

DOM 2022-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, total as CaCO3 by method SM 2320 B (mg/L)	Ammonia as nitrogen by method A4500NH3G (mg/L)	Arsenic, dissolved by method SW 6020 (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)	Chromium, total dissolved by method SW 6020 (µg/L)	Fluoride by method EPA 300.0 (mg/L)
PM-03	PM-03-Q422	N	EP	GW	12/12/2022	89	< 0.23 U	0.86	90	310	8.9	8.9 J	2
PM-04	PM-04-Q422	N	EP	GW	12/12/2022	74	< 0.23 U	0.2	150	820	15	17 J	1.2

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of ammonia which was analyzed by 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
J = estimated value
mg/L = milligrams per liter
N = Normal
SM = standard method
SW = solid waste
U = analyte not detected

DOM 2022-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Iron, dissolved by method SW 6010B (µg/L)	Magnesium, dissolved by method SW 6010B (mg/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)	Potassium, dissolved by method SW 6010B (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)	Sodium, dissolved by method SW 6010B (mg/L)
PM-03	PM-03-Q422	N	EP	GW	12/12/2022	< 20 U	19 J	1	5.6	3.2	9.7 J	1.7	200
PM-04	PM-04-Q422	N	EP	GW	12/12/2022	< 20 U	41 J	< 0.50 U	5.5	1.9	15 J	1.4	560

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DOM 2022-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Sulfate by method EPA 300.0 (mg/L)	Total dissolved solids by method SM 2540 C (mg/L)
PM-03	PM-03-Q422	N	EP	GW	12/12/2022	63	780
PM-04	PM-04-Q422	N	EP	GW	12/12/2022	260	1800

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Hyd6 2023-02 Sampling

MW-94-030	MW-94-030-Q123	N	LF	-	GW	2/14/2023	-71.8	-9.56
MW-94-030	MW-901-Q123	FD	-	MW-94-030-Q123	GW	2/14/2023	-70.9	-9.52
MW-94-100	MW-94-100-Q123	N	LF	-	GW	2/14/2023	-72.2	-9.78
MW-94-175	MW-94-175-Q123	N	LF	-	GW	2/14/2023	-73.1	-10.03
MW-99-060	MW-99-060-Q123	N	LF	-	GW	2/15/2023	-72.7	-9.62
MW-99-060	MW-902-Q123	FD	-	MW-99-060-Q123	GW	2/15/2023	-72.3	-9.6
MW-99-140	MW-99-140-Q123	N	LF	-	GW	2/15/2023	-72.8	-9.84
PGE-09N	PGE-09N-Q123	N	3V	-	GW	2/15/2023	-78.1	-9.97
PGE-09S	PGE-09S-Q123	N	3V	-	GW	2/15/2023	-77.3	-9.9
Site B-165	SITE B-165-Q123	N	3V	-	GW	2/16/2023	-76.2	-10.23
Site B-220	SITE B-220-Q123	N	3V	-	GW	2/16/2023	-76.2	-10.2
Site B-285	SITE B-285-Q123	N	3V	-	GW	2/16/2023	-76.6	-10.21

Notes:

All samples were sent to Isotech Laboratories for analyses.

Acronyms and Abbreviations:

- 3V = three volume
- FD = field duplicate
- GW = groundwater
- LF = low flow
- N = Normal
- = no entry

IM3 2022-11 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)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Boron, dissolved by method SW 6010B (mg/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)
CW-01D	CW-01D-Q422	N	LF	-	GW	11/29/2022	79	< 0.10 U	23	1.8	160	1900	< 1.0 U
CW-01M	CW-01M-Q422	N	LF	-	GW	11/29/2022	78	< 0.10 U	80	1.8	200	2100	< 1.0 U
CW-02D	CW-02D-Q422	N	LF	-	GW	12/2/2022	70	1.4	15 J	1.3	85 J	2100	0.4
CW-02M	CW-02M-Q422	N	LF	-	GW	12/2/2022	67	0.46	84 J	1.2	120 J	2100	1.1
CW-03D	CW-03D-Q422	N	LF	-	GW	12/2/2022	65	< 0.10 U	18 J	1.2	73 J	2100	0.6
CW-03M	CW-03M-Q422	N	LF	-	GW	12/2/2022	54	< 0.10 U	37 J	1.4	140 J	2100	2.4
CW-04D	CW-04D-Q422	N	LF	-	GW	12/1/2022	54	1.5	21 J	1.4	160	2200	< 1.0 U
CW-04M	CW-04M-Q422	N	LF	-	GW	12/1/2022	59	0.68	85 J	1.2	230	2000	1.1
OW-01D	OW-01D-Q422	N	LF	-	GW	11/28/2022	83	< 0.10 U	31	1.9	180	1900	< 1.0 U
OW-01M	OW-01M-Q422	N	LF	-	GW	11/28/2022	120	< 0.10 U	66	1.9	190	2000	1.3
OW-01S	OW-01S-Q422	N	LF	-	GW	11/28/2022	250	< 0.10 U	67 J	1.5	410 J	1700	7.7
OW-01S	MW-903-Q422	FD		OW-01S-Q422	GW	11/28/2022	230	< 0.10 U	110 J	1.5	590 J	1700	7.7
OW-02D	OW-02D-Q422	N	LF	-	GW	12/1/2022	87	0.41	24 J	1.3	210	2000	0.34
OW-02M	OW-02M-Q422	N	LF	-	GW	12/1/2022	110	< 0.10 U	40 J	1.2	170	1900	1.6
OW-02M	MW-904-Q422	FD		OW-02M-Q422	GW	12/1/2022	110	< 0.10 U	38 J	1.2	170	1900	1.7
OW-02S	OW-02S-Q422	N	LF	-	GW	12/1/2022	72	0.73	96 J	0.67	110	860	21
OW-05D	OW-05D-Q422	N	LF	-	GW	12/1/2022	82	1.3	31 J	1.2	180	1900	0.88
OW-05M	OW-05M-Q422	N	LF	-	GW	12/1/2022	84	< 0.10 U	33 J	1.3	170	1900	0.63
OW-05S	OW-05S-Q422	N	LF	-	GW	12/1/2022	54	< 0.10 U	120 J	0.41	430	1400	13

Notes:

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IM3 2022-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Chromium, total dissolved by method SW 6020 (µg/L)	Fluoride by method EPA 300.0 (mg/L)	Magnesium, dissolved by method SW 6010B (mg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate/Nitrite as Nitrogen by method EPA 353.2 (mg/L)	Potassium, dissolved by method SW 6010B (mg/L)
CW-01D	CW-01D-Q422	N	LF	-	GW	11/29/2022	1.8	2.3	17 J	18 J	23	8.2 J	12
CW-01M	CW-01M-Q422	N	LF	-	GW	11/29/2022	< 1.0 U	2.1	13 J	1.1 J	16	2.8 J	11
CW-02D	CW-02D-Q422	N	LF	-	GW	12/2/2022	< 1.0 U	1.8	5.5 J	< 0.50 U	14	2.8 J	12 J
CW-02M	CW-02M-Q422	N	LF	-	GW	12/2/2022	1.5	2.8	11 J	0.54	13	2.7 J	11 J
CW-03D	CW-03D-Q422	N	LF	-	GW	12/2/2022	< 1.0 U	2.3	6.3 J	< 0.50 U	13	2.9 J	12 J
CW-03M	CW-03M-Q422	N	LF	-	GW	12/2/2022	2.5	3.9	13 J	< 0.50 U	33	2.8 J	20 J
CW-04D	CW-04D-Q422	N	LF	-	GW	12/1/2022	1	4	8 J	< 0.50 U	32 J	2.7 J	13 J
CW-04M	CW-04M-Q422	N	LF	-	GW	12/1/2022	1.3	2	15 J	< 0.50 U	9.1 J	2.9 J	13 J
OW-01D	OW-01D-Q422	N	LF	-	GW	11/28/2022	1	2.5	24 J	< 0.50 UJ	24	6.8 J	13
OW-01M	OW-01M-Q422	N	LF	-	GW	11/28/2022	1.4	2.2	27 J	< 0.50 UJ	21	5.8 J	13
OW-01S	OW-01S-Q422	N	LF	-	GW	11/28/2022	7.3	1.2	59 J	6.2 J	5.2	3.1 J	15
OW-01S	MW-903-Q422	FD		OW-01S-Q422	GW	11/28/2022	7.6	1.2	68 J	7.2 J	5.3	3 J	17
OW-02D	OW-02D-Q422	N	LF	-	GW	12/1/2022	< 1.0 U	2.6	31 J	< 0.50 U	23 J	7.4 J	18 J
OW-02M	OW-02M-Q422	N	LF	-	GW	12/1/2022	1.8	2.4	24 J	< 0.50 U	22 J	7.6 J	19 J
OW-02M	MW-904-Q422	FD		OW-02M-Q422	GW	12/1/2022	1.8	2.3	25 J	< 0.50 U	21 J	7.3 J	15 J
OW-02S	OW-02S-Q422	N	LF	-	GW	12/1/2022	22	3	12 J	< 0.50 U	25 J	4.3 J	15 J
OW-05D	OW-05D-Q422	N	LF	-	GW	12/1/2022	1.3	2.6	27 J	< 0.50 U	26 J	6.7 J	17 J
OW-05M	OW-05M-Q422	N	LF	-	GW	12/1/2022	< 1.0 U	2.4	25 J	< 0.50 U	24 J	8.4 J	20 J
OW-05S	OW-05S-Q422	N	LF	-	GW	12/1/2022	13	1.4	59 J	< 0.50 U	7.7 J	3.1 J	18 J

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IM3 2022-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by method SW 6020 (µg/L)	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)	Vanadium, dissolved by method SW 6020 (µg/L)
CW-01D	CW-01D-Q422	N	LF	-	GW	11/29/2022	7.5 J	1300 J	510	4300	3.2
CW-01M	CW-01M-Q422	N	LF	-	GW	11/29/2022	3.8 J	1500 J	510	5500	3
CW-02D	CW-02D-Q422	N	LF	-	GW	12/2/2022	4.1	1700 J	490	4400	4.7
CW-02M	CW-02M-Q422	N	LF	-	GW	12/2/2022	4.1	1500 J	600	4400	4.5
CW-03D	CW-03D-Q422	N	LF	-	GW	12/2/2022	3.6	1600 J	610	4500	2.7
CW-03M	CW-03M-Q422	N	LF	-	GW	12/2/2022	2.7	1500 J	620	4400	3.6
CW-04D	CW-04D-Q422	N	LF	-	GW	12/1/2022	3.4	1500 J	510	4500	3.7
CW-04M	CW-04M-Q422	N	LF	-	GW	12/1/2022	3.3	1400 J	490	4200	3.8
OW-01D	OW-01D-Q422	N	LF	-	GW	11/28/2022	7.8 J	1400 J	510	4500 J	3.7
OW-01M	OW-01M-Q422	N	LF	-	GW	11/28/2022	6 J	1400 J	510	4700	3.4
OW-01S	OW-01S-Q422	N	LF	-	GW	11/28/2022	3 J	830 J	380	4400	2.4
OW-01S	MW-903-Q422	FD		OW-01S-Q422	GW	11/28/2022	3.2 J	920 J	380	4800	2.4
OW-02D	OW-02D-Q422	N	LF	-	GW	12/1/2022	9.4	1300 J	510	4100	1.9
OW-02M	OW-02M-Q422	N	LF	-	GW	12/1/2022	9.3	1300 J	510	4400	3.3
OW-02M	MW-904-Q422	FD		OW-02M-Q422	GW	12/1/2022	9	1400 J	510	4200	3.1
OW-02S	OW-02S-Q422	N	LF	-	GW	12/1/2022	2.9	350 J	170	1800	4.5
OW-05D	OW-05D-Q422	N	LF	-	GW	12/1/2022	8.8	1200 J	510	4200	2.9
OW-05M	OW-05M-Q422	N	LF	-	GW	12/1/2022	9.7	1300 J	510	4200	2.4
OW-05S	OW-05S-Q422	N	LF	-	GW	12/1/2022	2.3	580 J	310	3100	2.7

