77-046	MW-77-046-0423	N	LF	-	GW	4/3/2023	--
MW-77-102	MW-77-102-0423	N	LF	-	GW	4/3/2023	--
MW-77-158	MW-77-158-0423	N	LF	-	GW	4/3/2023	1.3
MW-77-187	MW-77-187-0423	N	LF	-	GW	4/3/2023	1.2
MW-78-070	MW-78-070-0423	N	LF	-	GW	4/5/2023	1.1
MW-78-142	MW-78-142-0423	N	LF	-	GW	4/5/2023	1.3
MW-79-058	MW-79-058-0423	N	LF	-	GW	4/5/2023	1.2
MW-79-102	MW-79-102-0423	N	LF	-	GW	4/5/2023	1.3
MW-79-102	MW-906-Q223	FD	-	MW-79-102-0423	GW	4/5/2023	1.1
MW-80-057	MW-80-057-0423	N	LF	-	GW	4/5/2023	1.1
MW-80-082	MW-80-082-0423	N	LF	-	GW	4/5/2023	1.1
MW-81-043	MW-81-043-0423	N	LF	-	GW	4/4/2023	< 1.0 U
MW-81-098	MW-81-098-0423	N	LF	-	GW	4/4/2023	1.2
MW-82-046	MW-82-046-0423	N	LF	-	GW	4/4/2023	14
MW-82-112	MW-82-112-0423	N	LF	-	GW	4/4/2023	1
MW-82-168	MW-82-168-0423	N	LF	-	GW	4/4/2023	1.2
MW-82-198	MW-82-198-0423	N	LF	-	GW	4/4/2023	< 1.0 U

Unvalidated PCM 2023-04 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, dissolved by Method SW 6010B (µg/L)
MW-82-198	MW-907-Q223	FD	-	MW-82-198-0423	GW	4/4/2023	< 0.10 U	39	0.24	22
TW-02D	TW-02D-0423	N	LF	-	GW	4/4/2023	2.5	16	19	< 20 U
TW-02S	TW-02S-0423	N	LF	-	GW	4/4/2023	< 0.10 U	240	44	< 20 U
TW-03D	TW-03D-0423	N	LF	-	GW	4/4/2023	1.9	21	42	< 20 U

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 µg/L = micrograms per liter
 3V = three volume
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

Unvalidated PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, 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)	Sulfate by Method EPA 300.0 (mg/L)
MW-82-198	MW-907-Q223	FD	-	MW-82-198-0423	GW	4/4/2023	23	< 0.50 U	--	580
TW-02D	TW-02D-0423	N	LF	-	GW	4/4/2023	55	< 0.50 U	--	500
TW-02S	TW-02S-0423	N	LF	-	GW	4/4/2023	< 0.50 U	< 0.50 U	--	470
TW-03D	TW-03D-0423	N	LF	-	GW	4/4/2023	32	< 0.50 U	--	530

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 µg/L = micrograms per liter
 3V = three volume
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

Unvalidated PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by Method SM 5310 B (mg/L)
MW-82-198	MW-907-Q223	FD	-	MW-82-198-0423	GW	4/4/2023	< 1.0 U
TW-02D	TW-02D-0423	N	LF	-	GW	4/4/2023	< 1.0 U
TW-02S	TW-02S-0423	N	LF	-	GW	4/4/2023	< 1.0 U
TW-03D	TW-03D-0423	N	LF	-	GW	4/4/2023	1

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 µg/L = micrograms per liter
 3V = three volume
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

Unvalidated PCM 2023-05 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)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron by Method SW 6010B (µg/L)
IRZ-09-100	IRZ-09-100-Q223	N	EP	-	GW	5/9/2023	--	--	14	--	23
IRZ-13D-210	IRZ-13D-210-Q223	N	EP	-	GW	5/9/2023	--	--	210	--	< 20 U
IRZ-13S-095	IRZ-13S-095-Q223	N	EP	-	GW	5/9/2023	--	--	60	--	180
IRZ-21-065	IRZ-21-065-Q223	N	EP	-	GW	6/16/2023	--	--	--	--	--
IRZ-21-157	IRZ-21-157-Q223	N	EP	-	GW	6/16/2023	--	--	--	--	--
IRZ-23-143	IRZ-23-143-Q223	N	EP	-	GW	5/9/2023	--	--	570	--	270
IRZ-25-100	IRZ-25-100-Q223	N	EP	-	GW	6/16/2023	--	--	--	--	--
IRZ-25-166	IRZ-25-166-Q223	N	EP	-	GW	6/16/2023	--	--	--	--	--
MW-20-070	MW-20-070-Q223	N	LF	-	GW	5/12/2023	1.4	26	290	290	--
MW-20-100	MW-20-100-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	61	930	1100	--
MW-20-130	MW-20-130-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	30	1300	1400	--
MW-20-130	MW-910-Q223	FD	-	MW-20-130-Q223	GW	5/12/2023	< 0.10 U	28	1200	1900	--
MW-21	MW-21-Q223	N	LF	-	GW	5/12/2023	8.5	28	< 0.20 U	1.7	--
MW-22	MW-22-Q223	N	LF	-	GW	5/23/2023	3.3	210	< 1.0 U	< 1.0 U	--
MW-26	MW-26-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	84	1.2	1.5	--
MW-27-020	MW-27-020-Q223	N	LF	-	GW	5/24/2023	0.56	98	< 0.20 U	< 1.0 U	--
MW-27-060	MW-27-060-Q223	N	LF	-	GW	5/24/2023	9.6	100	< 0.20 U	< 1.0 U	--
MW-27-060	MW-911-Q223	FD	-	MW-27-060-Q223	GW	5/24/2023	9.5	98	< 0.20 U	< 1.0 U	--
MW-27-085	MW-27-085-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	40	< 1.0 U	< 1.0 U	--
MW-28-025	MW-28-025-Q223	N	LF	-	GW	5/24/2023	0.71	65	< 0.20 U	< 1.0 U	--
MW-28-090	MW-28-090-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	30	< 0.20 U	< 1.0 U	--
MW-29	MW-29-Q223	N	LF	-	GW	5/23/2023	--	--	< 0.20 U	< 1.0 U	--
MW-30-030	MW-30-030-Q223	N	LF	-	GW	5/11/2023	< 0.50 U	79	< 1.0 U	< 5.0 U	--
MW-30-050	MW-30-050-Q223	N	LF	-	GW	5/11/2023	2.4	23	< 0.20 U	< 1.0 U	--
MW-31-060	MW-31-060-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	420	< 0.20 U	< 1.0 U	--
MW-31-135	MW-31-135-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	41	< 0.20 U	< 1.0 U	--
MW-32-020	MW-32-020-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	71	< 1.0 U	< 1.0 U	--
MW-32-020	MW-912-Q223	FD	-	MW-912-Q223	GW	5/23/2023	< 0.10 U	66	< 1.0 U	< 1.0 U	--
MW-32-035	MW-32-035-Q223	N	LF	-	GW	5/23/2023	16	130	< 1.0 U	< 1.0 U	--
MW-33-040	MW-33-040-Q223	N	LF	-	GW	5/24/2023	--	--	< 1.0 U	< 1.0 U	--
MW-33-090	MW-33-090-Q223	N	LF	-	GW	5/24/2023	--	--	5	5.3	--
MW-33-150	MW-33-150-Q223	N	LF	-	GW	5/24/2023	--	--	8.1	8.4	--
MW-33-210	MW-33-210-Q223	N	LF	-	GW	5/24/2023	--	--	12	12	--
MW-34-055	MW-34-055-Q223	N	LF	-	GW	5/10/2023	4.7	39	< 0.20 U	< 1.0 U	--
MW-34-080	MW-34-080-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	42	< 0.20 U	< 1.0 U	--
MW-34-080	MW-913-Q223	FD	-	MW-34-080-Q223	GW	5/10/2023	< 0.10 U	42	< 0.20 U	< 1.0 U	--
MW-34-100	MW-34-100-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	21	< 1.0 U	< 1.0 U	--
MW-35-060	MW-35-060-Q223	N	LF	-	GW	5/23/2023	--	--	20	20	--
MW-35-135	MW-35-135-Q223	N	LF	-	GW	5/23/2023	--	--	24	24	--
MW-36-020	MW-36-020-Q223	N	LF	-	GW	5/23/2023	0.79	100	< 0.20 U	< 1.0 U	--
MW-36-040	MW-36-040-Q223	N	LF	-	GW	5/23/2023	6.7	76	< 0.20 U	< 1.0 U	--
MW-36-050	MW-36-050-Q223	N	LF	-	GW	5/23/2023	4.8	35	< 0.20 U	< 1.0 U	--
MW-36-070	MW-36-070-Q223	N	LF	-	GW	5/23/2023	2	38	< 0.20 U	--	--
MW-36-090	MW-36-090-Q223	N	LF	-	GW	5/10/2023	0.54	76	< 0.20 U	< 1.0 U	--
MW-36-100	MW-36-100-Q223	N	LF	-	GW	5/10/2023	3.3	81	< 0.20 U	< 1.0 U	--
MW-39-040	MW-39-040-Q223	N	LF	-	GW	5/10/2023	15	69	< 0.20 U	< 1.0 U	--