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OMM 2022-Q4 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 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)
Backwash Post-filter	BACKWASH POST-FILTER-100322	N	-	-	WATER	10/3/2022	< 1.0 U	260	-	110	250
Backwash Post-filter	BACKWASH POST-FILTER-101122	N	-	-	WATER	10/11/2022	440	440	-	< 20 U	40
Backwash Post-filter	BACKWASH POST-FILTER-101822	N	-	-	WATER	10/18/2022	300	420	-	< 20 U	44
Backwash Post-filter	BACKWASH POST-FILTER-102522	N	-	-	WATER	10/25/2022	300	370	-	< 20 U	48
Backwash Post-filter	Backwash Post-filter-110222	N	-	-	WATER	11/2/2022	280	310	-	110	56
Backwash Post-filter	BACKWASH POST-FILTER-110822	N	-	-	WATER	11/8/2022	280	340	-	< 20 U	40
Backwash Post-filter	BACKWASH POST-FILTER-111522	N	-	-	WATER	11/15/2022	280	380	-	< 20 U	45
Backwash Pre-filter	BACKWASH PRE-FILTER-100322	N	-	-	WATER	10/3/2022	< 1.0 U	360	-	72	260
Backwash Pre-filter	BACKWASH PRE-FILTER-101122	N	-	-	WATER	10/11/2022	450	460	-	< 20 U	36
Backwash Pre-filter	BACKWASH PRE-FILTER-101822	N	-	-	WATER	10/18/2022	310	310	-	< 20 U	42
Backwash Pre-filter	BACKWASH PRE-FILTER-102522	N	-	-	WATER	10/25/2022	300	400	-	82	47
Backwash Pre-filter	Backwash Pre-filter-110222	N	-	-	WATER	11/2/2022	270	340	-	< 20 U	55
Backwash Pre-filter	BACKWASH PRE-FILTER-110822	N	-	-	WATER	11/8/2022	280	370	-	48	41
Backwash Pre-filter	BACKWASH PRE-FILTER-111522	N	-	-	WATER	11/15/2022	280	330	-	22	49
CAB_MIXER_606	CAB_MIXER_606-120522	N	-	-	WATER	12/5/2022	-	-	710000	-	-
CAB_MIXER_607	CAB_MIXER_607-120522	N	-	-	WATER	12/5/2022	-	-	870000	-	-
RPWC_EFF	RPWC_EFF-111822	N	-	-	WATER	11/18/2022	410	520	-	< 20 U	31
RPWC_EFF	RPWC_EFF-112922	N	-	-	WATER	11/29/2022	580	700	-	< 20 U	98
RPWC_EFF	RPWC_EFF-120622	N	-	-	WATER	12/6/2022	450	410	-	< 20 U	53
RPWC_EFF	RPWC_EFF-121322	N	-	-	WATER	12/13/2022	460	500	-	< 20 U	65
RPWC_EFF	RPWC_EFF-122022	N	-	-	WATER	12/20/2022	370	410	-	< 20 U	36
RPWC_EFF	RPWC_EFF-122822	N	-	-	GW	12/28/2022	40	200	-	40	1200
RPWC_INF	RPWC_INF-111822	N	-	-	WATER	11/18/2022	410	440	-	< 20 U	27
RPWC_INF	RPWC_INF-112922	N	-	-	WATER	11/29/2022	640	680	-	< 20 U	97
RPWC_INF	RPWC_INF-120622	N	-	-	WATER	12/6/2022	410	640	-	58	51
RPWC_INF	RPWC_INF-121322	N	-	-	WATER	12/13/2022	490	600	-	44	43
RPWC_INF	RPWC_INF-122022	N	-	-	WATER	12/20/2022	380	560	-	< 20 U	35
RPWC_INF	RPWC_INF-122822	N	-	-	GW	12/28/2022	40	230	-	47	1200
RPWC_MID	RPWC_MID-111822	N	-	-	WATER	11/18/2022	380	400	-	< 20 U	26

OMM 2022-Q4 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)	Total organic carbon by method SM 5310 C (mg/L)
Backwash Post-filter	BACKWASH POST-FILTER-100322	N	-	-	WATER	10/3/2022	-	-
Backwash Post-filter	BACKWASH POST-FILTER-101122	N	-	-	WATER	10/11/2022	-	-
Backwash Post-filter	BACKWASH POST-FILTER-101822	N	-	-	WATER	10/18/2022	-	-
Backwash Post-filter	BACKWASH POST-FILTER-102522	N	-	-	WATER	10/25/2022	-	-
Backwash Post-filter	Backwash Post-filter-110222	N	-	-	WATER	11/2/2022	-	-
Backwash Post-filter	BACKWASH POST-FILTER-110822	N	-	-	WATER	11/8/2022	-	-
Backwash Post-filter	BACKWASH POST-FILTER-111522	N	-	-	WATER	11/15/2022	-	-
Backwash Pre-filter	BACKWASH PRE-FILTER-100322	N	-	-	WATER	10/3/2022	-	-
Backwash Pre-filter	BACKWASH PRE-FILTER-101122	N	-	-	WATER	10/11/2022	-	-
Backwash Pre-filter	BACKWASH PRE-FILTER-101822	N	-	-	WATER	10/18/2022	-	-
Backwash Pre-filter	BACKWASH PRE-FILTER-102522	N	-	-	WATER	10/25/2022	-	-
Backwash Pre-filter	Backwash Pre-filter-110222	N	-	-	WATER	11/2/2022	-	-
Backwash Pre-filter	BACKWASH PRE-FILTER-110822	N	-	-	WATER	11/8/2022	-	-
Backwash Pre-filter	BACKWASH PRE-FILTER-111522	N	-	-	WATER	11/15/2022	-	-
CAB_MIXER_606	CAB_MIXER_606-120522	N	-	-	WATER	12/5/2022	470 J	490
CAB_MIXER_607	CAB_MIXER_607-120522	N	-	-	WATER	12/5/2022	720 J	620
RPWC_EFF	RPWC_EFF-111822	N	-	-	WATER	11/18/2022	-	-
RPWC_EFF	RPWC_EFF-112922	N	-	-	WATER	11/29/2022	-	-
RPWC_EFF	RPWC_EFF-120622	N	-	-	WATER	12/6/2022	-	-
RPWC_EFF	RPWC_EFF-121322	N	-	-	WATER	12/13/2022	-	-
RPWC_EFF	RPWC_EFF-122022	N	-	-	WATER	12/20/2022	-	-
RPWC_EFF	RPWC_EFF-122822	N	-	-	GW	12/28/2022	-	-
RPWC_INF	RPWC_INF-111822	N	-	-	WATER	11/18/2022	-	-
RPWC_INF	RPWC_INF-112922	N	-	-	WATER	11/29/2022	-	-
RPWC_INF	RPWC_INF-120622	N	-	-	WATER	12/6/2022	-	-
RPWC_INF	RPWC_INF-121322	N	-	-	WATER	12/13/2022	-	-
RPWC_INF	RPWC_INF-122022	N	-	-	WATER	12/20/2022	-	-
RPWC_INF	RPWC_INF-122822	N	-	-	GW	12/28/2022	-	-
RPWC_MID	RPWC_MID-111822	N	-	-	WATER	11/18/2022	-	-

OMM 2022-Q4 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 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)
RPWC_MID	RPWC_MID-112922	N	-	-	WATER	11/29/2022	520	710	-	21	120
RPWC_MID	RPWC_MID-120622	N	-	-	WATER	12/6/2022	250	330	-	< 20 U	46
RPWC_MID	RPWC_MID-121322	N	-	-	WATER	12/13/2022	330	390	-	< 20 U	97
RPWC_MID	RPWC_MID-122022	N	-	-	WATER	12/20/2022	350	360	-	62	61
RPWC_MID	RPWC_MID-122822	N	-	-	GW	12/28/2022	21	170	-	130	980

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
EPA = Environmental Protection Agency
mg/L = milligrams per liter
N = Normal
SM = standard method
SW = solid waste
U = analyte not detected
- = no entry

OMM 2022-Q4 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)	Total organic carbon by method SM 5310 C (mg/L)
RPWC_MID	RPWC_MID-112922	N	-	-	WATER	11/29/2022	-	-
RPWC_MID	RPWC_MID-120622	N	-	-	WATER	12/6/2022	-	-
RPWC_MID	RPWC_MID-121322	N	-	-	WATER	12/13/2022	-	-
RPWC_MID	RPWC_MID-122022	N	-	-	WATER	12/20/2022	-	-
RPWC_MID	RPWC_MID-122822	N	-	-	GW	12/28/2022	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected
- = no entry

OMM 2023-Q1 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 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-011023	N	-	-	WATER	1/10/2023	1.8	22	< 20 U	290
RPWC_EFF	RPWC_EFF-011823	N	-	-	WATER	1/18/2023	< 0.40 U	71	1300	170
RPWC_EFF	RPWC_EFF-012523	N	-	-	WATER	1/25/2023	< 0.40 U	72	2100	1300
RPWC_EFF	RPWC_EFF-020123	N	-	-	WATER	2/1/2023	< 0.20 U	130	610	390
RPWC_EFF	RPWC_EFF-020823	N	-	-	WATER	2/8/2023	< 0.20 U	230	1000	600
RPWC_EFF	RPWC_EFF-021523	N	-	-	WATER	2/15/2023	< 0.20 U	120	990	600
RPWC_EFF	RPWC_EFF-022223	N	-	-	WATER	2/22/2023	6.7	40	240	58
RPWC_EFF	RPWC_EFF-030123	N	-	-	WATER	3/1/2023	< 0.20 U	110	98	320
RPWC_EFF	RPWC_EFF-030823	N	-	-	WATER	3/8/2023	< 0.20 U	130	3200	1600
RPWC_INF	RPWC_INF-011023	N	-	-	WATER	1/10/2023	1.7	33	< 20 U	310
RPWC_INF	RPWC_INF-011823	N	-	-	WATER	1/18/2023	< 0.40 U	120	970	210
RPWC_INF	RPWC_INF-012523	N	-	-	WATER	1/25/2023	< 0.40 U	200	2100	1400
RPWC_INF	RPWC_INF-020123	N	-	-	WATER	2/1/2023	< 0.20 U	160	650	420
RPWC_INF	RPWC_INF-020823	N	-	-	WATER	2/8/2023	< 0.20 U	220	300	680
RPWC_INF	RPWC_INF-021523	N	-	-	WATER	2/15/2023	< 0.20 U	160	970	700
RPWC_INF	RPWC_INF-022223	N	-	-	WATER	2/22/2023	28	110	210	33
RPWC_INF	RPWC_INF-030123	N	-	-	WATER	3/1/2023	< 0.20 U	170	44	350
RPWC_INF	RPWC_INF-030823	N	-	-	WATER	3/8/2023	< 0.20 U	220	3200	1700
RPWC_MID	RPWC_MID-011023	N	-	-	WATER	1/10/2023	1.9	22	58	330
RPWC_MID	RPWC_MID-011823	N	-	-	WATER	1/18/2023	< 0.40 U	55	940	310
RPWC_MID	RPWC_MID-012523	N	-	-	WATER	1/25/2023	< 0.40 U	58	2100	1200
RPWC_MID	RPWC_MID-020123	N	-	-	WATER	2/1/2023	< 1.0 U	2.9	1200	500
RPWC_MID	RPWC_MID-020823	N	-	-	WATER	2/8/2023	< 0.20 U	31	< 20 U	190
RPWC_MID	RPWC_MID-021523	N	-	-	WATER	2/15/2023	< 0.20 U	130	550	660
RPWC_MID	RPWC_MID-022223	N	-	-	WATER	2/22/2023	2.2	33	290	75
RPWC_MID	RPWC_MID-030123	N	-	-	WATER	3/1/2023	< 1.0 U	82	94	260
RPWC_MID	RPWC_MID-030823	N	-	-	WATER	3/8/2023	< 0.20 U	55	1600	1400

Notes:
All samples were sent to Asset Laboratories.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:
µg/L = micrograms per liter
EPA = Environmental Protection Agency
mg/L = milligrams per liter
N = Normal
SW = solid waste
U = analyte not detected
- = no entry

PCM 2022-10 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)	Ethanol by method SW 8260B (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-09-100-1022	N	EP	-	GW	10/11/2022	-	-	17	-	< 20 U	< 20 U	0.94 J
IRZ-13D-210	IRZ-13D-210-1022	N	EP	-	GW	10/11/2022	-	-	410	-	< 20 U	< 20 U	< 0.50 UJ
IRZ-13S-095	IRZ-13S-095-1022	N	EP	-	GW	10/11/2022	-	-	29	-	< 20 U	< 20 U	< 0.50 UJ
IRZ-23-143	IRZ-23-143-1022	N	EP	-	GW	10/11/2022	-	-	650	-	110	< 20 U	< 0.50 UJ
MW-20-070	MW-20-070-1022	N	LF	-	GW	10/12/2022	0.92	43 J	890	-	-	< 20 U	< 0.50 UJ
MW-20-100	MW-20-100-1022	N	LF	-	GW	10/12/2022	< 0.10 U	67 J	1700	-	-	< 20 U	< 0.50 UJ
MW-20-130	MW-20-130-1022	N	LF	-	GW	10/12/2022	< 0.10 U	28 J	1800	-	-	< 20 U	4 J
MW-26	MW-26-1022	N	LF	-	GW	10/13/2022	< 0.10 U	80 J	7	< 200 U	-	< 20 UJ	220
MW-30-050	MW-30-050-1022	N	LF	-	GW	10/11/2022	2.5 J	16 J	< 0.20 U	-	-	27 J	370 J
MW-31-060	MW-31-060-1022	N	LF	-	GW	10/12/2022	< 0.10 U	91 J	< 1.0 U	23000	-	79	690 J
MW-31-135	MW-31-135-1022	N	LF	-	GW	10/12/2022	< 0.10 U	40 J	17	-	-	< 20 U	3.5 J
MW-34-080	MW-34-080-1022	N	LF	-	GW	10/12/2022	< 0.10 U	39 J	< 1.0 U	-	-	410	150 J
MW-36-090	MW-36-090-1022	N	LF	-	GW	10/12/2022	1.3	48 J	< 0.20 U	-	-	140	160 J
MW-36-100	MW-36-100-1022	N	LF	-	GW	10/12/2022	3.4	61 J	< 0.20 U	-	-	710	590 J
MW-39-040	MW-39-040-1022	N	LF	-	GW	10/11/2022	14 J	61 J	< 0.20 U	-	-	220 J	100 J
MW-39-050	MW-39-050-1022	N	LF	-	GW	10/11/2022	1.6 J	42 J	< 0.20 U	-	-	< 20 U	220 J
MW-39-060	MW-39-060-1022	N	LF	-	GW	10/11/2022	1.5 J	38 J	< 0.20 U	-	-	32 J	250 J
MW-39-070	MW-39-070-1022	N	LF	-	GW	10/11/2022	0.97 J	45 J	< 0.20 U	-	-	< 20 UJ	18 J
MW-39-070	MW-906-Q422	FD	-	MW-39-070-1022	GW	10/11/2022	1.1 J	45 J	< 0.20 U	-	-	190 J	19 J
MW-39-080	MW-39-080-1022	N	LF	-	GW	10/11/2022	< 0.10 UJ	27 J	13	-	-	< 20 U	5.8 J
MW-39-100	MW-39-100-1022	N	LF	-	GW	10/11/2022	< 0.10 UJ	35 J	310	-	-	< 20 U	12 J
MW-44-115	MW-44-115-1022	N	LF	-	GW	10/11/2022	1.5 J	21 J	1.1	-	-	< 20 U	17 J
MW-44-125	MW-44-125-1022	N	LF	-	GW	10/11/2022	1.7 J	48 J	< 1.0 U	-	-	400 J	550 J
MW-45-095A	MW-45-095A-1022	N	LF	-	GW	10/12/2022	< 0.10 U	31 J	< 1.0 U	-	-	< 20 U	360 J
MW-51	MW-51-1022	N	LF	-	GW	10/13/2022	1.3 J	91 J	720	< 200 U	-	40 J	40 J
MW-51	MW-907-Q422	FD	-	MW-51-1022	GW	10/13/2022	3.5 J	84 J	720	< 200 U	-	21 J	29 J
MW-71-035	MW-71-035-1022	N	LF	-	GW	10/12/2022	< 0.10 U	50 J	< 1.0 U	-	-	< 20 U	120 J
MW-76-039	MW-76-039-1022	N	LF	-	GW	10/10/2022	< 0.10 U	54	180	-	-	< 20 U	< 0.50 UJ
MW-76-156	MW-76-156-1022	N	LF	-	GW	10/10/2022	< 0.10 U	98	< 1.0 U	-	-	240	1300 J
MW-76-181	MW-76-181-1022	N	LF	-	GW	10/10/2022	< 0.10 U	56	1100	-	-	< 20 U	49 J
MW-76-218	MW-76-218-1022	N	LF	-	GW	10/10/2022	< 0.10 U	78	< 1.0 U	-	-	< 20 U	470 J
MW-77-046	MW-77-046-1022	N	LF	-	GW	10/10/2022	2.5	56	< 0.20 U	-	-	< 20 U	600 J
MW-77-102	MW-77-102-1022	N	LF	-	GW	10/10/2022	< 0.10 U	56	< 1.0 U	-	-	< 20 U	100 J
MW-77-158	MW-77-158-1022	N	LF	-	GW	10/10/2022	0.65	30	< 0.20 U	-	-	23	27 J
MW-77-187	MW-77-187-1022	N	LF	-	GW	10/10/2022	2.2	24	33	-	-	< 20 U	9 J
MW-78-070	MW-78-070-1022	N	LF	-	GW	10/13/2022	< 0.10 U	160 J	14	-	-	< 20 UJ	620
MW-78-142	MW-78-142-1022	N	LF	-	GW	10/13/2022	4.2	30 J	4500	-	-	< 20 UJ	1.4
MW-79-058	MW-79-058-1022	N	LF	-	GW	10/13/2022	< 0.10 U	280 J	350	-	-	< 20 UJ	< 0.50 U
MW-79-102	MW-79-102-1022	N	LF	-	GW	10/13/2022	1	45 J	170	-	-	< 20 UJ	3
MW-80-057	MW-80-057-1022	N	LF	-	GW	10/13/2022	< 0.10 U	83 J	640	-	-	< 20 UJ	10
MW-80-082	MW-80-082-1022	N	LF	-	GW	10/13/2022	2.5	46 J	20	-	-	< 20 UJ	0.97
MW-80-082	MW-908-Q422	FD	-	MW-80-082-1022	GW	10/13/2022	2.6	44 J	20	-	-	< 20 UJ	0.93
MW-81-043	MW-81-043-1022	N	LF	-	GW	10/11/2022	3.3 J	76 J	13	-	-	46 J	41 J

PCM 2022-10 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 B (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
IRZ-09-100	IRZ-09-100-1022	N	EP	-	GW	10/11/2022	1.6	480	-	< 1.0 U
IRZ-13D-210	IRZ-13D-210-1022	N	EP	-	GW	10/11/2022	1.8	910	-	< 1.0 U
IRZ-13S-095	IRZ-13S-095-1022	N	EP	-	GW	10/11/2022	1.8	460	-	< 1.0 U
IRZ-23-143	IRZ-23-143-1022	N	EP	-	GW	10/11/2022	4	470	-	< 1.0 U
MW-20-070	MW-20-070-1022	N	LF	-	GW	10/12/2022	31	550	-	< 1.0 U
MW-20-100	MW-20-100-1022	N	LF	-	GW	10/12/2022	8.2	660	-	< 1.0 U
MW-20-130	MW-20-130-1022	N	LF	-	GW	10/12/2022	7.6	1200	-	< 1.0 U
MW-26	MW-26-1022	N	LF	-	GW	10/13/2022	< 0.50 U	510	2.4 J	< 20 U
MW-30-050	MW-30-050-1022	N	LF	-	GW	10/11/2022	< 0.25 U	200	-	< 1.0 U
MW-31-060	MW-31-060-1022	N	LF	-	GW	10/12/2022	< 0.50 U	520	25	< 50 U
MW-31-135	MW-31-135-1022	N	LF	-	GW	10/12/2022	0.79	640	-	< 1.0 U
MW-34-080	MW-34-080-1022	N	LF	-	GW	10/12/2022	< 0.50 U	640	-	< 1.0 U
MW-36-090	MW-36-090-1022	N	LF	-	GW	10/12/2022	< 0.50 U	290	-	< 1.0 U
MW-36-100	MW-36-100-1022	N	LF	-	GW	10/12/2022	< 0.50 U	400	-	< 1.0 U
MW-39-040	MW-39-040-1022	N	LF	-	GW	10/11/2022	< 0.25 U	120	-	2.9
MW-39-050	MW-39-050-1022	N	LF	-	GW	10/11/2022	< 0.25 U	190	-	< 1.0 U
MW-39-060	MW-39-060-1022	N	LF	-	GW	10/11/2022	< 0.50 U	210	-	< 1.0 U
MW-39-070	MW-39-070-1022	N	LF	-	GW	10/11/2022	< 0.50 U	280	-	< 1.0 U
MW-39-070	MW-906-Q422	FD	-	MW-39-070-1022	GW	10/11/2022	< 0.50 U	280	-	< 1.0 U
MW-39-080	MW-39-080-1022	N	LF	-	GW	10/11/2022	< 0.50 U	590	-	< 1.0 U
MW-39-100	MW-39-100-1022	N	LF	-	GW	10/11/2022	< 0.50 U	1000	-	< 1.0 U
MW-44-115	MW-44-115-1022	N	LF	-	GW	10/11/2022	< 0.50 U	1000	-	< 1.0 U
MW-44-125	MW-44-125-1022	N	LF	-	GW	10/11/2022	< 0.50 U	1100	-	< 1.0 U
MW-45-095A	MW-45-095A-1022	N	LF	-	GW	10/12/2022	< 0.50 U	430	-	< 1.0 U
MW-51	MW-51-1022	N	LF	-	GW	10/13/2022	2.2	460	< 1.0 UJ	< 20 U
MW-51	MW-907-Q422	FD	-	MW-51-1022	GW	10/13/2022	2.1	500	4.6 J	< 1.0 U
MW-71-035	MW-71-035-1022	N	LF	-	GW	10/12/2022	0.5	1200	-	< 1.0 U
MW-76-039	MW-76-039-1022	N	LF	-	GW	10/10/2022	3.2	220	-	< 1.0 U
MW-76-156	MW-76-156-1022	N	LF	-	GW	10/10/2022	< 0.50 U	660	-	< 1.0 U
MW-76-181	MW-76-181-1022	N	LF	-	GW	10/10/2022	1.5	940	-	< 1.0 U
MW-76-218	MW-76-218-1022	N	LF	-	GW	10/10/2022	< 0.50 U	650	-	< 1.0 U
MW-77-046	MW-77-046-1022	N	LF	-	GW	10/10/2022	< 0.50 U	420	-	< 1.0 U
MW-77-102	MW-77-102-1022	N	LF	-	GW	10/10/2022	1.1	710	-	< 1.0 U
MW-77-158	MW-77-158-1022	N	LF	-	GW	10/10/2022	< 0.50 U	550	-	< 1.0 U
MW-77-187	MW-77-187-1022	N	LF	-	GW	10/10/2022	0.57	740	-	< 1.0 U
MW-78-070	MW-78-070-1022	N	LF	-	GW	10/13/2022	< 0.50 U	530	-	< 1.0 U
MW-78-142	MW-78-142-1022	N	LF	-	GW	10/13/2022	6	760	-	< 1.0 U
MW-79-058	MW-79-058-1022	N	LF	-	GW	10/13/2022	0.73	560	-	< 1.0 U
MW-79-102	MW-79-102-1022	N	LF	-	GW	10/13/2022	< 0.50 U	550	-	< 1.0 U
MW-80-057	MW-80-057-1022	N	LF	-	GW	10/13/2022	6.3	510	-	< 1.0 U
MW-80-082	MW-80-082-1022	N	LF	-	GW	10/13/2022	< 0.50 U	530	-	< 1.0 U
MW-80-082	MW-908-Q422	FD	-	MW-80-082-1022	GW	10/13/2022	< 0.50 U	540	-	< 1.0 U
MW-81-043	MW-81-043-1022	N	LF	-	GW	10/11/2022	1.3	300	-	< 1.0 U

PCM 2022-10 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)	Ethanol by method SW 8260B (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)
MW-81-098	MW-81-098-1022	N	LF	-	GW	10/11/2022	< 0.10 UJ	59 J	1.5	-	-	43 J	160 J
MW-82-046	MW-82-046-1022	N	LF	-	GW	10/11/2022	21 J	59 J	< 1.0 U	-	-	6100 J	240 J
MW-82-112	MW-82-112-1022	N	LF	-	GW	10/11/2022	-	59 J	< 1.0 U	-	-	< 20 U	150 J
MW-82-112	MW-909-Q422	FD	-	MW-82-112-1022	GW	10/11/2022	< 0.10 UJ	61 J	< 1.0 U	-	-	< 20 U	150 J
MW-82-168	MW-82-168-1022	N	LF	-	GW	10/11/2022	< 0.10 UJ	35 J	< 1.0 U	-	-	49 J	38 J
MW-82-168	MW-910-Q422	FD	-	MW-82-168-1022	GW	10/11/2022	< 0.10 UJ	31 J	< 1.0 U	-	-	43 J	33 J
MW-82-198	MW-82-198-1022	N	LF	-	GW	10/11/2022	< 0.10 UJ	36 J	2.6	-	-	20 J	67 J
TW-02D	TW-02D-1022	N	3V	-	GW	10/12/2022	2.3	22 J	100	-	-	< 20 U	5.2 J
TW-02S	TW-02S-1022	N	3V	-	GW	10/12/2022	0.49	160 J	130	-	-	< 20 U	< 0.50 UJ
TW-03D	TW-03D-1022	N	3V	-	GW	10/12/2022	3.3	25 J	370	-	-	< 20 U	41 J

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs.
< = 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
J = estimated value
LF = low flow
mg/L = milligrams per liter
N = Normal
SM = standard method
SW = solid waste
U = analyte not detected