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Iron, dissolved by Method SW 6010B (µg/L)	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)
IRZ-09-100	IRZ-09-100-Q223	N	EP	-	GW	5/9/2023	< 20 U	0.58	--	1.1
IRZ-13D-210	IRZ-13D-210-Q223	N	EP	-	GW	5/9/2023	< 20 U	3.5	--	< 0.50 U
IRZ-13S-095	IRZ-13S-095-Q223	N	EP	-	GW	5/9/2023	< 20 U	3	--	0.86
IRZ-21-065	IRZ-21-065-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
IRZ-21-157	IRZ-21-157-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
IRZ-23-143	IRZ-23-143-Q223	N	EP	-	GW	5/9/2023	< 20 U	< 0.50 U	--	2.5
IRZ-25-100	IRZ-25-100-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
IRZ-25-166	IRZ-25-166-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
MW-20-070	MW-20-070-Q223	N	LF	-	GW	5/12/2023	< 20 U	1	20	14
MW-20-100	MW-20-100-Q223	N	LF	-	GW	5/12/2023	< 20 U	< 0.50 U	4.7	5.2
MW-20-130	MW-20-130-Q223	N	LF	-	GW	5/12/2023	21	3.4	5.6	6.3
MW-20-130	MW-910-Q223	FD	-	MW-20-130-Q223	GW	5/12/2023	< 20 U	2.8	7.6	7
MW-21	MW-21-Q223	N	LF	-	GW	5/12/2023	240	150	82	< 0.50 U
MW-22	MW-22-Q223	N	LF	-	GW	5/23/2023	13000	2500	--	< 0.50 U
MW-26	MW-26-Q223	N	LF	-	GW	5/12/2023	< 20 U	1800	7.4	< 0.50 U
MW-27-020	MW-27-020-Q223	N	LF	-	GW	5/24/2023	< 20 U	26	--	1.3
MW-27-060	MW-27-060-Q223	N	LF	-	GW	5/24/2023	470	290	--	< 0.25 U
MW-27-060	MW-911-Q223	FD	-	MW-27-060-Q223	GW	5/24/2023	500	270	--	< 0.25 U
MW-27-085	MW-27-085-Q223	N	LF	-	GW	5/24/2023	210	220	--	< 0.25 U
MW-28-025	MW-28-025-Q223	N	LF	-	GW	5/24/2023	< 20 U	16	--	< 0.10 U
MW-28-090	MW-28-090-Q223	N	LF	-	GW	5/24/2023	1100	430	--	< 0.25 U
MW-29	MW-29-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-30-030	MW-30-030-Q223	N	LF	-	GW	5/11/2023	310	66	--	< 0.25 U
MW-30-050	MW-30-050-Q223	N	LF	-	GW	5/11/2023	76	380	--	< 0.50 U
MW-31-060	MW-31-060-Q223	N	LF	-	GW	5/12/2023	65	1900	1.4	< 0.50 U
MW-31-135	MW-31-135-Q223	N	LF	-	GW	5/12/2023	42	22	31	< 0.50 U
MW-32-020	MW-32-020-Q223	N	LF	-	GW	5/23/2023	5700	290	--	< 0.50 U
MW-32-020	MW-912-Q223	FD	-	MW-912-Q223	GW	5/23/2023	5800	240	--	< 0.50 U
MW-32-035	MW-32-035-Q223	N	LF	-	GW	5/23/2023	9800	680	--	< 0.50 U
MW-33-040	MW-33-040-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-33-090	MW-33-090-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-33-150	MW-33-150-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-33-210	MW-33-210-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-34-055	MW-34-055-Q223	N	LF	-	GW	5/10/2023	120	130	--	< 0.25 U
MW-34-080	MW-34-080-Q223	N	LF	-	GW	5/10/2023	960	180	--	< 0.50 U
MW-34-080	MW-913-Q223	FD	-	MW-34-080-Q223	GW	5/10/2023	920	180	--	< 0.50 U
MW-34-100	MW-34-100-Q223	N	LF	-	GW	5/10/2023	25	75	--	< 0.25 U
MW-35-060	MW-35-060-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-35-135	MW-35-135-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-36-020	MW-36-020-Q223	N	LF	-	GW	5/23/2023	880	240	--	< 0.10 U
MW-36-040	MW-36-040-Q223	N	LF	-	GW	5/23/2023	630	220	--	< 0.10 U
MW-36-050	MW-36-050-Q223	N	LF	-	GW	5/23/2023	210	250	--	< 0.10 U
MW-36-070	MW-36-070-Q223	N	LF	-	GW	5/23/2023	130	270	--	< 0.10 U
MW-36-090	MW-36-090-Q223	N	LF	-	GW	5/10/2023	48	190	--	< 0.50 U
MW-36-100	MW-36-100-Q223	N	LF	-	GW	5/10/2023	1100	750	--	< 0.50 U
MW-39-040	MW-39-040-Q223	N	LF	-	GW	5/10/2023	170	92	--	< 0.25 U

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
IRZ-09-100	IRZ-09-100-Q223	N	EP	-	GW	5/9/2023	--	--	500	< 1.0 U
IRZ-13D-210	IRZ-13D-210-Q223	N	EP	-	GW	5/9/2023	--	--	610	< 1.0 U
IRZ-13S-095	IRZ-13S-095-Q223	N	EP	-	GW	5/9/2023	--	--	430	< 1.0 U
IRZ-21-065	IRZ-21-065-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
IRZ-21-157	IRZ-21-157-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
IRZ-23-143	IRZ-23-143-Q223	N	EP	-	GW	5/9/2023	--	--	490	1.1
IRZ-25-100	IRZ-25-100-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
IRZ-25-166	IRZ-25-166-Q223	N	EP	-	GW	6/16/2023	--	--	--	--
MW-20-070	MW-20-070-Q223	N	LF	-	GW	5/12/2023	--	11	290	1.2
MW-20-100	MW-20-100-Q223	N	LF	-	GW	5/12/2023	--	14	760	4.4
MW-20-130	MW-20-130-Q223	N	LF	-	GW	5/12/2023	--	17	970	3.1
MW-20-130	MW-910-Q223	FD	-	MW-20-130-Q223	GW	5/12/2023	--	24	960	2.9
MW-21	MW-21-Q223	N	LF	-	GW	5/12/2023	--	0.62	1100	3.4
MW-22	MW-22-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	--	--	1
MW-26	MW-26-Q223	N	LF	-	GW	5/12/2023	--	< 0.50 U	340	2
MW-27-020	MW-27-020-Q223	N	LF	-	GW	5/24/2023	--	--	--	1.4
MW-27-060	MW-27-060-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	--	--	< 1.0 U
MW-27-060	MW-911-Q223	FD	-	MW-27-060-Q223	GW	5/24/2023	< 0.10 U	--	--	< 1.0 U
MW-27-085	MW-27-085-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	--	--	< 1.0 U
MW-28-025	MW-28-025-Q223	N	LF	-	GW	5/24/2023	--	--	--	< 1.0 U
MW-28-090	MW-28-090-Q223	N	LF	-	GW	5/24/2023	--	--	--	< 1.0 U
MW-29	MW-29-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-30-030	MW-30-030-Q223	N	LF	-	GW	5/11/2023	--	--	--	12
MW-30-050	MW-30-050-Q223	N	LF	-	GW	5/11/2023	--	--	210	2.8
MW-31-060	MW-31-060-Q223	N	LF	-	GW	5/12/2023	--	< 0.50 U	160	3.4
MW-31-135	MW-31-135-Q223	N	LF	-	GW	5/12/2023	--	< 0.50 U	540	1
MW-32-020	MW-32-020-Q223	N	LF	-	GW	5/23/2023	--	--	--	50
MW-32-020	MW-912-Q223	FD	-	MW-912-Q223	GW	5/23/2023	--	--	--	47
MW-32-035	MW-32-035-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	--	--	2.7
MW-33-040	MW-33-040-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-33-090	MW-33-090-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-33-150	MW-33-150-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-33-210	MW-33-210-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-34-055	MW-34-055-Q223	N	LF	-	GW	5/10/2023	< 0.10	--	--	2.3
MW-34-080	MW-34-080-Q223	N	LF	-	GW	5/10/2023	--	--	650	2.2
MW-34-080	MW-913-Q223	FD	-	MW-34-080-Q223	GW	5/10/2023	--	--	640	1.8
MW-34-100	MW-34-100-Q223	N	LF	-	GW	5/10/2023	< 0.10	--	--	2.1
MW-35-060	MW-35-060-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-35-135	MW-35-135-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-36-020	MW-36-020-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-36-040	MW-36-040-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	--	--	< 1.0 U
MW-36-050	MW-36-050-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-36-070	MW-36-070-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-36-090	MW-36-090-Q223	N	LF	-	GW	5/10/2023	--	--	470	1.5
MW-36-100	MW-36-100-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	--	470	1.8
MW-39-040	MW-39-040-Q223	N	LF	-	GW	5/10/2023	--	--	120	6.5