PCM 2022-10 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 B (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
MW-81-098	MW-81-098-1022	N	LF	-	GW	10/11/2022	0.81	740	-	< 1.0 U
MW-82-046	MW-82-046-1022	N	LF	-	GW	10/11/2022	< 0.50 U	1500	-	1.9
MW-82-112	MW-82-112-1022	N	LF	-	GW	10/11/2022	1	740	-	< 1.0 U
MW-82-112	MW-909-Q422	FD	-	MW-82-112-1022	GW	10/11/2022	1.1	730	-	< 1.0 U
MW-82-168	MW-82-168-1022	N	LF	-	GW	10/11/2022	< 0.50 U	560	-	< 1.0 U
MW-82-168	MW-910-Q422	FD	-	MW-82-168-1022	GW	10/11/2022	< 0.50 U	540	-	< 1.0 U
MW-82-198	MW-82-198-1022	N	LF	-	GW	10/11/2022	1.2	890	-	< 1.0 U
TW-02D	TW-02D-1022	N	3V	-	GW	10/12/2022	< 0.50 U	690	-	< 1.0 U
TW-02S	TW-02S-1022	N	3V	-	GW	10/12/2022	1.7	300	-	< 1.0 U
TW-03D	TW-03D-1022	N	3V	-	GW	10/12/2022	0.55	710	-	< 1.0 U

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs.
< = 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
J = estimated value
LF = low flow
mg/L = milligrams per liter
N = Normal
SM = standard method
SW = solid waste
U = analyte not detected

PCM 2022-11 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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
IRZ-09-100	IRZ-09-100-Q422	N	EP	-	GW	11/15/2022	-	-	-	17	-	< 20 U	< 20 U
IRZ-13D-210	IRZ-13D-210-Q422	N	EP	-	GW	11/15/2022	-	-	-	410	-	35	< 20 U
IRZ-13S-095	IRZ-13S-095-Q422	N	EP	-	GW	11/15/2022	-	-	-	32	-	< 20 U	< 20 U
IRZ-23-143	IRZ-23-143-Q422	N	EP	-	GW	11/15/2022	-	-	-	660	-	44	25
MW-20-070	MW-20-070-Q422	N	LF	-	GW	11/9/2022	< 0.44 UJ	1.4	42	1200	1200	-	< 20 U
MW-20-070	MW-913-Q422	FD	-	MW-20-070-Q422	GW	11/9/2022	< 0.44 UJ	1.2	39	1200	1300	-	< 20 U
MW-20-100	MW-20-100-Q422	N	LF	-	GW	11/9/2022	< 0.44 UJ	0.55	45	1700	1900	-	< 20 U
MW-20-130	MW-20-130-Q422	N	LF	-	GW	11/9/2022	< 0.44 UJ	0.41	54	3500	3600	-	< 20 U
MW-21	MW-21-Q422	N	LF	-	GW	11/15/2022	0.48 J	14 J	22 J	< 0.20 U	2.2	-	120
MW-21	MW-914-Q422	FD	-	MW-21-Q422	GW	11/15/2022	< 0.43 UJ	14 J	23 J	< 0.20 U	2.3	-	130
MW-22	MW-22-Q422	N	LF	MW-22-Q422	GW	11/16/2022	-	16	130	< 1.0 U	< 1.0 U	-	17000
MW-26	MW-26-Q422	N	LF	-	GW	11/11/2022	0.63 J	< 0.10 U	81 J	28	28	-	< 20 U
MW-27-020	MW-27-020-Q422	N	LF	-	GW	11/9/2022	-	0.75	63	< 0.20 U	< 1.0 U	-	< 20 U
MW-27-060	MW-27-060-Q422	N	LF	-	GW	11/9/2022	-	7.6	66	< 0.20 U	< 1.0 U	-	380
MW-27-085	MW-27-085-Q422	N	LF	-	GW	11/9/2022	-	< 0.10 U	50	< 1.0 U	< 1.0 U	-	290
MW-28-025	MW-28-025-Q422	N	LF	-	GW	11/16/2022	-	0.54	69	< 0.20 U	< 1.0 U	-	< 20 U
MW-28-090	MW-28-090-Q422	N	LF	-	GW	11/16/2022	-	0.69	32	< 0.20 U	< 1.0 U	-	1300
MW-29	MW-29-Q422	N	LF	-	GW	11/16/2022	-	-	-	< 0.20 U	< 1.0 U	-	-
MW-30-030	MW-30-030-Q422	N	LF	-	GW	11/8/2022	-	0.64	310	< 0.20 U	< 1.0 U	-	570 J
MW-30-050	MW-30-050-Q422	N	LF	-	GW	11/8/2022	-	3	19	< 0.20 U	< 1.0 U	-	67 J
MW-31-060	MW-31-060-Q422	N	LF	-	GW	11/9/2022	0.75 J	1.3	160	< 1.0 U	5.5	-	< 20 UJ
MW-31-060	MW-915-Q422	FD	-	MW-31-060-Q422	GW	11/9/2022	0.47 J	1.4	160	< 1.0 U	5.3	-	60 J
MW-31-135	MW-31-135-Q422	N	LF	-	GW	11/9/2022	< 0.43 UJ	< 0.10 U	58	< 1.0 U	1.5	-	530
MW-32-020	MW-32-020-Q422	N	LF	-	GW	11/10/2022	-	< 0.50 U	110	< 1.0 U	< 5.0 U	-	5400
MW-32-035	MW-32-035-Q422	N	LF	-	GW	11/10/2022	-	20	380	< 0.20 U	< 1.0 U	-	13000
MW-33-040	MW-33-040-Q422	N	LF	-	GW	11/17/2022	-	-	-	< 1.0 U	< 1.0 U	-	-
MW-33-090	MW-33-090-Q422	N	LF	-	GW	11/17/2022	-	-	-	5.4	5	-	-
MW-33-150	MW-33-150-Q422	N	LF	-	GW	11/17/2022	-	-	-	5.2	6.9	-	-
MW-33-210	MW-33-210-Q422	N	LF	-	GW	11/17/2022	-	-	-	12	11	-	-
MW-34-055	MW-34-055-Q422	N	LF	-	GW	11/9/2022	-	3.7	28	< 0.20 U	< 1.0 U	-	52
MW-34-080	MW-34-080-Q422	N	LF	-	GW	11/9/2022	-	< 0.10 U	39	< 1.0 U	< 1.0 U	-	350
MW-34-100	MW-34-100-Q422	N	LF	-	GW	11/9/2022	-	< 0.10 U	20	< 1.0 U	< 1.0 U	-	< 20 U
MW-35-060	MW-35-060-Q422	N	LF	-	GW	11/17/2022	-	-	-	20	19	-	-
MW-35-135	MW-35-135-Q422	N	LF	-	GW	11/17/2022	-	-	-	0.51	2.6	-	-
MW-36-020	MW-36-020-Q422	N	LF	-	GW	11/10/2022	-	0.56	170	< 0.20 U	< 1.0 U	-	3300
MW-36-040	MW-36-040-Q422	N	LF	-	GW	11/10/2022	-	6.2	49	< 0.20 U	< 1.0 U	-	410
MW-36-050	MW-36-050-Q422	N	LF	-	GW	11/10/2022	-	4.8	26	< 0.20 U	< 1.0 U	-	200
MW-36-070	MW-36-070-Q422	N	LF	-	GW	11/10/2022	-	2.2	39	< 0.20 U	< 1.0 U	-	48
MW-36-090	MW-36-090-Q422	N	LF	-	GW	11/10/2022	-	2.1	41	< 0.20 U	< 1.0 U	-	52
MW-36-100	MW-36-100-Q422	N	LF	-	GW	11/10/2022	-	3.9	54	< 0.20 U	< 1.0 U	-	790
MW-39-040	MW-39-040-Q422	N	LF	-	GW	11/8/2022	-	13	63	< 0.20 U	< 1.0 U	-	260 J
MW-39-050	MW-39-050-Q422	N	LF	-	GW	11/8/2022	-	1.7	46	< 0.20 U	< 1.0 U	-	34 J
MW-39-060	MW-39-060-Q422	N	LF	-	GW	11/8/2022	-	1.5	41	< 0.20 U	< 1.0 U	-	41 J

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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)	Sulfate by method EPA 300.0 (mg/L)
IRZ-09-100	IRZ-09-100-Q422	N	EP	-	GW	11/15/2022	1.7	-	1.7	-	-	-	430
IRZ-13D-210	IRZ-13D-210-Q422	N	EP	-	GW	11/15/2022	0.99	-	1.9	-	-	-	860
IRZ-13S-095	IRZ-13S-095-Q422	N	EP	-	GW	11/15/2022	< 0.50 U	-	1.8	-	-	-	410
IRZ-23-143	IRZ-23-143-Q422	N	EP	-	GW	11/15/2022	< 0.50 U	-	4.1	-	-	-	440
MW-20-070	MW-20-070-Q422	N	LF	-	GW	11/9/2022	< 0.50 U	18	30	-	< 10 U	28	580
MW-20-070	MW-913-Q422	FD	-	MW-20-070-Q422	GW	11/9/2022	< 0.50 U	17	32	-	< 5.0 U	27	560
MW-20-100	MW-20-100-Q422	N	LF	-	GW	11/9/2022	< 0.50 U	1.9	8.5	-	< 5.0 U	15	600
MW-20-130	MW-20-130-Q422	N	LF	-	GW	11/9/2022	7.8	18	14	-	< 5.0 U	44	1000
MW-21	MW-21-Q422	N	LF	-	GW	11/15/2022	170	100	< 0.50 U	-	< 5.0 U	5.9	1300
MW-21	MW-914-Q422	FD	-	MW-21-Q422	GW	11/15/2022	170	100	< 0.50 U	-	< 5.0 U	5.8	1300
MW-22	MW-22-Q422	N	LF	MW-22-Q422	GW	11/16/2022	3800 J	36	< 0.50 U	0.07	-	< 0.50 U	-
MW-26	MW-26-Q422	N	LF	-	GW	11/11/2022	140	4.5	< 0.50 U	-	< 5.0 U	< 0.50 U	470
MW-27-020	MW-27-020-Q422	N	LF	-	GW	11/9/2022	75	5.1	0.25 U	-	-	< 0.50 U	-
MW-27-060	MW-27-060-Q422	N	LF	-	GW	11/9/2022	240	4	0.25 U	< 0.050 U	-	< 0.50 U	-
MW-27-085	MW-27-085-Q422	N	LF	-	GW	11/9/2022	300	25	< 0.25 U	< 0.050 U	-	< 0.50 U	-
MW-28-025	MW-28-025-Q422	N	LF	-	GW	11/16/2022	12 J	5.1	< 0.25 U	-	-	1.4	-
MW-28-090	MW-28-090-Q422	N	LF	-	GW	11/16/2022	440 J	23	< 0.50 U	-	-	< 0.50 U	-
MW-29	MW-29-Q422	N	LF	-	GW	11/16/2022	-	-	-	-	-	-	-
MW-30-030	MW-30-030-Q422	N	LF	-	GW	11/8/2022	170 J	40 J	< 0.25 U	-	-	0.63	-
MW-30-050	MW-30-050-Q422	N	LF	-	GW	11/8/2022	420 J	5.6 J	< 0.25 U	-	-	< 0.50 U	200
MW-31-060	MW-31-060-Q422	N	LF	-	GW	11/9/2022	1700	1.2	< 0.50 U	-	< 5.0 U	< 0.50 U	420
MW-31-060	MW-915-Q422	FD	-	MW-31-060-Q422	GW	11/9/2022	1700	1.1	< 0.50 U	-	< 5.0 U	< 0.50 U	440
MW-31-135	MW-31-135-Q422	N	LF	-	GW	11/9/2022	160	45	< 0.50 U	-	< 5.0 U	< 0.50 U	530
MW-32-020	MW-32-020-Q422	N	LF	-	GW	11/10/2022	300	120	< 0.50 U	-	-	< 2.5 U	-
MW-32-035	MW-32-035-Q422	N	LF	-	GW	11/10/2022	830	13	< 0.50 U	0.02 J	-	< 0.50 U	-
MW-33-040	MW-33-040-Q422	N	LF	-	GW	11/17/2022	-	340	0.38	0.45	-	1.8	-
MW-33-090	MW-33-090-Q422	N	LF	-	GW	11/17/2022	-	8.8	0.98	1.12	-	< 0.50 U	-
MW-33-150	MW-33-150-Q422	N	LF	-	GW	11/17/2022	-	37	1.7	1.89	-	0.73	-
MW-33-210	MW-33-210-Q422	N	LF	-	GW	11/17/2022	-	-	-	-	-	-	-
MW-34-055	MW-34-055-Q422	N	LF	-	GW	11/9/2022	110	4.1	0.25 U	< 0.050 U	-	< 0.50 U	-
MW-34-080	MW-34-080-Q422	N	LF	-	GW	11/9/2022	200	16	0.5 U	-	-	< 0.50 U	670
MW-34-100	MW-34-100-Q422	N	LF	-	GW	11/9/2022	85	47	0.25 U	< 0.050 U	-	< 0.50 U	-
MW-35-060	MW-35-060-Q422	N	LF	-	GW	11/17/2022	-	9.2	2.1	2.35	-	0.98	-
MW-35-135	MW-35-135-Q422	N	LF	-	GW	11/17/2022	-	9.2	2.3	2.45	-	< 0.50 U	-
MW-36-020	MW-36-020-Q422	N	LF	-	GW	11/10/2022	450	14	< 0.25 U	-	-	< 0.50 U	-
MW-36-040	MW-36-040-Q422	N	LF	-	GW	11/10/2022	150	4.5	< 0.25 U	< 0.050 U	-	< 0.50 U	-
MW-36-050	MW-36-050-Q422	N	LF	-	GW	11/10/2022	230	4.2	< 0.25 U	-	-	< 0.50 U	-
MW-36-070	MW-36-070-Q422	N	LF	-	GW	11/10/2022	320	5.2	< 0.25 U	-	-	< 0.50 U	-
MW-36-090	MW-36-090-Q422	N	LF	-	GW	11/10/2022	130	5.3	< 0.50 U	-	-	< 0.50 U	250
MW-36-100	MW-36-100-Q422	N	LF	-	GW	11/10/2022	510	13	< 0.50 U	< 0.050 U	-	< 0.50 U	390
MW-39-040	MW-39-040-Q422	N	LF	-	GW	11/8/2022	87 J	8.9 J	< 0.25 U	-	-	< 0.50 U	120
MW-39-050	MW-39-050-Q422	N	LF	-	GW	11/8/2022	270 J	4.9 J	< 0.25 U	-	-	< 0.50 U	190
MW-39-060	MW-39-060-Q422	N	LF	-	GW	11/8/2022	240 J	6.6 J	< 0.50 U	-	-	< 0.50 U	220

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by method SM 5310 C (mg/L)
IRZ-09-100	IRZ-09-100-Q422	N	EP	-	GW	11/15/2022	< 1.0 U
IRZ-13D-210	IRZ-13D-210-Q422	N	EP	-	GW	11/15/2022	< 1.0 U
IRZ-13S-095	IRZ-13S-095-Q422	N	EP	-	GW	11/15/2022	< 1.0 U
IRZ-23-143	IRZ-23-143-Q422	N	EP	-	GW	11/15/2022	< 1.0 U
MW-20-070	MW-20-070-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-20-070	MW-913-Q422	FD	-	MW-20-070-Q422	GW	11/9/2022	< 1.0 U
MW-20-100	MW-20-100-Q422	N	LF	-	GW	11/9/2022	< 10 U
MW-20-130	MW-20-130-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-21	MW-21-Q422	N	LF	-	GW	11/15/2022	< 10 U
MW-21	MW-914-Q422	FD	-	MW-21-Q422	GW	11/15/2022	< 1.0 U
MW-22	MW-22-Q422	N	LF	MW-22-Q422	GW	11/16/2022	1.3
MW-26	MW-26-Q422	N	LF	-	GW	11/11/2022	< 1.0 U
MW-27-020	MW-27-020-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-27-060	MW-27-060-Q422	N	LF	-	GW	11/9/2022	1.2
MW-27-085	MW-27-085-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-28-025	MW-28-025-Q422	N	LF	-	GW	11/16/2022	< 1.0 U
MW-28-090	MW-28-090-Q422	N	LF	-	GW	11/16/2022	< 1.0 U
MW-29	MW-29-Q422	N	LF	-	GW	11/16/2022	-
MW-30-030	MW-30-030-Q422	N	LF	-	GW	11/8/2022	3.2
MW-30-050	MW-30-050-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-31-060	MW-31-060-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-31-060	MW-915-Q422	FD	-	MW-31-060-Q422	GW	11/9/2022	< 1.0 U
MW-31-135	MW-31-135-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-32-020	MW-32-020-Q422	N	LF	-	GW	11/10/2022	3.7
MW-32-035	MW-32-035-Q422	N	LF	-	GW	11/10/2022	1.8
MW-33-040	MW-33-040-Q422	N	LF	-	GW	11/17/2022	-
MW-33-090	MW-33-090-Q422	N	LF	-	GW	11/17/2022	-
MW-33-150	MW-33-150-Q422	N	LF	-	GW	11/17/2022	-
MW-33-210	MW-33-210-Q422	N	LF	-	GW	11/17/2022	-
MW-34-055	MW-34-055-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-34-080	MW-34-080-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-34-100	MW-34-100-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-35-060	MW-35-060-Q422	N	LF	-	GW	11/17/2022	-
MW-35-135	MW-35-135-Q422	N	LF	-	GW	11/17/2022	-
MW-36-020	MW-36-020-Q422	N	LF	-	GW	11/10/2022	1.7
MW-36-040	MW-36-040-Q422	N	LF	-	GW	11/10/2022	2.3
MW-36-050	MW-36-050-Q422	N	LF	-	GW	11/10/2022	1.2
MW-36-070	MW-36-070-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-36-090	MW-36-090-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-36-100	MW-36-100-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-39-040	MW-39-040-Q422	N	LF	-	GW	11/8/2022	3.1
MW-39-050	MW-39-050-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-39-060	MW-39-060-Q422	N	LF	-	GW	11/8/2022	< 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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-39-070	MW-39-070-Q422	N	LF	-	GW	11/8/2022	-	1.2	47	< 0.20 U	< 1.0 U	-	< 20 UJ
MW-39-080	MW-39-080-Q422	N	LF	-	GW	11/8/2022	-	0.69	26	23	21	-	< 20 UJ
MW-39-100	MW-39-100-Q422	N	LF	-	GW	11/8/2022	-	< 0.10 U	30	260	300	-	< 20 UJ
MW-42-030	MW-42-030-Q422	N	LF	-	GW	11/10/2022	-	1.6	130	< 0.20 U	< 1.0 U	-	590
MW-42-055	MW-42-055-Q422	N	LF	-	GW	11/10/2022	-	12	150	< 0.20 U	< 1.0 U	-	210
MW-42-065	MW-42-065-Q422	N	LF	-	GW	11/10/2022	-	4	140	< 0.20 U	< 1.0 U	-	810
MW-43-025	MW-43-025-Q422	N	LF	-	GW	11/17/2022	-	32 J	83	< 0.20 U	< 1.0 U	-	5200 J
MW-43-075	MW-43-075-Q422	N	LF	-	GW	11/17/2022	-	8.5 J	55	< 1.0 U	< 1.0 U	-	3000 J
MW-43-090	MW-43-090-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	52	< 0.20 U	< 1.0 U	-	940 J
MW-44-070	MW-44-070-Q422	N	LF	-	GW	11/8/2022	-	3.2	38	< 0.20 U	< 1.0 U	-	890 J
MW-44-115	MW-44-115-Q422	N	LF	-	GW	11/8/2022	-	2	19	1	1.5	-	< 20 UJ
MW-44-125	MW-44-125-Q422	N	LF	-	GW	11/8/2022	-	2.5	44	< 1.0 U	< 1.0 U	-	370 J
MW-45-095A	MW-45-095A-Q422	N	LF	-	GW	11/9/2022	-	0.94	34	< 1.0 U	< 1.0 U	-	< 20 U
MW-46-175	MW-46-175-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	26	8.7	8.1	-	< 20 UJ
MW-46-205	MW-46-205-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	32	< 1.0 U	< 1.0 U	-	< 20 UJ
MW-47-055	MW-47-055-Q422	N	LF	-	GW	11/14/2022	-	-	-	17	16	-	-
MW-47-115	MW-47-115-Q422	N	LF	-	GW	11/14/2022	-	-	-	18	17	-	-
MW-49-135	MW-49-135-Q422	N	LF	-	GW	11/16/2022	-	-	-	2.8	2.9	-	-
MW-49-275	MW-49-275-Q422	N	LF	-	GW	11/16/2022	-	-	-	< 1.0 U	< 1.0 U	-	-
MW-49-365	MW-49-365-Q422	N	LF	-	GW	11/16/2022	-	-	-	< 1.0 U	< 1.0 U	-	-
MW-51	MW-51-Q422	N	LF	-	GW	11/11/2022	0.57 J	1.5	150 J	580	740	-	23
MW-52D	MW-52D-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	34	< 1.0 U	< 1.0 U	-	690 J
MW-52M	MW-52M-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	58	< 1.0 U	< 1.0 U	-	1100 J
MW-52S	MW-52S-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	400	< 1.0 U	< 1.0 U	-	19000 J
MW-53D	MW-53D-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	44	< 1.0 U	< 1.0 U	-	180 J
MW-53M	MW-53M-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	71	< 1.0 U	< 1.0 U	-	1100 J
MW-53S	MW-53S-Q422	N	LF	-	GW	11/17/2022	-	< 0.10 UJ	210	< 0.20 U	< 1.0 U	-	5100 J
MW-71-035	MW-71-035-Q422	N	LF	-	GW	11/10/2022	< 0.43 UJ	< 0.10 U	43	< 1.0 U	< 1.0 U	-	58
MW-71-035	MW-916-Q422	FD	-	MW-71-035-Q422	GW	11/10/2022	< 0.43 UJ	< 0.10 U	42	< 1.0 U	< 1.0 U	-	55
MW-75-033	MW-75-033-Q422	N	LF	-	GW	11/11/2022	-	-	-	45	40	-	-
MW-75-117	MW-75-117-Q422	N	LF	-	GW	11/11/2022	-	-	-	19	18	-	-
MW-75-202	MW-75-202-Q422	N	LF	-	GW	11/11/2022	-	-	-	< 1.0 U	< 1.0 U	-	-
MW-75-267	MW-75-267-Q422	N	LF	-	GW	11/11/2022	-	-	-	< 1.0 U	< 1.0 U	-	-
MW-75-337	MW-75-337-Q422	N	LF	-	GW	11/11/2022	-	-	-	< 1.0 U	< 1.0 U	-	-
MW-76-039	MW-76-039-Q422	N	LF	-	GW	11/7/2022	< 0.43 UJ	0.42	47 J	200	200 J	-	< 20 U
MW-76-156	MW-76-156-Q422	N	LF	-	GW	11/7/2022	0.44 J	< 0.10 U	38 J	18	19 J	-	< 20 U
MW-76-181	MW-76-181-Q422	N	LF	-	GW	11/7/2022	0.44 J	< 0.10 U	38 J	720	700 J	-	< 20 U
MW-76-181	MW-917-Q422	FD	-	MW-76-181-Q422	GW	11/7/2022	< 0.43 UJ	< 0.10 U	39 J	760	730 J	-	< 20 U
MW-76-218	MW-76-218-Q422	N	LF	-	GW	11/7/2022	< 0.43 UJ	< 0.10 U	69 J	< 1.0 U	< 1.0 UJ	-	< 20 U
MW-77-046	MW-77-046-Q422	N	LF	-	GW	11/7/2022	-	3.1	60 J	< 1.0 U	< 1.0 UJ	-	< 20 U
MW-77-102	MW-77-102-Q422	N	LF	-	GW	11/7/2022	-	< 0.10 U	64 J	< 1.0 U	1.1 J	-	< 20 U
MW-77-158	MW-77-158-Q422	N	LF	-	GW	11/7/2022	-	1.6	30 J	< 1.0 U	< 1.0 UJ	-	26
MW-77-187	MW-77-187-Q422	N	LF	-	GW	11/7/2022	-	3.9	22 J	6.1	19 J	-	< 20 U