Unvalidated PCM 2023-05 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)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron by Method SW 6010B (µg/L)
MW-39-050	MW-39-050-Q223	N	LF	-	GW	5/10/2023	2	47	< 0.20 U	< 1.0 U	--
MW-39-060	MW-39-060-Q223	N	LF	-	GW	5/10/2023	2.3	34	< 0.20 U	< 1.0 U	--
MW-39-070	MW-39-070-Q223	N	LF	-	GW	5/10/2023	1	75	< 0.20 U	< 1.0 U	--
MW-39-080	MW-39-080-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	30	26	33	--
MW-39-080	MW-914-Q223	FD	-	MW-39-080-Q223	GW	5/10/2023	< 0.10 U	42	< 0.20 U	2.1	--
MW-39-100	MW-39-100-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	38	760	1500	--
MW-42-030	MW-42-030-Q223	N	LF	-	GW	5/22/2023	2.1	97	< 0.20 U	< 1.0 U	--
MW-42-055	MW-42-055-Q223	N	LF	-	GW	5/22/2023	11	180	< 0.20 U	< 1.0 U	--
MW-42-065	MW-42-065-Q223	N	LF	-	GW	5/22/2023	< 0.10 U	110	< 0.20 U	< 1.0 U	--
MW-43-025	MW-43-025-Q223	N	LF	-	GW	5/23/2023	21	90	< 0.20 U	< 1.0 U	--
MW-43-025	MW-915-Q223	FD	-	MW-915-Q223	GW	5/23/2023	21	91	< 0.20 U	< 1.0 U	--
MW-43-075	MW-43-075-Q223	N	LF	-	GW	5/23/2023	7.1	60	< 1.0 U	< 1.0 U	--
MW-43-090	MW-43-090-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	62	< 1.0 U	< 1.0 U	--
MW-44-070	MW-44-070-Q223	N	-	-	GW	5/24/2023	1.7	47	< 0.20 U	< 1.0 U	--
MW-44-115	MW-44-115-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	24	12	12	--
MW-44-125	MW-44-125-Q223	N	-	-	GW	5/24/2023	< 0.10 U	46	2	3.6	--
MW-45-095A	MW-45-095A-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	29	0.99	2.4	--
MW-46-175	MW-46-175-Q223	N	LF	-	GW	5/25/2023	< 0.10 U	25	7.7	7.2	--
MW-46-205	MW-46-205-Q223	N	LF	-	GW	5/25/2023	< 0.10 U	30	1.3	1.5	--
MW-47-055	MW-47-055-Q223	N	LF	-	GW	5/24/2023	--	--	16	17	--
MW-47-115	MW-47-115-Q223	N	LF	-	GW	5/24/2023	--	--	21	23	--
MW-47-115	MW-916-Q223	FD	-	MW-47-115-Q223	GW	5/24/2023	--	--	21	22	--
MW-49-135	MW-49-135-Q223	N	LF	-	GW	5/23/2023	--	--	3	3	--
MW-49-275	MW-49-275-Q223	N	LF	-	GW	5/23/2023	--	--	< 1.0 U	< 1.0 U	--
MW-49-365	MW-49-365-Q223	N	LF	-	GW	5/23/2023	--	--	< 1.0 U	< 1.0 U	--
MW-51	MW-51-Q223	N	LF	-	GW	5/12/2023	1.7	60	0.72	10	--
MW-52D	MW-52D-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	39	< 1.0 U	< 1.0 U	--
MW-52M	MW-52M-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	61	< 1.0 U	< 1.0 U	--
MW-52S	MW-52S-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	520	< 1.0 U	< 1.0 U	--
MW-53D	MW-53D-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	37	< 1.0 U	< 1.0 U	--
MW-53M	MW-53M-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	66	< 1.0 U	< 1.0 U	--
MW-53S	MW-53S-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	190	< 0.20 U	< 1.0 U	--
MW-71-035	MW-71-035-Q223	N	LF	-	GW	5/10/2023	1.4	27	0.44	1.1	--
MW-71-035	MW-908-Q223	FD	-	MW-71-035-Q223	GW	5/10/2023	0.59	28	0.54	1.4	--
MW-75-033	MW-75-033-Q223	N	LF	-	GW	5/15/2023	--	--	32	34	--
MW-75-117	MW-75-117-Q223	N	LF	-	GW	5/15/2023	--	--	2.2	2.4	--
MW-75-202	MW-75-202-Q223	N	LF	-	GW	5/15/2023	--	--	< 1.0 U	< 1.0 U	--
MW-75-267	MW-75-267-Q223	N	LF	-	GW	5/15/2023	--	--	< 1.0 U	< 1.0 U	--
MW-75-337	MW-75-337-Q223	N	LF	-	GW	5/15/2023	--	--	< 1.0 U	< 1.0 U	--
MW-76-039	MW-76-039-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	130	150	150	--
MW-76-156	MW-76-156-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	30	34	35	--
MW-76-181	MW-76-181-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	43	320	340	--
MW-76-218	MW-76-218-Q223	N	LF	-	GW	5/8/2023	1.9	43	< 0.20 U	< 1.0 U	--
MW-77-046	MW-77-046-Q223	N	LF	-	GW	5/8/2023	1.8	77	0.56	< 1.0 U	--
MW-77-102	MW-77-102-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	62	< 1.0 U	< 1.0 U	--
MW-77-158	MW-77-158-Q223	N	LF	-	GW	5/8/2023	< 0.10 U < 0.10 U	43	< 1.0 U	< 1.0 U	--

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Iron, dissolved by Method SW 6010B (µg/L)	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)
MW-39-050	MW-39-050-Q223	N	LF	-	GW	5/10/2023	< 20 U	180	--	< 0.25 U
MW-39-060	MW-39-060-Q223	N	LF	-	GW	5/10/2023	< 20 U	40	--	< 0.25 U
MW-39-070	MW-39-070-Q223	N	LF	-	GW	5/10/2023	30	200	--	< 0.50 U
MW-39-080	MW-39-080-Q223	N	LF	-	GW	5/10/2023	< 20 U	4.4	--	< 0.50 U
MW-39-080	MW-914-Q223	FD	-	MW-39-080-Q223	GW	5/10/2023	23	15	--	< 0.50 U
MW-39-100	MW-39-100-Q223	N	LF	-	GW	5/10/2023	< 20 U	49	--	0.54
MW-42-030	MW-42-030-Q223	N	LF	-	GW	5/22/2023	360	77	--	< 0.25 U
MW-42-055	MW-42-055-Q223	N	LF	-	GW	5/22/2023	220	250	--	< 0.25 U
MW-42-065	MW-42-065-Q223	N	LF	-	GW	5/22/2023	39	2100	--	5
MW-43-025	MW-43-025-Q223	N	LF	-	GW	5/23/2023	4300	440	--	< 0.50 U
MW-43-025	MW-915-Q223	FD	-	MW-915-Q223	GW	5/23/2023	4400	440	--	< 0.50 U
MW-43-075	MW-43-075-Q223	N	LF	-	GW	5/23/2023	3200	480	--	< 0.50 U
MW-43-090	MW-43-090-Q223	N	LF	-	GW	5/23/2023	1300	650	--	< 0.50 U
MW-44-070	MW-44-070-Q223	N	-	-	GW	5/24/2023	590	360	--	< 0.10 U
MW-44-115	MW-44-115-Q223	N	LF	-	GW	5/8/2023	< 20 U	55	--	< 0.50 U
MW-44-125	MW-44-125-Q223	N	-	-	GW	5/24/2023	110	430	--	< 0.50 U
MW-45-095A	MW-45-095A-Q223	N	LF	-	GW	5/10/2023	< 20 U	57	--	< 0.50 U
MW-46-175	MW-46-175-Q223	N	LF	-	GW	5/25/2023	< 20 U	6.6	--	0.58
MW-46-205	MW-46-205-Q223	N	LF	-	GW	5/25/2023	< 20 U	22	--	< 0.50 U
MW-47-055	MW-47-055-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-47-115	MW-47-115-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-47-115	MW-916-Q223	FD	-	MW-47-115-Q223	GW	5/24/2023	--	--	--	--
MW-49-135	MW-49-135-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-49-275	MW-49-275-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-49-365	MW-49-365-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-51	MW-51-Q223	N	LF	-	GW	5/12/2023	230	200	5	< 0.50 U
MW-52D	MW-52D-Q223	N	LF	-	GW	5/23/2023	580	240	--	< 0.50 U
MW-52M	MW-52M-Q223	N	LF	-	GW	5/23/2023	1000	230	--	< 0.50 U
MW-52S	MW-52S-Q223	N	LF	-	GW	5/23/2023	22000	1000	--	< 0.50 U
MW-53D	MW-53D-Q223	N	LF	-	GW	5/23/2023	230	770	--	< 0.50 U
MW-53M	MW-53M-Q223	N	LF	-	GW	5/23/2023	280	260	--	< 0.50 U
MW-53S	MW-53S-Q223	N	LF	-	GW	5/23/2023	4700	1000	--	< 0.50 U
MW-71-035	MW-71-035-Q223	N	LF	-	GW	5/10/2023	< 20 U	16	42	1.7
MW-71-035	MW-908-Q223	FD	-	MW-71-035-Q223	GW	5/10/2023	34	14	38	1.9
MW-75-033	MW-75-033-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-117	MW-75-117-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-202	MW-75-202-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-267	MW-75-267-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-337	MW-75-337-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-76-039	MW-76-039-Q223	N	LF	-	GW	5/8/2023	< 20 U	35	16	1.3
MW-76-156	MW-76-156-Q223	N	LF	-	GW	5/8/2023	< 20 U	13	33	< 0.50 U
MW-76-181	MW-76-181-Q223	N	LF	-	GW	5/8/2023	< 20 U	26	48	< 0.50 U
MW-76-218	MW-76-218-Q223	N	LF	-	GW	5/8/2023	< 20 U	120	77	< 0.50 U
MW-77-046	MW-77-046-Q223	N	LF	-	GW	5/8/2023	< 20 U	580	--	< 0.50 U
MW-77-102	MW-77-102-Q223	N	LF	-	GW	5/8/2023	< 20 U	110	--	< 0.50 U
MW-77-158	MW-77-158-Q223	N	LF	-	GW	5/8/2023	46	63	--	< 0.50 U

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-39-050	MW-39-050-Q223	N	LF	-	GW	5/10/2023	--	--	190	2.1
MW-39-060	MW-39-060-Q223	N	LF	-	GW	5/10/2023	--	--	200	1.9
MW-39-070	MW-39-070-Q223	N	LF	-	GW	5/10/2023	--	--	280	2.1
MW-39-080	MW-39-080-Q223	N	LF	-	GW	5/10/2023	--	--	660	1.9
MW-39-080	MW-914-Q223	FD	-	MW-39-080-Q223	GW	5/10/2023	--	--	610	2.3
MW-39-100	MW-39-100-Q223	N	LF	-	GW	5/10/2023	--	--	1200	1.9
MW-42-030	MW-42-030-Q223	N	LF	-	GW	5/22/2023	< 0.10 U	--	--	--
MW-42-055	MW-42-055-Q223	N	LF	-	GW	5/22/2023	--	--	--	--
MW-42-065	MW-42-065-Q223	N	LF	-	GW	5/22/2023	--	--	--	--
MW-43-025	MW-43-025-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-43-025	MW-915-Q223	FD	-	MW-915-Q223	GW	5/23/2023	--	--	--	< 1.0 U
MW-43-075	MW-43-075-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-43-090	MW-43-090-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-44-070	MW-44-070-Q223	N	-	-	GW	5/24/2023	< 0.10 U	--	--	< 1.0 U
MW-44-115	MW-44-115-Q223	N	LF	-	GW	5/8/2023	--	--	1000	1.5
MW-44-125	MW-44-125-Q223	N	-	-	GW	5/24/2023	< 0.10 U	--	990	< 1.0 U
MW-45-095A	MW-45-095A-Q223	N	LF	-	GW	5/10/2023	--	--	490	1.2
MW-46-175	MW-46-175-Q223	N	LF	-	GW	5/25/2023	1.1	--	--	< 1.0 U
MW-46-205	MW-46-205-Q223	N	LF	-	GW	5/25/2023	--	--	--	< 1.0 U
MW-47-055	MW-47-055-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-47-115	MW-47-115-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-47-115	MW-916-Q223	FD	-	MW-47-115-Q223	GW	5/24/2023	--	--	--	--
MW-49-135	MW-49-135-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-49-275	MW-49-275-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-49-365	MW-49-365-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-51	MW-51-Q223	N	LF	-	GW	5/12/2023	--	< 0.50 U	44	13
MW-52D	MW-52D-Q223	N	LF	-	GW	5/23/2023	--	--	--	3.8
MW-52M	MW-52M-Q223	N	LF	-	GW	5/23/2023	--	--	--	4.4
MW-52S	MW-52S-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-53D	MW-53D-Q223	N	LF	-	GW	5/23/2023	--	--	--	1.1
MW-53M	MW-53M-Q223	N	LF	-	GW	5/23/2023	--	--	--	< 1.0 U
MW-53S	MW-53S-Q223	N	LF	-	GW	5/23/2023	--	--	--	1.1
MW-71-035	MW-71-035-Q223	N	LF	-	GW	5/10/2023	2.4	3.5	570	3.2
MW-71-035	MW-908-Q223	FD	-	MW-71-035-Q223	GW	5/10/2023	2.4	4	730	3.1
MW-75-033	MW-75-033-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-117	MW-75-117-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-202	MW-75-202-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-267	MW-75-267-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-75-337	MW-75-337-Q223	N	LF	-	GW	5/15/2023	--	--	--	--
MW-76-039	MW-76-039-Q223	N	LF	-	GW	5/8/2023	--	2.4	410	1.6
MW-76-156	MW-76-156-Q223	N	LF	-	GW	5/8/2023	--	< 0.50 U	530	1.6
MW-76-181	MW-76-181-Q223	N	LF	-	GW	5/8/2023	--	0.7	670	1.4
MW-76-218	MW-76-218-Q223	N	LF	-	GW	5/8/2023	--	< 0.50 U	510	2.3
MW-77-046	MW-77-046-Q223	N	LF	-	GW	5/8/2023	--	--	350	< 1.0 U
MW-77-102	MW-77-102-Q223	N	LF	-	GW	5/8/2023	--	--	690	1.9
MW-77-158	MW-77-158-Q223	N	LF	-	GW	5/8/2023	--	--	280	1.5

Unvalidated PCM 2023-05 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)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron by Method SW 6010B (µg/L)
MW-77-187	MW-77-187-Q223	N	LF	-	GW	5/8/2023	2.8	24	< 0.20 U	< 1.0 U	--
MW-78-070	MW-78-070-Q223	N	LF	-	GW	5/11/2023	< 0.10 U	140	92	81	--
MW-78-142	MW-78-142-Q223	N	LF	-	GW	5/11/2023	0.66	26	1300	1300	--
MW-78-142	MW-917-Q223	FD	-	MW-78-142-Q223	GW	5/11/2023	0.75	27	1300	1200	--
MW-79-058	MW-79-058-Q223	N	LF	-	GW	5/11/2023	< 0.10 U	170	120	110	--
MW-79-102	MW-79-102-Q223	N	LF	-	GW	5/11/2023	0.63	39	0.68	18	--
MW-80-057	MW-80-057-Q223	N	LF	-	GW	5/11/2023	< 0.10 U	87	210	210	--
MW-80-082	MW-80-082-Q223	N	LF	-	GW	5/11/2023	1	58	5.4	5.7	--
MW-81-043	MW-81-043-Q223	N	LF	-	GW	5/10/2023	2.1	180	2.8	4.7	--
MW-81-098	MW-81-098-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	61	5.4	5.4	--
MW-82-046	MW-82-046-Q223	N	LF	-	GW	5/10/2023	30	69	< 1.0 U	1.4	--
MW-82-112	MW-82-112-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	56	< 1.0 U	< 1.0 U	--
MW-82-168	MW-82-168-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	47	< 1.0 U	< 1.0 U	--
MW-82-198	MW-82-198-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	46	< 0.20 U	< 1.0 U	--
MW-86-030	MW-86-030-Q223	N	LF	-	GW	5/24/2023	7.3	130	< 0.20 U	< 1.0 U	--
MW-86-066	MW-86-066-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	75	< 0.20 U	< 1.0 U	--
MW-86-120	MW-86-120-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	40	< 1.0 U	< 1.0 U	--
MW-86-140	MW-86-140-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	76	< 1.0 U	< 1.0 U	--
MW-86-140	MW-918-Q223	FD	-	MW-86-140-Q223	GW	5/24/2023	< 0.10 U	71	< 1.0 U	< 1.0 U	--
MW-90-031	MW-90-031-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	210	< 1.0 U	< 1.0 U	--
MW-96-045	MW-96-045-Q223	N	LF	-	GW	5/23/2023	--	--	< 0.20 U	< 1.0 U	--
MW-96-217	MW-96-217-Q223	N	LF	-	GW	5/23/2023	--	--	< 1.0 U	< 1.0 U	--
MW-97-042	MW-97-042-Q223	N	LF	-	GW	5/24/2023	--	--	20	23	--
MW-97-202	MW-97-202-Q223	N	LF	-	GW	5/24/2023	--	--	240	230	--
PT5D	PT5D-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	34	110	110	--

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Iron, dissolved by Method SW 6010B (µg/L)	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)
MW-77-187	MW-77-187-Q223	N	LF	-	GW	5/8/2023	23	35	--	< 0.50 U
MW-78-070	MW-78-070-Q223	N	LF	-	GW	5/11/2023	28	87	4.6	0.52
MW-78-142	MW-78-142-Q223	N	LF	-	GW	5/11/2023	< 20 U	2.5	18	1.6
MW-78-142	MW-917-Q223	FD	-	MW-78-142-Q223	GW	5/11/2023	< 20 U	2.6	19	1.6
MW-79-058	MW-79-058-Q223	N	LF	-	GW	5/11/2023	< 20 U	1.9	7.3	< 0.50 U
MW-79-102	MW-79-102-Q223	N	LF	-	GW	5/11/2023	37	46	29	< 0.50 U
MW-80-057	MW-80-057-Q223	N	LF	-	GW	5/11/2023	< 20 U	13	17	1.5
MW-80-082	MW-80-082-Q223	N	LF	-	GW	5/11/2023	< 20 U	300	35	< 0.50 U
MW-81-043	MW-81-043-Q223	N	LF	-	GW	5/10/2023	100	96	--	< 0.50 U
MW-81-098	MW-81-098-Q223	N	LF	-	GW	5/10/2023	66	120	--	0.53
MW-82-046	MW-82-046-Q223	N	LF	-	GW	5/10/2023	7400	420	--	< 0.50 U
MW-82-112	MW-82-112-Q223	N	LF	-	GW	5/10/2023	43	140	--	< 0.50 U
MW-82-168	MW-82-168-Q223	N	LF	-	GW	5/10/2023	67	55	--	< 0.50 U
MW-82-198	MW-82-198-Q223	N	LF	-	GW	5/10/2023	< 20 U	57	--	< 0.50 U
MW-86-030	MW-86-030-Q223	N	LF	-	GW	5/24/2023	540	250	--	< 0.10 U
MW-86-066	MW-86-066-Q223	N	LF	-	GW	5/24/2023	< 20 U	530	--	< 0.25 U
MW-86-120	MW-86-120-Q223	N	LF	-	GW	5/24/2023	< 20 U	360	--	0.65
MW-86-140	MW-86-140-Q223	N	LF	-	GW	5/24/2023	410	1400	--	< 0.50 U
MW-86-140	MW-918-Q223	FD	-	MW-86-140-Q223	GW	5/24/2023	420	1300	--	< 0.50 U
MW-90-031	MW-90-031-Q223	N	LF	-	GW	5/23/2023	13000	570	--	< 0.50 U
MW-96-045	MW-96-045-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-96-217	MW-96-217-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-97-042	MW-97-042-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-97-202	MW-97-202-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
PT5D	PT5D-Q223	N	LF	-	GW	5/8/2023	< 20 U	28	--	0.91