PCM 2022-11 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)	Sulfate by method EPA 300.0 (mg/L)
MW-39-070	MW-39-070-Q422	N	LF	-	GW	11/8/2022	17 J	9.2 J	< 0.50 U	-	-	< 0.50 U	300
MW-39-080	MW-39-080-Q422	N	LF	-	GW	11/8/2022	5.9 J	14 J	< 0.50 U	-	-	< 0.50 U	590
MW-39-100	MW-39-100-Q422	N	LF	-	GW	11/8/2022	13 J	9.1 J	< 0.50 U	-	-	< 0.50 U	1000
MW-42-030	MW-42-030-Q422	N	LF	-	GW	11/10/2022	110	6.3	< 0.25 U	< 0.050 U	-	< 0.50 U	-
MW-42-055	MW-42-055-Q422	N	LF	-	GW	11/10/2022	240	5	< 0.25 U	-	-	< 0.50 U	-
MW-42-065	MW-42-065-Q422	N	LF	-	GW	11/10/2022	2700	11	< 0.25 U	-	-	< 0.50 U	-
MW-43-025	MW-43-025-Q422	N	LF	-	GW	11/17/2022	440 J	6.4	< 0.50 U	-	-	< 0.50 U	-
MW-43-075	MW-43-075-Q422	N	LF	-	GW	11/17/2022	600 J	16	< 0.50 U	-	-	< 0.50 U	-
MW-43-090	MW-43-090-Q422	N	LF	-	GW	11/17/2022	690 J	28	< 0.50 U	-	-	< 0.50 U	-
MW-44-070	MW-44-070-Q422	N	LF	-	GW	11/8/2022	320 J	11 J	< 0.50 U	< 0.050 U	-	< 0.50 U	-
MW-44-115	MW-44-115-Q422	N	LF	-	GW	11/8/2022	22 J	46 J	< 0.50 U	-	-	< 0.50 U	1100
MW-44-125	MW-44-125-Q422	N	LF	-	GW	11/8/2022	530 J	120 J	< 0.50 U	< 0.050 U	-	< 0.50 U	1200
MW-45-095A	MW-45-095A-Q422	N	LF	-	GW	11/9/2022	410	20	0.5 U	-	-	< 0.50 U	400
MW-46-175	MW-46-175-Q422	N	LF	-	GW	11/17/2022	13 J	160	0.97	1.23	-	0.51	-
MW-46-205	MW-46-205-Q422	N	LF	-	GW	11/17/2022	49 J	360	0.83	-	-	0.79	-
MW-47-055	MW-47-055-Q422	N	LF	-	GW	11/14/2022	-	-	-	-	-	-	-
MW-47-115	MW-47-115-Q422	N	LF	-	GW	11/14/2022	-	-	-	-	-	-	-
MW-49-135	MW-49-135-Q422	N	LF	-	GW	11/16/2022	-	-	-	-	-	-	-
MW-49-275	MW-49-275-Q422	N	LF	-	GW	11/16/2022	-	-	-	-	-	-	-
MW-49-365	MW-49-365-Q422	N	LF	-	GW	11/16/2022	-	-	-	-	-	-	-
MW-51	MW-51-Q422	N	LF	-	GW	11/11/2022	110	33	1.8	-	< 5.0 U	10	390
MW-52D	MW-52D-Q422	N	LF	-	GW	11/17/2022	250 J	56	< 0.50 U	-	-	< 0.50 U	-
MW-52M	MW-52M-Q422	N	LF	-	GW	11/17/2022	180 J	31	< 0.50 U	-	-	< 0.50 U	-
MW-52S	MW-52S-Q422	N	LF	-	GW	11/17/2022	1100 J	22	< 0.50 U	-	-	0.8	-
MW-53D	MW-53D-Q422	N	LF	-	GW	11/17/2022	650 J	130	< 0.50 U	-	-	< 0.50 U	-
MW-53M	MW-53M-Q422	N	LF	-	GW	11/17/2022	590 J	46	< 0.50 U	-	-	< 0.50 U	-
MW-53S	MW-53S-Q422	N	LF	-	GW	11/17/2022	1100 J	3.1	< 0.50 U	-	-	< 0.50 U	-
MW-71-035	MW-71-035-Q422	N	LF	-	GW	11/10/2022	350	16	< 0.50 U	0.42	< 5.0 U	1.5	1100
MW-71-035	MW-916-Q422	FD	-	MW-71-035-Q422	GW	11/10/2022	320	16	0.61	0.43	< 5.0 U	1.6	1100
MW-75-033	MW-75-033-Q422	N	LF	-	GW	11/11/2022	-	-	-	-	-	-	-
MW-75-117	MW-75-117-Q422	N	LF	-	GW	11/11/2022	-	-	-	-	-	-	-
MW-75-202	MW-75-202-Q422	N	LF	-	GW	11/11/2022	-	-	-	-	-	-	-
MW-75-267	MW-75-267-Q422	N	LF	-	GW	11/11/2022	-	-	-	-	-	-	-
MW-75-337	MW-75-337-Q422	N	LF	-	GW	11/11/2022	-	-	-	-	-	-	-
MW-76-039	MW-76-039-Q422	N	LF	-	GW	11/7/2022	1.6 J	24 J	3.6	-	< 5.0 U	4.3	220
MW-76-156	MW-76-156-Q422	N	LF	-	GW	11/7/2022	16 J	29 J	2.3	-	< 5.0 U	1.1	760
MW-76-181	MW-76-181-Q422	N	LF	-	GW	11/7/2022	24 J	32 J	1.7	-	< 5.0 U	1.2	920
MW-76-181	MW-917-Q422	FD	-	MW-76-181-Q422	GW	11/7/2022	26 J	33 J	1.9	-	< 5.0 U	< 2.5 U	920
MW-76-218	MW-76-218-Q422	N	LF	-	GW	11/7/2022	430 J	26 J	< 0.50 U	-	< 5.0 U	< 0.50 U	640
MW-77-046	MW-77-046-Q422	N	LF	-	GW	11/7/2022	500 J	81 J	< 0.50 U	-	-	2.2	510
MW-77-102	MW-77-102-Q422	N	LF	-	GW	11/7/2022	120 J	26 J	1.2	-	-	< 2.5 U	770
MW-77-158	MW-77-158-Q422	N	LF	-	GW	11/7/2022	28 J	34 J	< 0.50 U	-	-	< 0.50 U	540
MW-77-187	MW-77-187-Q422	N	LF	-	GW	11/7/2022	13 J	150 J	< 0.50 U	-	-	< 2.5 U	640

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by method SM 5310 C (mg/L)
MW-39-070	MW-39-070-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-39-080	MW-39-080-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-39-100	MW-39-100-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-42-030	MW-42-030-Q422	N	LF	-	GW	11/10/2022	2
MW-42-055	MW-42-055-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-42-065	MW-42-065-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-43-025	MW-43-025-Q422	N	LF	-	GW	11/17/2022	1.9
MW-43-075	MW-43-075-Q422	N	LF	-	GW	11/17/2022	< 1.0 U
MW-43-090	MW-43-090-Q422	N	LF	-	GW	11/17/2022	< 1.0 U
MW-44-070	MW-44-070-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-44-115	MW-44-115-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-44-125	MW-44-125-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-45-095A	MW-45-095A-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-46-175	MW-46-175-Q422	N	LF	-	GW	11/17/2022	< 1.0 U
MW-46-205	MW-46-205-Q422	N	LF	-	GW	11/17/2022	< 1.0 U
MW-47-055	MW-47-055-Q422	N	LF	-	GW	11/14/2022	-
MW-47-115	MW-47-115-Q422	N	LF	-	GW	11/14/2022	-
MW-49-135	MW-49-135-Q422	N	LF	-	GW	11/16/2022	-
MW-49-275	MW-49-275-Q422	N	LF	-	GW	11/16/2022	-
MW-49-365	MW-49-365-Q422	N	LF	-	GW	11/16/2022	-
MW-51	MW-51-Q422	N	LF	-	GW	11/11/2022	< 1.0 U
MW-52D	MW-52D-Q422	N	LF	-	GW	11/17/2022	< 1.0 U
MW-52M	MW-52M-Q422	N	LF	-	GW	11/17/2022	< 1.0 U
MW-52S	MW-52S-Q422	N	LF	-	GW	11/17/2022	2.1
MW-53D	MW-53D-Q422	N	LF	-	GW	11/17/2022	< 1.0 U
MW-53M	MW-53M-Q422	N	LF	-	GW	11/17/2022	< 20 U
MW-53S	MW-53S-Q422	N	LF	-	GW	11/17/2022	1.3
MW-71-035	MW-71-035-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-71-035	MW-916-Q422	FD	-	MW-71-035-Q422	GW	11/10/2022	< 1.0 U
MW-75-033	MW-75-033-Q422	N	LF	-	GW	11/11/2022	-
MW-75-117	MW-75-117-Q422	N	LF	-	GW	11/11/2022	-
MW-75-202	MW-75-202-Q422	N	LF	-	GW	11/11/2022	-
MW-75-267	MW-75-267-Q422	N	LF	-	GW	11/11/2022	-
MW-75-337	MW-75-337-Q422	N	LF	-	GW	11/11/2022	-
MW-76-039	MW-76-039-Q422	N	LF	-	GW	11/7/2022	< 10 U
MW-76-156	MW-76-156-Q422	N	LF	-	GW	11/7/2022	< 1.0 U
MW-76-181	MW-76-181-Q422	N	LF	-	GW	11/7/2022	< 1.0 U
MW-76-181	MW-917-Q422	FD	-	MW-76-181-Q422	GW	11/7/2022	< 1.0 U
MW-76-218	MW-76-218-Q422	N	LF	-	GW	11/7/2022	< 1.0 U
MW-77-046	MW-77-046-Q422	N	LF	-	GW	11/7/2022	< 1.0 U
MW-77-102	MW-77-102-Q422	N	LF	-	GW	11/7/2022	< 1.0 U
MW-77-158	MW-77-158-Q422	N	LF	-	GW	11/7/2022	< 1.0 U
MW-77-187	MW-77-187-Q422	N	LF	-	GW	11/7/2022	< 1.0 U

PCM 2022-11 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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-77-187	MW-918-Q422	FD	-	MW-77-187-Q422	GW	11/7/2022	-	4.1	22 J	6.2	20 J	-	< 20 U
MW-78-070	MW-78-070-Q422	N	LF	-	GW	11/9/2022	< 0.43 UJ	< 0.10 U	160	9.9	13	-	< 20 U
MW-78-142	MW-78-142-Q422	N	LF	-	GW	11/9/2022	< 0.44 UJ	2.7	24	2300	2600	-	< 20 U
MW-78-142	MW-919-Q422	FD	-	MW-78-142-Q422	GW	11/9/2022	< 0.44 UJ	2.8	24	2300	2500	-	< 20 U
MW-79-058	MW-79-058-Q422	N	LF	-	GW	11/11/2022	< 0.44 UJ	< 0.10 U	290 J	200	170	-	< 20 U
MW-79-102	MW-79-102-Q422	N	LF	-	GW	11/11/2022	< 0.44 UJ	1.9	43 J	330	330	-	< 20 U
MW-79-102	MW-920-Q422	FD	-	MW-79-102-Q422	GW	11/11/2022	< 0.44 UJ	2	44 J	330	360	-	< 20 U
MW-80-057	MW-80-057-Q422	N	LF	-	GW	11/10/2022	< 0.43 UJ	0.71	94	600	780	-	< 20 U
MW-80-082	MW-80-082-Q422	N	LF	-	GW	11/10/2022	< 0.43 UJ	2.8	46	11	12	-	< 20 U
MW-81-043	MW-81-043-Q422	N	LF	-	GW	11/8/2022	-	4.6	72	14	15	-	56 J
MW-81-098	MW-81-098-Q422	N	LF	-	GW	11/8/2022	-	< 0.10 U	58	1.7	2.7	-	27 J
MW-82-046	MW-82-046-Q422	N	LF	-	GW	11/8/2022	-	20	55	< 1.0 U	< 1.0 U	-	6300 J
MW-82-112	MW-82-112-Q422	N	LF	-	GW	11/8/2022	-	< 0.10 U	59	< 1.0 U	< 1.0 U	-	< 20 UJ
MW-82-168	MW-82-168-Q422	N	LF	-	GW	11/8/2022	-	1.2	33	< 1.0 U	< 1.0 U	-	43 J
MW-82-168	MW-921-Q422	FD	-	MW-82-168-Q422	GW	11/8/2022	-	1.3	34	< 1.0 U	< 1.0 U	-	42 J
MW-82-198	MW-82-198-Q422	N	LF	-	GW	11/8/2022	-	0.96	32	1.6	1.7	-	< 20 UJ
MW-86-030	MW-86-030-Q422	N	LF	-	GW	11/16/2022	-	5	90	< 0.20 U	< 1.0 U	-	120
MW-86-066	MW-86-066-Q422	N	LF	-	GW	11/16/2022	-	< 0.10 U	80	< 0.20 U	< 1.0 U	-	< 20 U
MW-86-120	MW-86-120-Q422	N	LF	-	GW	11/16/2022	-	< 0.10 U	40	< 1.0 U	< 1.0 U	-	< 20 U
MW-86-140	MW-86-140-Q422	N	LF	-	GW	11/16/2022	-	< 0.10 U	70	< 1.0 U	< 1.0 U	-	180
MW-90-031	MW-90-031-Q422	N	LF	-	GW	11/16/2022	-	1.2	140	< 1.0 U	< 1.0 U	-	7700
MW-96-045	MW-96-045-Q422	N	LF	-	GW	11/17/2022	-	-	-	< 1.0 U	< 1.0 U	-	-