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-77-187	MW-77-187-Q223	N	LF	-	GW	5/8/2023	--	--	530	1.3
MW-78-070	MW-78-070-Q223	N	LF	-	GW	5/11/2023	--	< 0.50 U	400	< 1.0 U
MW-78-142	MW-78-142-Q223	N	LF	-	GW	5/11/2023	--	12	540	< 1.0 U
MW-78-142	MW-917-Q223	FD	-	MW-78-142-Q223	GW	5/11/2023	--	12	540	2.7
MW-79-058	MW-79-058-Q223	N	LF	-	GW	5/11/2023	--	0.67	420	2.1
MW-79-102	MW-79-102-Q223	N	LF	-	GW	5/11/2023	--	0.89	700	4.7
MW-80-057	MW-80-057-Q223	N	LF	-	GW	5/11/2023	--	5.2	440	1.9
MW-80-082	MW-80-082-Q223	N	LF	-	GW	5/11/2023	--	< 0.50 U	370	1.5
MW-81-043	MW-81-043-Q223	N	LF	-	GW	5/10/2023	--	--	370	< 1.0 U
MW-81-098	MW-81-098-Q223	N	LF	-	GW	5/10/2023	--	--	720	< 1.0 U
MW-82-046	MW-82-046-Q223	N	LF	-	GW	5/10/2023	--	--	1600	16
MW-82-112	MW-82-112-Q223	N	LF	-	GW	5/10/2023	--	--	670	1
MW-82-168	MW-82-168-Q223	N	LF	-	GW	5/10/2023	--	--	320	1
MW-82-198	MW-82-198-Q223	N	LF	-	GW	5/10/2023	--	--	520	< 1.0 U
MW-86-030	MW-86-030-Q223	N	LF	-	GW	5/24/2023	--	--	--	1
MW-86-066	MW-86-066-Q223	N	LF	-	GW	5/24/2023	--	--	--	< 1.0 U
MW-86-120	MW-86-120-Q223	N	LF	-	GW	5/24/2023	--	--	--	< 1.0 U
MW-86-140	MW-86-140-Q223	N	LF	-	GW	5/24/2023	--	--	--	< 1.0 U
MW-86-140	MW-918-Q223	FD	-	MW-86-140-Q223	GW	5/24/2023	--	--	--	1.4
MW-90-031	MW-90-031-Q223	N	LF	-	GW	5/23/2023	< 0.10 U	--	--	6.3
MW-96-045	MW-96-045-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-96-217	MW-96-217-Q223	N	LF	-	GW	5/23/2023	--	--	--	--
MW-97-042	MW-97-042-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
MW-97-202	MW-97-202-Q223	N	LF	-	GW	5/24/2023	--	--	--	--
PT5D	PT5D-Q223	N	LF	-	GW	5/8/2023	--	--	--	< 1.0 U

Unvalidated PCM 2023-05 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)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron by Method SW 6010B (µg/L)
PT5M	PT5M-Q223	N	LF	-	GW	5/24/2023	0.74	61	< 0.20 U	< 1.0 U	--
PT5S	PT5S-Q223	N	LF	-	GW	5/24/2023	10	120	< 0.20 U	< 1.0 U	--
TW-02D	TW-02D-Q223	N	LF	-	GW	5/9/2023	3.5	18	11	12	--
TW-02S	TW-02S-Q223	N	LF	-	GW	5/9/2023	< 0.10 U	260	32	38	--
TW-02S	MW-919-Q223	FD	-	TW-02S-Q223	GW	5/9/2023	< 0.10 U	240	32	36	--
TW-03D	TW-03D-Q223	N	LF	-	GW	5/9/2023	2.7	28	25	30	--
TW-04	TW-04-Q223	N	LF	-	GW	5/18/2023	--	--	13	13	--

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 µg/L = micrograms per liter
 3V = three volume
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Iron, dissolved by Method SW 6010B (µg/L)	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)
PT5M	PT5M-Q223	N	LF	-	GW	5/24/2023	24	1400	--	< 0.10 U
PT5S	PT5S-Q223	N	LF	-	GW	5/24/2023	1000	260	--	< 0.25 U
TW-02D	TW-02D-Q223	N	LF	-	GW	5/9/2023	< 20 U	94	79	< 0.50 U
TW-02S	TW-02S-Q223	N	LF	-	GW	5/9/2023	< 20 U	< 0.50 U	5.6	< 0.50 U
TW-02S	MW-919-Q223	FD	-	TW-02S-Q223	GW	5/9/2023	< 20 U	< 0.50 U	5.3	< 0.50 U
TW-03D	TW-03D-Q223	N	LF	-	GW	5/9/2023	< 20 U	37	85	< 0.50 U
TW-04	TW-04-Q223	N	LF	-	GW	5/18/2023	--	--	--	--

Notes:

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Acronyms and Abbreviations:

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 3V = three volume
 EPA = Environmental Protection Agency
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 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

Unvalidated PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
PT5M	PT5M-Q223	N	LF	-	GW	5/24/2023	--	--	--	< 1.0 U
PT5S	PT5S-Q223	N	LF	-	GW	5/24/2023	--	--	--	1.2
TW-02D	TW-02D-Q223	N	LF	-	GW	5/9/2023	--	< 0.50 U	460	< 1.0 U
TW-02S	TW-02S-Q223	N	LF	-	GW	5/9/2023	--	< 0.50 U	440	< 1.0 U
TW-02S	MW-919-Q223	FD	-	TW-02S-Q223	GW	5/9/2023	--	< 0.50 U	440	< 1.0 U
TW-03D	TW-03D-Q223	N	LF	-	GW	5/9/2023	--	< 0.50 U	480	< 1.0 U
TW-04	TW-04-Q223	N	LF	-	GW	5/18/2023	--	--	--	--

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

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 µg/L = micrograms per liter
 3V = three volume
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, total as CaCO ₃ 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 TIMBERLINE (mg/L)	Antimony by Method SW 6020 (µg/L)	Antimony, dissolved by Method SW 6020 (µg/L)	Arsenic by Method SW 6020 (µg/L)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	21	79	83 < 250 U	< 0.20 U	< 0.50 U	< 0.50 U	4.3
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	29	390	240	< 0.20 U	< 0.50 U	< 0.50 U	1.2
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	96	--	--	--	--	--	--
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	76	--	--	--	--	--	--

Notes:

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

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Acronyms and Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	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)	Boron by Method SW 6010B (µg/L)	Boron, dissolved by Method SW 6010B (mg/L)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	4.4	68	70	< 2.5 U	< 2.5 U	2600	2.6
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	1.3	100	98	< 12 U	< 12 U	2500	2.3
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	< 0.10 U	--	100	--	--	--	0.53
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	0.51	--	140	--	--	--	0.41

Notes:

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

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Acronyms and Abbreviations:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	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)	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)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	< 1.0 U
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	< 10 U	< 0.50 U	< 0.50 U	290000	300330	6100	< 1.0 U
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	< 1.0 U
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	< 0.20 U
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	< 5.0 U	< 0.50 U	< 0.50 U	280000	290	5800	< 1.0 U
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	< 1.0 U	--	--	--	120	460	5.3
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	< 10 U	--	--	--	1400	3800	76

Notes:

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Acronyms and Abbreviations:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Chromium, total by Method SW 6020 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Cobalt by Method SW 6020 (µg/L)	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)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	< 1.0 U	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	< 1.0 U	< 1.0 U	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	7
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	< 1.0 U	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	7	< 1.0 U	< 0.50 U	< 0.50 U	1.2	< 1.0 U	6.4
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	--	5.5	--	--	--	--	1.1
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	--	91	--	--	--	--	< 2.0 U

Notes:

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

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Acronyms and Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Hardness, Calcium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, Magnesium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, total as CaCO3 by Method SM 2340 B (mg/L)	Iron by Method SW 6010B (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Lead by Method SW 6020 (µg/L)	Lead, dissolved by Method SW 6020 (µg/L)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	--	--	--	63	67	< 1.0 U	< 1.0 U
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	--	--	--	470	140	< 1.0 U	< 1.0 U
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	290	97	390	--	45	--	--
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	3600	1500	5100	--	< 20 U	--	--

Notes:

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

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Acronyms and Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	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)	Mercury by Method EPA 7470A (µg/L)	Mercury, dissolved by Method EPA 7470A (µg/L)	Molybdenum by Method SW 6020 (µg/L)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	2700	2.83.2	460	230	< 0.20 U	< 0.20 U	79
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	4400	4.4	510	520	< 0.20 U	< 0.20 U	92
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	--	24	--	57	--	--	--
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	--	370	--	< 0.50 U	--	--	--

Notes:

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

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Molybdenum, dissolved by Method SW 6020 (µg/L)	Nickel by Method SW 6020 (µg/L)	Nickel, dissolved by Method SW 6020 (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (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)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	83	< 25 U	< 25 U	< 0.50 U	< 5.0 U	38000	37
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	95	< 25 U	< 25 U	< 0.50 U	< 5.0 U	39000	37
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	--	--	--	5.1	--	--	13
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	--	--	--	14	--	--	27

Notes:

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which were analyzed by BC Labs.

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EPA = Environmental Protection Agency

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LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Selenium by Method SW 6020 (µg/L)	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-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	4100000	4200	710
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	3700000	3700	680
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	--	--	--	--	--	250	160
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	--	--	--	--	--	340	520

Notes:

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EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	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)	Vanadium by Method SW 6020 (µg/L)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--	--	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	< 0.10 U	1.7	1.6	11000	< 0.20 U	< 1.0 U	< 1.0 U
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--	--	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--	--	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	< 0.10 U	1.8	1.8	10000	< 0.20 U	< 1.0 U	1.7
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	--	--	--	1100	--	--	--
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	--	--	--	7000	--	--	--

Notes:

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LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-04 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Vanadium, dissolved by Method SW 6020 (µg/L)	Zinc by Method SW 6020 (µg/L)	Zinc, dissolved by Method SW 6020 (µg/L)
ER-3	ER-03-156-052223	N	-	GW	5/22/2023	--	--	--
ER-3	ER-03-SC-66-156	N	-	GW	5/23/2023	1.1	30	67
ER-4	ER-04-159-051323	N	-	GW	5/13/2023	--	--	--
ER-4	ER-04-159-051423-EB	N	-	GW	5/14/2023	--	--	--
ER-4	ER-04-SC-69-159	N	-	GW	5/26/2023	< 1.0 U	110	110
FW-02B-127	FW-02B-127-0423	N	LF	GW	4/6/2023	--	--	< 10 U
MWP-08	MWP-08-0423	N	3V	GW	5/9/2023	--	--	30

Notes:

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LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Unvalidated Phase 2 2023-05 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Boron, dissolved by Method SW 6010B (mg/L)	Bromide by Method EPA 300.0 (mg/L)	Calcium, dissolved by Method SW 6010B (mg/L)
FW-02B-127	FW-02B-127-0523	N	LF	GW	5/11/2023	96	< 0.10 U	110	0.54	< 1.0 U	110

Notes:

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GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated Phase 2 2023-05 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Fluoride by Method EPA 300.0 (mg/L)	Hardness, Calcium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, Magnesium (As CaCO3) by Method SM 2340 B (mg/L)
FW-02B-127	FW-02B-127-0523	N	LF	GW	5/11/2023	550	7.4	8.3	1.1	270	97

Notes:

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GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated Phase 2 2023-05 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Hardness, total as CaCO ₃ by Method SM 2340 B (mg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Potassium, dissolved by Method SW 6010B (mg/L)
FW-02B-127	FW-02B-127-0523	N	LF	GW	5/11/2023	370	22	24	96	4.4	11

Notes:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated Phase 2 2023-05 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Sodium, dissolved by Method SW 6010B (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total dissolved solids by Method SM 2540 C (mg/L)	Zinc, dissolved by Method SW 6020 (µg/L)
FW-02B-127	FW-02B-127-0523	N	LF	GW	5/11/2023	290	170	1300	< 10 U

Notes:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated RCM 2023-04 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)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)
MW-67-185	MW-67-185-0423	N	LF	GW	4/5/2023	< 80 U	120	860	22	24	160
MW-68-180	MW-68-180-0423	N	LF	GW	4/5/2023	6200	5600	--	55	--	--

Notes:

All samples were sent to Asset Laboratories for analyses.
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Acronyms and Abbreviations:

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 µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SW = solid waste

Unvalidated RCM 2023-05 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, total dissolved by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
MW-09	MW-09-Q223	N	LF	-	GW	6/1/2023	0.54	< 1.0 U	--	15
MW-10	MW-10-Q223	N	LF	-	GW	6/1/2023	3600	3900	--	240
MW-10D	MW-10D-Q223	N	LF	-	GW	6/1/2023	290	330	--	1.1
MW-11	MW-11-Q223	N	LF	-	GW	6/1/2023	2100	2200	--	--
MW-11	MW-926-Q223	FD	-	MW-11-Q223	GW	6/1/2023	2100	2400	--	--
MW-11D	MW-11D-Q223	N	LF	-	GW	6/1/2023	350	400	--	--
MW-12	MW-12-Q223	N	LF	-	GW	5/31/2023	1000	1200	--	40
MW-13	MW-13-Q223	N	LF	-	GW	6/1/2023	11	12	--	--
MW-14	MW-14-Q223	N	LF	-	GW	5/31/2023	15	17	--	--
MW-15	MW-15-Q223	N	LF	-	GW	5/25/2023	12	12	--	--
MW-19	MW-19-Q223	N	LF	-	GW	5/31/2023	110	110	--	--
MW-23-060	MW-23-060-Q223	N	LF	-	GW	5/25/2023	37	34	--	--
MW-23-080	MW-23-080-Q223	N	LF	-	GW	5/25/2023	< 1.0 U	< 1.0 U	--	--
MW-24A	MW-24A-Q223	N	LF	-	GW	6/1/2023	< 0.20 U	< 1.0 U	--	71
MW-24B	MW-24B-Q223	N	LF	-	GW	6/1/2023	250	290	--	40
MW-24BR	MW-24BR-Q223	N	3V	-	GW	6/2/2023	< 1.0 U	< 1.0 U	--	--
MW-25	MW-25-Q223	N	LF	-	GW	5/31/2023	42	43	--	--
MW-25	MW-927-Q223	FD	-	MW-25-Q223	GW	5/31/2023	42	45	--	--
MW-37D	MW-37D-Q223	N	LF	-	GW	5/25/2023	3.9	4.1	--	--
MW-37S	MW-37S-Q223	N	LF	-	GW	5/25/2023	11	11	--	--
MW-38D	MW-38D-Q223	N	LF	-	GW	6/1/2023	< 4.0 U	< 5.0 U	--	33
MW-38S	MW-38S-Q223	N	LF	-	GW	6/1/2023	20	22	--	9.2
MW-40D	MW-40D-Q223	N	LF	-	GW	5/25/2023	< 1.0 U	< 1.0 U	--	--
MW-40S	MW-40S-Q223	N	G	-	GW	5/25/2023	10	11	--	--
MW-41D	MW-41D-Q223	N	LF	-	GW	5/31/2023	< 1.0 U	< 1.0 U	--	--
MW-41M	MW-41M-Q223	N	LF	-	GW	5/31/2023	8.4	8	--	--
MW-41M	MW-928-Q223	FD	-	MW-41M-Q223	GW	5/31/2023	8.6	8.6	--	--
MW-41S	MW-41S-Q223	N	LF	-	GW	5/31/2023	4.2	4.3	--	--
MW-48	MW-48-Q223	N	3V	-	GW	6/2/2023	< 1.0 U	< 1.0 U	--	8.9
MW-50-095	MW-50-095-Q223	N	LF	-	GW	5/26/2023	13	14	--	--
MW-50-200	MW-50-200-Q223	N	LF	-	GW	5/26/2023	2700	3000	--	--
MW-57-070	MW-57-070-Q223	N	LF	-	GW	5/26/2023	170	170	--	--
MW-57-185	MW-57-185-Q223	N	LF	-	GW	5/26/2023	< 1.0 U	< 1.0 U	--	--
MW-58-065	MW-58-065-Q223	N	LF	-	GW	5/26/2023	540	560	--	--
MW-58BR	MW-58BR-Q223	N	LF	-	GW	5/26/2023	4.3	4.9	--	--
MW-59-100	MW-59-100-Q223	N	LF	-	GW	5/31/2023	2200	2600	--	--
MW-59-100	MW-929-Q223	FD	-	MW-59-100-Q223	GW	5/31/2023	2200	2400	--	--
MW-60-125	MW-60-125-Q223	N	LF	-	GW	6/1/2023	10	57	--	--
MW-60BR-245	MW-60BR-245-Q223	N	LF	-	GW	5/31/2023	31	32	--	--
MW-61-110	MW-61-110-Q223	N	LF	-	GW	5/31/2023	< 1.0 U	< 1.0 U	--	--
MW-62-065	MW-62-065-Q223	N	LF	-	GW	5/30/2023	560	620	--	--
MW-62-110	MW-62-110-Q223	N	3V	-	GW	5/31/2023	< 1.0 U	< 1.0 U	--	--
MW-62-190	MW-62-190-Q223	N	3V	-	GW	5/31/2023	< 1.0 U	< 1.0 U	--	--
MW-63-065	MW-63-065-Q223	N	LF	-	GW	5/31/2023	1.4	1.5	--	--
MW-64BR	MW-64BR-Q223	N	LF	-	GW	5/25/2023	< 1.0 U	< 1.0 U	--	--

Unvalidated RCM 2023-05 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)	Selenium, dissolved by Method SW 6020 (µg/L)
MW-09	MW-09-Q223	N	LF	-	GW	6/1/2023	4.8	1.8
MW-10	MW-10-Q223	N	LF	-	GW	6/1/2023	12	1.9
MW-10D	MW-10D-Q223	N	LF	-	GW	6/1/2023	11	7.5
MW-11	MW-11-Q223	N	LF	-	GW	6/1/2023	--	--
MW-11	MW-926-Q223	FD	-	MW-11-Q223	GW	6/1/2023	--	--
MW-11D	MW-11D-Q223	N	LF	-	GW	6/1/2023	--	--
MW-12	MW-12-Q223	N	LF	-	GW	5/31/2023	7.2	8.2
MW-13	MW-13-Q223	N	LF	-	GW	6/1/2023	--	--
MW-14	MW-14-Q223	N	LF	-	GW	5/31/2023	--	--
MW-15	MW-15-Q223	N	LF	-	GW	5/25/2023	--	--
MW-19	MW-19-Q223	N	LF	-	GW	5/31/2023	--	--
MW-23-060	MW-23-060-Q223	N	LF	-	GW	5/25/2023	--	--
MW-23-080	MW-23-080-Q223	N	LF	-	GW	5/25/2023	--	--
MW-24A	MW-24A-Q223	N	LF	-	GW	6/1/2023	< 0.25 U	< 0.50 U
MW-24B	MW-24B-Q223	N	LF	-	GW	6/1/2023	2.2	2.4
MW-24BR	MW-24BR-Q223	N	3V	-	GW	6/2/2023	--	--
MW-25	MW-25-Q223	N	LF	-	GW	5/31/2023	--	--
MW-25	MW-927-Q223	FD	-	MW-25-Q223	GW	5/31/2023	--	--
MW-37D	MW-37D-Q223	N	LF	-	GW	5/25/2023	--	--
MW-37S	MW-37S-Q223	N	LF	-	GW	5/25/2023	--	--
MW-38D	MW-38D-Q223	N	LF	-	GW	6/1/2023	< 1.0 U	< 2.5 U
MW-38S	MW-38S-Q223	N	LF	-	GW	6/1/2023	5.4	5.2
MW-40D	MW-40D-Q223	N	LF	-	GW	5/25/2023	--	--
MW-40S	MW-40S-Q223	N	G	-	GW	5/25/2023	--	--
MW-41D	MW-41D-Q223	N	LF	-	GW	5/31/2023	--	--
MW-41M	MW-41M-Q223	N	LF	-	GW	5/31/2023	--	--
MW-41M	MW-928-Q223	FD	-	MW-41M-Q223	GW	5/31/2023	--	--
MW-41S	MW-41S-Q223	N	LF	-	GW	5/31/2023	--	--
MW-48	MW-48-Q223	N	3V	-	GW	6/2/2023	< 0.50 U	< 0.50 U
MW-50-095	MW-50-095-Q223	N	LF	-	GW	5/26/2023	--	--
MW-50-200	MW-50-200-Q223	N	LF	-	GW	5/26/2023	--	--
MW-57-070	MW-57-070-Q223	N	LF	-	GW	5/26/2023	--	--
MW-57-185	MW-57-185-Q223	N	LF	-	GW	5/26/2023	--	--
MW-58-065	MW-58-065-Q223	N	LF	-	GW	5/26/2023	--	--
MW-58BR	MW-58BR-Q223	N	LF	-	GW	5/26/2023	--	--
MW-59-100	MW-59-100-Q223	N	LF	-	GW	5/31/2023	--	--
MW-59-100	MW-929-Q223	FD	-	MW-59-100-Q223	GW	5/31/2023	--	--
MW-60-125	MW-60-125-Q223	N	LF	-	GW	6/1/2023	--	--
MW-60BR-245	MW-60BR-245-Q223	N	LF	-	GW	5/31/2023	--	--
MW-61-110	MW-61-110-Q223	N	LF	-	GW	5/31/2023	--	--
MW-62-065	MW-62-065-Q223	N	LF	-	GW	5/30/2023	--	--
MW-62-110	MW-62-110-Q223	N	3V	-	GW	5/31/2023	--	--
MW-62-190	MW-62-190-Q223	N	3V	-	GW	5/31/2023	--	--
MW-63-065	MW-63-065-Q223	N	LF	-	GW	5/31/2023	--	--
MW-64BR	MW-64BR-Q223	N	LF	-	GW	5/25/2023	--	--

Unvalidated RCM 2023-05 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, total dissolved by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
MW-65-160	MW-65-160-Q223	N	LF	-	GW	5/30/2023	280	320	--	26
MW-65-225	MW-65-225-Q223	N	LF	-	GW	5/30/2023	210	240	--	22
MW-66-165	MW-66-165-Q223	N	LF	-	GW	6/1/2023	330	390	--	5.4
MW-66-230	MW-66-230-Q223	N	LF	-	GW	6/1/2023	6400	7500	--	77
MW-66BR-270	MW-66BR-270-Q223	N	3V	-	GW	6/1/2023	< 1.0 U	< 1.0 U	--	--
MW-67-185	MW-67-185-0523	N	LF	-	GW	5/30/2023	< 80 U	< 5.0 U	1100	21
MW-67-185	MW-925-Q223	FD	-	MW-67-185-0523	GW	5/30/2023	< 80 U	< 5.0 U	1000	19
MW-67-225	MW-67-225-Q223	N	LF	-	GW	5/31/2023	3300	4000	--	62
MW-67-260	MW-67-260-Q223	N	LF	-	GW	5/31/2023	520	550	--	71
MW-68-180	MW-68-180-Q223	N	LF	-	GW	5/30/2023	1800	1800	--	46
MW-68-240	MW-68-240-Q223	N	LF	-	GW	5/31/2023	1700	2000	--	22
MW-68BR-280	MW-68BR-280-Q223	N	3V	-	GW	5/31/2023	< 1.0 U	< 1.0 U	--	--
MW-69-195	MW-69-195-Q223	N	LF	-	GW	5/30/2023	53	40	--	67
MW-70-105	MW-70-105-Q223	N	LF	-	GW	5/26/2023	200	230	--	56
MW-70BR-225	MW-70BR-225-Q223	N	LF	-	GW	5/26/2023	1100	1200	--	19
MW-70BR-287	MW-70BR-287-Q223	N	LF	-	GW	5/26/2023	360	370	--	--
MW-72-080	MW-72-080-Q223	N	LF	-	GW	5/24/2023	49	56	--	--
MW-72BR-200	MW-72BR-200-Q223	N	LF	-	GW	5/24/2023	< 1.0 U	< 1.0 U	--	--
MW-73-080	MW-73-080-Q223	N	LF	-	GW	5/24/2023	6.6	8.1	--	--
MW-74-240	MW-74-240-Q223	N	LF	-	GW	5/30/2023	< 0.20 U	< 1.0 U	--	--
MW-83-090	MW-83-090-Q223	N	LF	-	GW	5/22/2023	54	53	--	--
MW-83-090	MW-930-Q223	FD	-	MW-83-090-Q223	GW	5/22/2023	52	51	--	--
MW-83-180	MW-83-180-Q223	N	LF	-	GW	5/22/2023	6.4	8.9	--	--
MW-83-225	MW-83-225-Q223	N	LF	-	GW	5/22/2023	22	22	--	--
MW-83-245	MW-83-245-Q223	N	LF	-	GW	5/22/2023	3000	3000	--	--
MW-84-057	MW-84-057-Q223	N	LF	-	GW	5/25/2023	34	36	--	--
MW-84-095	MW-84-095-Q223	N	LF	-	GW	5/25/2023	1.3	1.3	--	--
MW-84-132	MW-84-132-Q223	N	LF	-	GW	5/25/2023	2.2	2.2	--	--
MW-84-193	MW-84-193-Q223	N	LF	-	GW	5/25/2023	2.9	2.9	--	--
MW-85-129	MW-85-129-Q223	N	LF	-	GW	5/22/2023	240	240	--	--
MW-85-217	MW-85-217-Q223	N	LF	-	GW	5/22/2023	2000	2000	--	--
MW-85-237	MW-85-237-Q223	N	LF	-	GW	5/22/2023	78	63	--	--
MW-87-109	MW-87-109-Q223	N	LF	-	GW	5/18/2023	20	19	--	--
MW-87-139	MW-87-139-Q223	N	LF	-	GW	5/18/2023	9.8	8.7	--	--
MW-87-139	MW-931-Q223	FD	-	MW-87-139-Q223	GW	5/18/2023	9.8	9.1	--	--
MW-87-192	MW-87-192-Q223	N	LF	-	GW	5/18/2023	1.5	1.6	--	--
MW-87-275	MW-87-275-Q223	N	LF	-	GW	5/18/2023	1.2	1.2	--	--
MW-88-107	MW-88-107-Q223	N	LF	-	GW	6/1/2023	37	43	--	--
MW-89-183	MW-89-183-Q223	N	LF	-	GW	5/25/2023	1.2	1.3	--	--
MW-89-273	MW-89-273-Q223	N	LF	-	GW	5/25/2023	0.53	< 1.0 U	--	--
MW-89-273	MW-932-Q223	FD	-	MW-89-273-Q223	GW	5/25/2023	0.55	< 1.0 U	--	--
MW-93-050	MW-93-050-Q223	N	LF	-	GW	5/25/2023	21	21	--	--
MW-93-213	MW-93-213-Q223	N	LF	-	GW	5/25/2023	4.5	4.1	--	--
MW-95-113	MW-95-113-Q223	N	LF	-	GW	6/1/2023	3.7	4.3	--	--
MW-95-157	MW-95-157-Q223	N	LF	-	GW	6/1/2023	7.6	8.1	--	--

Unvalidated RCM 2023-05 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)	Selenium, dissolved by Method SW 6020 (µg/L)
MW-65-160	MW-65-160-Q223	N	LF	-	GW	5/30/2023	12	10
MW-65-225	MW-65-225-Q223	N	LF	-	GW	5/30/2023	6.1	4.4
MW-66-165	MW-66-165-Q223	N	LF	-	GW	6/1/2023	15	14
MW-66-230	MW-66-230-Q223	N	LF	-	GW	6/1/2023	21	18
MW-66BR-270	MW-66BR-270-Q223	N	3V	-	GW	6/1/2023	--	--
MW-67-185	MW-67-185-0523	N	LF	-	GW	5/30/2023	23	160
MW-67-185	MW-925-Q223	FD	-	MW-67-185-0523	GW	5/30/2023	21	130
MW-67-225	MW-67-225-Q223	N	LF	-	GW	5/31/2023	15	60
MW-67-260	MW-67-260-Q223	N	LF	-	GW	5/31/2023	< 0.25 U	1.1
MW-68-180	MW-68-180-Q223	N	LF	-	GW	5/30/2023	9.4	6.7
MW-68-240	MW-68-240-Q223	N	LF	-	GW	5/31/2023	3.8	3.5
MW-68BR-280	MW-68BR-280-Q223	N	3V	-	GW	5/31/2023	--	--
MW-69-195	MW-69-195-Q223	N	LF	-	GW	5/30/2023	7.6	6.4
MW-70-105	MW-70-105-Q223	N	LF	-	GW	5/26/2023	5.3	5.2
MW-70BR-225	MW-70BR-225-Q223	N	LF	-	GW	5/26/2023	4.3	2.5
MW-70BR-287	MW-70BR-287-Q223	N	LF	-	GW	5/26/2023	--	--
MW-72-080	MW-72-080-Q223	N	LF	-	GW	5/24/2023	--	--
MW-72BR-200	MW-72BR-200-Q223	N	LF	-	GW	5/24/2023	--	--
MW-73-080	MW-73-080-Q223	N	LF	-	GW	5/24/2023	--	--
MW-74-240	MW-74-240-Q223	N	LF	-	GW	5/30/2023	--	--
MW-83-090	MW-83-090-Q223	N	LF	-	GW	5/22/2023	--	--
MW-83-090	MW-930-Q223	FD	-	MW-83-090-Q223	GW	5/22/2023	--	--
MW-83-180	MW-83-180-Q223	N	LF	-	GW	5/22/2023	--	--
MW-83-225	MW-83-225-Q223	N	LF	-	GW	5/22/2023	--	--
MW-83-245	MW-83-245-Q223	N	LF	-	GW	5/22/2023	--	--
MW-84-057	MW-84-057-Q223	N	LF	-	GW	5/25/2023	--	--
MW-84-095	MW-84-095-Q223	N	LF	-	GW	5/25/2023	--	--
MW-84-132	MW-84-132-Q223	N	LF	-	GW	5/25/2023	--	--
MW-84-193	MW-84-193-Q223	N	LF	-	GW	5/25/2023	--	--
MW-85-129	MW-85-129-Q223	N	LF	-	GW	5/22/2023	--	--
MW-85-217	MW-85-217-Q223	N	LF	-	GW	5/22/2023	--	--
MW-85-237	MW-85-237-Q223	N	LF	-	GW	5/22/2023	--	--
MW-87-109	MW-87-109-Q223	N	LF	-	GW	5/18/2023	--	--
MW-87-139	MW-87-139-Q223	N	LF	-	GW	5/18/2023	--	--
MW-87-139	MW-931-Q223	FD	-	MW-87-139-Q223	GW	5/18/2023	--	--
MW-87-192	MW-87-192-Q223	N	LF	-	GW	5/18/2023	--	--
MW-87-275	MW-87-275-Q223	N	LF	-	GW	5/18/2023	--	--
MW-88-107	MW-88-107-Q223	N	LF	-	GW	6/1/2023	--	--
MW-89-183	MW-89-183-Q223	N	LF	-	GW	5/25/2023	--	--
MW-89-273	MW-89-273-Q223	N	LF	-	GW	5/25/2023	--	--
MW-89-273	MW-932-Q223	FD	-	MW-89-273-Q223	GW	5/25/2023	--	--
MW-93-050	MW-93-050-Q223	N	LF	-	GW	5/25/2023	--	--
MW-93-213	MW-93-213-Q223	N	LF	-	GW	5/25/2023	--	--
MW-95-113	MW-95-113-Q223	N	LF	-	GW	6/1/2023	--	--
MW-95-157	MW-95-157-Q223	N	LF	-	GW	6/1/2023	--	--

Unvalidated RCM 2023-05 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, total dissolved by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
MW-98-055	MW-98-055-Q223	N	LF	-	GW	5/25/2023	67	61	--	--
MW-98-077	MW-98-077-Q223	N	LF	-	GW	5/25/2023	200	230	--	--
PGE-07BR	PGE-07BR-Q223	N	3V	-	GW	6/1/2023	< 1.0 U	< 1.0 U	--	--
PGE-07BR	MW-933-Q223	FD	-	PGE-07BR-Q223	GW	6/1/2023	< 1.0 U	< 1.0 U	--	--
PGE-08	PGE-08-Q223	N	EP	-	GW	6/2/2023	< 1.0 U	1.8	--	--
PT8D	PT8D-Q223	N	LF	-	GW	6/1/2023	< 1.0 U	5.9	--	--
PT9D	PT9D-Q223	N	LF	-	GW	6/1/2023	4600	4500	--	--
PT9M	PT9M-Q223	N	LF	-	GW	6/1/2023	640	640	--	--
PT9S	PT9S-Q223	N	LF	-	GW	6/1/2023	120	120	--	--
PT9S	MW-934-Q223	FD	-	PT9S-Q223	GW	6/1/2023	120	130	--	--
TW-01	TW-01-Q223	N	3V	-	GW	6/2/2023	3700	3900	--	13
TW-05	TW-05-Q223	N	LF	-	GW	5/26/2023	14	14	--	--

Notes:

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SW = solid waste

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Unvalidated RCM 2023-05 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)	Selenium, dissolved by Method SW 6020 (µg/L)
MW-98-055	MW-98-055-Q223	N	LF	-	GW	5/25/2023	--	--
MW-98-077	MW-98-077-Q223	N	LF	-	GW	5/25/2023	--	--
PGE-07BR	PGE-07BR-Q223	N	3V	-	GW	6/1/2023	--	--
PGE-07BR	MW-933-Q223	FD	-	PGE-07BR-Q223	GW	6/1/2023	--	--
PGE-08	PGE-08-Q223	N	EP	-	GW	6/2/2023	--	--
PT8D	PT8D-Q223	N	LF	-	GW	6/1/2023	--	--
PT9D	PT9D-Q223	N	LF	-	GW	6/1/2023	--	--
PT9M	PT9M-Q223	N	LF	-	GW	6/1/2023	--	--
PT9S	PT9S-Q223	N	LF	-	GW	6/1/2023	--	--
PT9S	MW-934-Q223	FD	-	PT9S-Q223	GW	6/1/2023	--	--
TW-01	TW-01-Q223	N	3V	-	GW	6/2/2023	9.1	23
TW-05	TW-05-Q223	N	LF	-	GW	5/26/2023	--	--

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Unvalidated RCM 2023-05 Surface Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	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-Q223	N	R	-	Surface Water	5/16/2023	2.4	< 0.20 U	< 1.0 U	0.59
C-CON-D	C-CON-D-Q223	N	R	-	Surface Water	5/17/2023	2.5	< 0.20 U	< 1.0 U	0.69
C-CON-S	C-CON-S-Q223	N	R	-	Surface Water	5/17/2023	2.4	< 0.20 U	< 1.0 U	0.8
C-I-3-D	C-I-3-D-Q223	N	R	-	Surface Water	5/16/2023	2.3	< 0.20 U	< 1.0 U	< 0.50 U
C-I-3-S	C-I-3-S-Q223	N	R	-	Surface Water	5/16/2023	2.2	< 0.20 U	< 1.0 U	< 0.50 U
C-MAR-D	C-MAR-D-Q223	N	R	-	Surface Water	5/17/2023	2.1	< 0.20 U	< 1.0 U	200
C-MAR-S	C-MAR-S-Q223	N	R	-	Surface Water	5/17/2023	2.2	< 0.20 U	< 1.0 U	170
C-MAR-S	MW-936-Q223	FD	-	C-MAR-S-Q223	Surface Water	5/17/2023	2.2	< 0.20 U	< 1.0 U	160
C-NR1-D	C-NR1-D-Q223	N	R	-	Surface Water	5/17/2023	2.4	< 0.20 U	< 1.0 U	0.69
C-NR1-S	C-NR1-S-Q223	N	R	-	Surface Water	5/17/2023	2.4	< 0.20 U	< 1.0 U	0.65
C-NR3-D	C-NR3-D-Q223	N	R	-	Surface Water	5/17/2023	2.2	< 0.20 U	< 1.0 U	0.76
C-NR3-S	C-NR3-S-Q223	N	R	-	Surface Water	5/17/2023	2.3	< 0.20 U	< 1.0 U	0.68
C-NR4-D	C-NR4-D-Q223	N	R	-	Surface Water	5/17/2023	2.2	< 0.20 U	< 1.0 U	0.76
C-NR4-D	MW-937-Q223	FD	-	C-NR4-D-Q223	Surface Water	5/17/2023	2.2	< 0.20 U	< 1.0 U	0.78
C-NR4-S	C-NR4-S-Q223	N	R	-	Surface Water	5/17/2023	2.3	< 0.20 U	< 1.0 U	1.8
C-R22A-D	C-R22A-D-Q223	N	R	-	Surface Water	5/16/2023	2.2	< 0.20 U	< 1.0 U	2.9
C-R22A-S	C-R22A-S-Q223	N	R	-	Surface Water	5/16/2023	2.3	< 0.20 U	< 1.0 U	3.1
C-R27-D	C-R27-D-Q223	N	R	-	Surface Water	5/16/2023	2.2	< 0.20 U	< 1.0 U	0.75
C-R27-S	C-R27-S-Q223	N	R	-	Surface Water	5/16/2023	2.1	< 0.20 U	< 1.0 U	1.3
C-TAZ-D	C-TAZ-D-Q223	N	R	-	Surface Water	5/16/2023	2.4	< 0.20 U	< 1.0 U	0.69
C-TAZ-D	MW-938-Q223	FD	-	C-TAZ-D-Q223	Surface Water	5/16/2023	2.1	< 0.20 U	< 1.0 U	0.82
C-TAZ-S	C-TAZ-S-Q223	N	R	-	Surface Water	5/16/2023	2.1	< 0.20 U	< 1.0 U	0.78
R-19	R-19-Q223	N	R	-	Surface Water	5/17/2023	2.5	< 0.20 U	< 1.0 U	3.1
R-28	R-28-Q223	N	R	-	Surface Water	5/16/2023	2.1	< 0.20 U	< 1.0 U	3.3
R63	R63-Q223	N	R	-	Surface Water	5/16/2023	2.5	< 0.20 U	< 1.0 U	3.3
RRB	RRB-Q223	N	R	-	Surface Water	5/17/2023	2.3	< 0.20 U	< 1.0 U	3.2
RRB	MW-939-Q223	FD	-	RRB-Q223	Surface Water	5/17/2023	2.5	< 0.20 U	< 1.0 U	2.8
SW1	SW1-Q223	N	R	-	Surface Water	5/16/2023	2.3	< 0.20 U	< 1.0 U	3.5
SW2	SW2-Q223	N	R	-	Surface Water	5/16/2023	2.3	< 0.20 U	< 1.0 U	2.8

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Unvalidated TCS Process Water Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Ammonia as nitrogen by Method TIMBERLINE (mg/L)	Benzotriazole and Tolytriazole by Method HACH_8079 (mg/L)	Bromide by Method EPA 300.0 (mg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrite as Nitrogen by Method EPA 300.0 (mg/L)
JACKET_WATER	JACKET_WATER-0523	N	GW	5/10/2023	1.6	5.8	< 10 U	110,000	1.9	250
LOCW_TOWERA	LOCW_TOWERA-0523	N	GW	5/10/2023	1.3	16	< 25 U	480,000	900	220
LOCW_TOWERB	LOCW_TOWERB-0523	N	GW	5/10/2023	0.23	3.4	< 25 U	570,000	1300	< 10 U

Notes:

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Unvalidated TCS Process Water Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Orthophosphate, dissolved by Method EPA 300.0 (mg/L)	Perchlorate by Method EPA 314 (µg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Total Kjeldahl Nitrogen by Method EPA 351.2 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
JACKET_WATER	JACKET_WATER-0523	N	GW	5/10/2023	< 2.0 U	< 20 U	< 2.5 U	5	100
LOCW_TOWERA	LOCW_TOWERA-0523	N	GW	5/10/2023	< 5.0 U	< 40 U	< 2.5 U	24	2300
LOCW_TOWERB	LOCW_TOWERB-0523	N	GW	5/10/2023	< 5.0 U	< 40 U	< 2.5 U	18	510

Notes:

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