PCM 2022-11 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)	Sulfate by method EPA 300.0 (mg/L)
MW-77-187	MW-918-Q422	FD	-	MW-77-187-Q422	GW	11/7/2022	13 J	160 J	< 0.50 U	-	-	< 2.5 U	630
MW-78-070	MW-78-070-Q422	N	LF	-	GW	11/9/2022	780	5.4	< 0.50 U	-	< 5.0 U	< 0.50 U	510
MW-78-142	MW-78-142-Q422	N	LF	-	GW	11/9/2022	1.2	21	4.4	-	< 5.0 U	18	710
MW-78-142	MW-919-Q422	FD	-	MW-78-142-Q422	GW	11/9/2022	0.97	22	4.5	-	< 5.0 U	19	700
MW-79-058	MW-79-058-Q422	N	LF	-	GW	11/11/2022	< 0.50 U	4.9	0.54	-	< 5.0 U	0.75	540
MW-79-102	MW-79-102-Q422	N	LF	-	GW	11/11/2022	6.9	28	0.53	-	< 5.0 U	2.6	580
MW-79-102	MW-920-Q422	FD	-	MW-79-102-Q422	GW	11/11/2022	7.4	29	< 0.50 U	-	< 5.0 U	3	580
MW-80-057	MW-80-057-Q422	N	LF	-	GW	11/10/2022	4.3	21	7.5	-	< 5.0 U	13	530
MW-80-082	MW-80-082-Q422	N	LF	-	GW	11/10/2022	14	61	< 0.50 U	-	< 5.0 U	< 0.50 U	520
MW-81-043	MW-81-043-Q422	N	LF	-	GW	11/8/2022	49 J	22 J	1.7 J	-	-	1.5	290
MW-81-098	MW-81-098-Q422	N	LF	-	GW	11/8/2022	140 J	25 J	1.1 J	-	-	0.65	730
MW-82-046	MW-82-046-Q422	N	LF	-	GW	11/8/2022	260 J	26 J	< 0.50 U	-	-	< 0.50 U	1600
MW-82-112	MW-82-112-Q422	N	LF	-	GW	11/8/2022	190 J	23 J	1.8 J	-	-	< 0.50 U	740
MW-82-168	MW-82-168-Q422	N	LF	-	GW	11/8/2022	38 J	36 J	< 0.50 U	-	-	< 0.50 U	540
MW-82-168	MW-921-Q422	FD	-	MW-82-168-Q422	GW	11/8/2022	39 J	38 J	< 0.50 U	-	-	< 0.50 U	520
MW-82-198	MW-82-198-Q422	N	LF	-	GW	11/8/2022	74 J	40 J	< 0.50 U	-	-	< 0.50 U	680
MW-86-030	MW-86-030-Q422	N	LF	-	GW	11/16/2022	260 J	7	< 0.25 U	-	-	< 0.50 U	-
MW-86-066	MW-86-066-Q422	N	LF	-	GW	11/16/2022	560 J	14	0.76	-	-	< 0.50 U	-
MW-86-120	MW-86-120-Q422	N	LF	-	GW	11/16/2022	490 J	36	< 0.50 U	-	-	< 0.50 U	-
MW-86-140	MW-86-140-Q422	N	LF	-	GW	11/16/2022	960 J	1.6	< 0.50 U	-	-	< 0.50 U	-
MW-90-031	MW-90-031-Q422	N	LF	-	GW	11/16/2022	420 J	15	< 0.50 U	0.03 J	-	< 0.50 U	-
MW-96-045	MW-96-045-Q422	N	LF	-	GW	11/17/2022	-	-	-	-	-	-	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by method SM 5310 C (mg/L)
MW-77-187	MW-918-Q422	FD	-	MW-77-187-Q422	GW	11/7/2022	< 1.0 U
MW-78-070	MW-78-070-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-78-142	MW-78-142-Q422	N	LF	-	GW	11/9/2022	< 1.0 U
MW-78-142	MW-919-Q422	FD	-	MW-78-142-Q422	GW	11/9/2022	< 1.0 U
MW-79-058	MW-79-058-Q422	N	LF	-	GW	11/11/2022	< 20 U
MW-79-102	MW-79-102-Q422	N	LF	-	GW	11/11/2022	< 1.0 U
MW-79-102	MW-920-Q422	FD	-	MW-79-102-Q422	GW	11/11/2022	< 1.0 U
MW-80-057	MW-80-057-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-80-082	MW-80-082-Q422	N	LF	-	GW	11/10/2022	< 1.0 U
MW-81-043	MW-81-043-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-81-098	MW-81-098-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-82-046	MW-82-046-Q422	N	LF	-	GW	11/8/2022	2
MW-82-112	MW-82-112-Q422	N	LF	-	GW	11/8/2022	< 20 U
MW-82-168	MW-82-168-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-82-168	MW-921-Q422	FD	-	MW-82-168-Q422	GW	11/8/2022	< 1.0 U
MW-82-198	MW-82-198-Q422	N	LF	-	GW	11/8/2022	< 1.0 U
MW-86-030	MW-86-030-Q422	N	LF	-	GW	11/16/2022	2.5
MW-86-066	MW-86-066-Q422	N	LF	-	GW	11/16/2022	< 1.0 U
MW-86-120	MW-86-120-Q422	N	LF	-	GW	11/16/2022	< 20 U
MW-86-140	MW-86-140-Q422	N	LF	-	GW	11/16/2022	< 1.0 U
MW-90-031	MW-90-031-Q422	N	LF	-	GW	11/16/2022	2.1
MW-96-045	MW-96-045-Q422	N	LF	-	GW	11/17/2022	-

PCM 2022-11 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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-96-217	MW-96-217-Q422	N	LF	-	GW	11/17/2022	-	-	-	< 1.0 U	< 1.0 U	-	-
MW-97-042	MW-97-042-Q422	N	LF	-	GW	11/14/2022	-	-	-	140	130	-	-
MW-97-202	MW-97-202-Q422	N	LF	-	GW	11/14/2022	-	-	-	230	240	-	-
PT5D	PT5D-Q422	N	LF	-	GW	11/16/2022	-	2.5	34	40	39	-	22
PT5M	PT5M-Q422	N	LF	-	GW	11/16/2022	-	0.95	52	< 0.20 U	< 1.0 U	-	35
PT5S	PT5S-Q422	N	LF	-	GW	11/16/2022	-	13	92	< 0.20 U	< 1.0 U	-	970
TW-02D	TW-02D-Q422	N	3V	-	GW	11/9/2022	< 0.43 UJ	6.3	15	120	130	-	< 20 U
TW-02D	MW-922-Q422	FD	-	TW-02D-Q422	GW	11/9/2022	< 0.43 UJ	6.3	16	120	130	-	21
TW-02S	TW-02S-Q422	N	3V	-	GW	11/9/2022	< 0.43 UJ	0.62	190	120	130	-	< 20 U
TW-03D	TW-03D-Q422	N	3V	-	GW	11/9/2022	< 0.43 UJ	4.1	21	260	270	-	< 20 U
TW-04	TW-04-Q422	N	LF	-	GW	11/14/2022	-	-	-	13	13	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Ammonia and Nitrate/Nitrite as N which were analyzed at BC Labs.

< = 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
- 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

PCM 2022-11 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)	Sulfate by method EPA 300.0 (mg/L)
MW-96-217	MW-96-217-Q422	N	LF	-	GW	11/17/2022	-	-	-	-	-	-	-
MW-97-042	MW-97-042-Q422	N	LF	-	GW	11/14/2022	-	-	-	-	-	-	-
MW-97-202	MW-97-202-Q422	N	LF	-	GW	11/14/2022	-	-	-	-	-	-	-
PT5D	PT5D-Q422	N	LF	-	GW	11/16/2022	22 J	130	1 J	-	-	< 0.50 U	-
PT5M	PT5M-Q422	N	LF	-	GW	11/16/2022	640 J	7.3	< 0.50 U	-	-	< 0.50 U	-
PT5S	PT5S-Q422	N	LF	-	GW	11/16/2022	220 J	7.1	< 0.25 U	-	-	< 0.50 U	-
TW-02D	TW-02D-Q422	N	3V	-	GW	11/9/2022	27	110	0.5 U	-	< 5.0 U	< 0.50 U	630
TW-02D	MW-922-Q422	FD	-	TW-02D-Q422	GW	11/9/2022	28	120	0.29 J	-	< 2.5 U	< 0.50 U	630
TW-02S	TW-02S-Q422	N	3V	-	GW	11/9/2022	< 0.50 U	5.3	1.3 J	-	< 5.0 U	1.1	370
TW-03D	TW-03D-Q422	N	3V	-	GW	11/9/2022	53	110	0.5 U	-	< 5.0 U	< 0.50 U	700
TW-04	TW-04-Q422	N	LF	-	GW	11/14/2022	-	-	-	-	-	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Ammonia and Nitrate/Nitrite as N which were analyzed at BC Labs.

< = 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
- 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

PCM 2022-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by method SM 5310 C (mg/L)
MW-96-217	MW-96-217-Q422	N	LF	-	GW	11/17/2022	-
MW-97-042	MW-97-042-Q422	N	LF	-	GW	11/14/2022	-
MW-97-202	MW-97-202-Q422	N	LF	-	GW	11/14/2022	-
PT5D	PT5D-Q422	N	LF	-	GW	11/16/2022	< 1.0 U
PT5M	PT5M-Q422	N	LF	-	GW	11/16/2022	< 1.0 U
PT5S	PT5S-Q422	N	LF	-	GW	11/16/2022	2.5
TW-02D	TW-02D-Q422	N	3V	-	GW	11/9/2022	< 1.0 U
TW-02D	MW-922-Q422	FD	-	TW-02D-Q422	GW	11/9/2022	< 1.0 U
TW-02S	TW-02S-Q422	N	3V	-	GW	11/9/2022	< 20 U
TW-03D	TW-03D-Q422	N	3V	-	GW	11/9/2022	< 1.0 U
TW-04	TW-04-Q422	N	LF	-	GW	11/14/2022	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Ammonia and Nitrate/Nitrite as N which were analyzed at BC Labs.

< = 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
- 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

PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Alkalinity, bicarb as CaCO3 by method SM 2320 B (mg/L)	Alkalinity, carb as CaCO3 by method SM 2320 B (mg/L)	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)	Bromide by method EPA 300.0 (mg/L)
IRZ-13D-210	IRZ-13D-210-1222	N	EP	-	GW	12/6/2022	-	-	-	-	-	-
IRZ-13D-210	IRZ-13D-210-121622	N	EP	-	GW	12/16/2022	59	< 5.0 U	59	-	-	< 5.0 U
IRZ-13S-095	IRZ-13S-095-1222	N	EP	-	GW	12/6/2022	-	-	-	-	-	-
IRZ-13S-095	IRZ-13S-095-121622	N	EP	-	GW	12/16/2022	64	< 5.0 U	64	-	-	< 5.0 U
IRZ-23-143	IRZ-23-143-1222	N	EP	-	GW	12/6/2022	-	-	-	-	-	-
IRZ-23-143	IRZ-23-143-121622	N	EP	-	GW	12/16/2022	120	< 5.0 U	120	-	-	< 5.0 U
MW-20-070	MW-20-070-1222	N	LF	-	GW	12/8/2022	-	-	-	1.2	42	-
MW-20-100	MW-20-100-1222	N	-	-	GW	12/8/2022	-	-	-	0.64	31	-
MW-20-130	MW-20-130-1222	N	-	-	GW	12/8/2022	-	-	-	1.1	24	-
MW-21	MW-21-1222	N	LF	-	GW	12/7/2022	-	-	-	10 J	21	-
MW-26	MW-26-1222	N	LF	-	GW	12/8/2022	-	-	-	< 0.10 U	74	-
MW-30-050	MW-30-050-1222	N	LF	-	GW	12/6/2022	-	-	-	3.6	18	-
MW-31-060	MW-31-060-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.10 U	220	-
MW-31-135	MW-31-135-1222	N	LF	-	GW	12/7/2022	-	-	-	1.3	35	-
MW-34-080	MW-34-080-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.10 UJ	40	-
MW-36-090	MW-36-090-1222	N	LF	-	GW	12/7/2022	-	-	-	2.4	47	-
MW-36-100	MW-36-100-1222	N	LF	-	GW	12/7/2022	-	-	-	4.5	65	-
MW-39-040	MW-39-040-1222	N	LF	-	GW	12/6/2022	-	-	-	12	61	-
MW-39-050	MW-39-050-1222	N	LF	-	GW	12/6/2022	-	-	-	1.9	47	-
MW-39-050	MW-923-Q422	FD	-	MW-39-050-1222	GW	12/6/2022	-	-	-	1.9	43	-
MW-39-060	MW-39-060-1222	N	LF	-	GW	12/6/2022	-	-	-	1.3	43	-
MW-39-070	MW-39-070-1222	N	LF	-	GW	12/6/2022	-	-	-	1.2	46	-
MW-39-080	MW-39-080-1222	N	LF	-	GW	12/6/2022	-	-	-	1	24	-
MW-39-100	MW-39-100-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.10 U	31	-
MW-44-115	MW-44-115-1222	N	LF	-	GW	12/6/2022	-	-	-	1.9	20	-
MW-44-115	MW-924-Q422	FD	-	MW-44-115-1222	GW	12/6/2022	-	-	-	1.7	20	-
MW-44-125	MW-44-125-1222	N	LF	-	GW	12/6/2022	-	-	-	2.1	45	-
MW-45-095A	MW-45-095A-1222	N	LF	-	GW	12/7/2022	-	-	-	1.1 J	42	-
MW-51	MW-51-1222	N	LF	-	GW	12/8/2022	-	-	-	1.6	130	-
MW-51	MW-925-Q422	FD	-	MW-51-1222	GW	12/8/2022	-	-	-	1.7	140	-
MW-71-035	MW-71-035-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.10 UJ	42	-
MW-71-035	MW-926-Q422	FD	-	MW-71-035-1222	GW	12/7/2022	-	-	-	< 0.10 UJ	43	-
MW-76-039	MW-76-039-1222	N	LF	-	GW	12/6/2022	-	-	-	0.65	51	-
MW-76-156	MW-76-156-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.10 U	37	-
MW-76-181	MW-76-181-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.10 U	42	-
MW-76-181	MW-927-Q422	FD	-	MW-76-181-1222	GW	12/6/2022	-	-	-	< 0.10 U	42	-
MW-76-218	MW-76-218-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.10 U	82	-
MW-77-046	MW-77-046-1222	N	LF	-	GW	12/5/2022	-	-	-	5.6 J	97	-
MW-77-102	MW-77-102-1222	N	LF	-	GW	12/5/2022	-	-	-	-	75	-
MW-77-158	MW-77-158-1222	N	LF	-	GW	12/5/2022	-	-	-	2.3 J	30	-
MW-77-187	MW-77-187-1222	N	LF	-	GW	12/5/2022	-	-	-	5 J	22	-
MW-78-070	MW-78-070-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.10 U	170	-

PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Chromium, total by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)
IRZ-13D-210	IRZ-13D-210-1222	N	EP	-	GW	12/6/2022	-	-	-	380	-	-
IRZ-13D-210	IRZ-13D-210-121622	N	EP	-	GW	12/16/2022	670000	430	5400	360	390 J	410
IRZ-13S-095	IRZ-13S-095-1222	N	EP	-	GW	12/6/2022	-	-	-	35	-	-
IRZ-13S-095	IRZ-13S-095-121622	N	EP	-	GW	12/16/2022	280000	250 J	2300	34	37 J	34
IRZ-23-143	IRZ-23-143-1222	N	EP	-	GW	12/6/2022	-	-	-	650	-	-
IRZ-23-143	IRZ-23-143-121622	N	EP	-	GW	12/16/2022	340000	320	2000	640	630 J	620
MW-20-070	MW-20-070-1222	N	LF	-	GW	12/8/2022	-	-	-	850	-	-
MW-20-100	MW-20-100-1222	N	-	-	GW	12/8/2022	-	-	-	1700	-	-
MW-20-130	MW-20-130-1222	N	-	-	GW	12/8/2022	-	-	-	2900	-	-
MW-21	MW-21-1222	N	LF	-	GW	12/7/2022	-	-	-	0.36	-	-
MW-26	MW-26-1222	N	LF	-	GW	12/8/2022	-	-	-	14	-	-
MW-30-050	MW-30-050-1222	N	LF	-	GW	12/6/2022	-	-	-	0.76	-	-
MW-31-060	MW-31-060-1222	N	LF	-	GW	12/7/2022	-	-	-	< 1.0 U	-	-
MW-31-135	MW-31-135-1222	N	LF	-	GW	12/7/2022	-	-	-	< 1.0 U	-	-
MW-34-080	MW-34-080-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.20 U	-	-
MW-36-090	MW-36-090-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.20 U	-	-
MW-36-100	MW-36-100-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.20 U	-	-
MW-39-040	MW-39-040-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.20 U	-	-
MW-39-050	MW-39-050-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.20 U	-	-
MW-39-050	MW-923-Q422	FD	-	MW-39-050-1222	GW	12/6/2022	-	-	-	< 0.20 U	-	-
MW-39-060	MW-39-060-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.20 U	-	-
MW-39-070	MW-39-070-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.20 U	-	-
MW-39-080	MW-39-080-1222	N	LF	-	GW	12/6/2022	-	-	-	1.4	-	-
MW-39-100	MW-39-100-1222	N	LF	-	GW	12/6/2022	-	-	-	270	-	-
MW-44-115	MW-44-115-1222	N	LF	-	GW	12/6/2022	-	-	-	1.8	-	-
MW-44-115	MW-924-Q422	FD	-	MW-44-115-1222	GW	12/6/2022	-	-	-	1.7	-	-
MW-44-125	MW-44-125-1222	N	LF	-	GW	12/6/2022	-	-	-	< 1.0 U	-	-
MW-45-095A	MW-45-095A-1222	N	LF	-	GW	12/7/2022	-	-	-	< 0.20 U	-	-
MW-51	MW-51-1222	N	LF	-	GW	12/8/2022	-	-	-	280	-	-
MW-51	MW-925-Q422	FD	-	MW-51-1222	GW	12/8/2022	-	-	-	290	-	-
MW-71-035	MW-71-035-1222	N	LF	-	GW	12/7/2022	-	-	-	< 1.0 U	-	-
MW-71-035	MW-926-Q422	FD	-	MW-71-035-1222	GW	12/7/2022	-	-	-	< 1.0 U	-	-
MW-76-039	MW-76-039-1222	N	LF	-	GW	12/6/2022	-	-	-	220	-	-
MW-76-156	MW-76-156-1222	N	LF	-	GW	12/6/2022	-	-	-	17	-	-
MW-76-181	MW-76-181-1222	N	LF	-	GW	12/6/2022	-	-	-	610	-	-
MW-76-181	MW-927-Q422	FD	-	MW-76-181-1222	GW	12/6/2022	-	-	-	610	-	-
MW-76-218	MW-76-218-1222	N	LF	-	GW	12/6/2022	-	-	-	< 1.0 U	-	-
MW-77-046	MW-77-046-1222	N	LF	-	GW	12/5/2022	-	-	-	< 0.20 U	-	-
MW-77-102	MW-77-102-1222	N	LF	-	GW	12/5/2022	-	-	-	< 1.0 U	-	-
MW-77-158	MW-77-158-1222	N	LF	-	GW	12/5/2022	-	-	-	< 1.0 U	-	-
MW-77-187	MW-77-187-1222	N	LF	-	GW	12/5/2022	-	-	-	10	-	-
MW-78-070	MW-78-070-1222	N	LF	-	GW	12/7/2022	-	-	-	63	-	-

PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Hardness, total as CaCO3 by method SM 2340 B (mg/L)	Iron by method SW 6010B (µg/L)	Iron Related Bacteria by method BART (CFU/mL)
IRZ-13D-210	IRZ-13D-210-1222	N	EP	-	GW	12/6/2022	-	-	-	-	< 20 U	-
IRZ-13D-210	IRZ-13D-210-121622	N	EP	-	GW	12/16/2022	3	1100000	180000	1300000	22 J	< 0.10 U
IRZ-13S-095	IRZ-13S-095-1222	N	EP	-	GW	12/6/2022	-	-	-	-	< 20 U	-
IRZ-13S-095	IRZ-13S-095-121622	N	EP	-	GW	12/16/2022	3.1	640000	95000	730000	1200 J	25
IRZ-23-143	IRZ-23-143-1222	N	EP	-	GW	12/6/2022	-	-	-	-	220	-
IRZ-23-143	IRZ-23-143-121622	N	EP	-	GW	12/16/2022	2.5	800000	170000	970000	1200 J	9000
MW-20-070	MW-20-070-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
MW-20-100	MW-20-100-1222	N	-	-	GW	12/8/2022	-	-	-	-	-	-
MW-20-130	MW-20-130-1222	N	-	-	GW	12/8/2022	-	-	-	-	-	-
MW-21	MW-21-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-26	MW-26-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
MW-30-050	MW-30-050-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-31-060	MW-31-060-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-31-135	MW-31-135-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-34-080	MW-34-080-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-36-090	MW-36-090-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-36-100	MW-36-100-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-39-040	MW-39-040-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-39-050	MW-39-050-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-39-050	MW-923-Q422	FD	-	MW-39-050-1222	GW	12/6/2022	-	-	-	-	-	-
MW-39-060	MW-39-060-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-39-070	MW-39-070-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-39-080	MW-39-080-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-39-100	MW-39-100-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-44-115	MW-44-115-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-44-115	MW-924-Q422	FD	-	MW-44-115-1222	GW	12/6/2022	-	-	-	-	-	-
MW-44-125	MW-44-125-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-45-095A	MW-45-095A-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-51	MW-51-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
MW-51	MW-925-Q422	FD	-	MW-51-1222	GW	12/8/2022	-	-	-	-	-	-
MW-71-035	MW-71-035-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-71-035	MW-926-Q422	FD	-	MW-71-035-1222	GW	12/7/2022	-	-	-	-	-	-
MW-76-039	MW-76-039-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-76-156	MW-76-156-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-76-181	MW-76-181-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-76-181	MW-927-Q422	FD	-	MW-76-181-1222	GW	12/6/2022	-	-	-	-	-	-
MW-76-218	MW-76-218-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-77-046	MW-77-046-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
MW-77-102	MW-77-102-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
MW-77-158	MW-77-158-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
MW-77-187	MW-77-187-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
MW-78-070	MW-78-070-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-

PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Iron, dissolved by method SW 6010B (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)	Modified Fouling Index by method MFI (CFU/mL)
IRZ-13D-210	IRZ-13D-210-1222	N	EP	-	GW	12/6/2022	< 20 U	-	-	-	< 0.50 U	-
IRZ-13D-210	IRZ-13D-210-121622	N	EP	-	GW	12/16/2022	< 20 U	48000 J	45	< 0.50 UJ	< 0.50 U	< 0.10 U
IRZ-13S-095	IRZ-13S-095-1222	N	EP	-	GW	12/6/2022	< 20 U	-	-	-	< 0.50 U	-
IRZ-13S-095	IRZ-13S-095-121622	N	EP	-	GW	12/16/2022	< 20 U	23000 J	23	< 0.50 UJ	< 0.50 U	0.16
IRZ-23-143	IRZ-23-143-1222	N	EP	-	GW	12/6/2022	< 20 U	-	-	-	< 0.50 U	-
IRZ-23-143	IRZ-23-143-121622	N	EP	-	GW	12/16/2022	< 20 U	44000 J	41	< 0.50 UJ	< 0.50 U	1.1
MW-20-070	MW-20-070-1222	N	LF	-	GW	12/8/2022	< 20 U	-	-	-	< 0.50 U	-
MW-20-100	MW-20-100-1222	N	-	-	GW	12/8/2022	< 20 U	-	-	-	< 0.50 U	-
MW-20-130	MW-20-130-1222	N	-	-	GW	12/8/2022	< 20 U	-	-	-	< 0.50 U	-
MW-21	MW-21-1222	N	LF	-	GW	12/7/2022	330 J	-	-	-	140	-
MW-26	MW-26-1222	N	LF	-	GW	12/8/2022	< 20 U	-	-	-	44	-
MW-30-050	MW-30-050-1222	N	LF	-	GW	12/6/2022	30	-	-	-	360 J	-
MW-31-060	MW-31-060-1222	N	LF	-	GW	12/7/2022	63 J	-	-	-	2500	-
MW-31-135	MW-31-135-1222	N	LF	-	GW	12/7/2022	< 20 U	-	-	-	5.5	-
MW-34-080	MW-34-080-1222	N	LF	-	GW	12/7/2022	260 J	-	-	-	160	-
MW-36-090	MW-36-090-1222	N	LF	-	GW	12/7/2022	52 J	-	-	-	130	-
MW-36-100	MW-36-100-1222	N	LF	-	GW	12/7/2022	710 J	-	-	-	590	-
MW-39-040	MW-39-040-1222	N	LF	-	GW	12/6/2022	230	-	-	-	88 J	-
MW-39-050	MW-39-050-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	250 J	-
MW-39-050	MW-923-Q422	FD	-	MW-39-050-1222	GW	12/6/2022	< 20 U	-	-	-	220 J	-
MW-39-060	MW-39-060-1222	N	LF	-	GW	12/6/2022	230	-	-	-	220 J	-
MW-39-070	MW-39-070-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	24 J	-
MW-39-080	MW-39-080-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	7.9 J	-
MW-39-100	MW-39-100-1222	N	LF	-	GW	12/6/2022	< 20 UJ	-	-	-	12	-
MW-44-115	MW-44-115-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	13 J	-
MW-44-115	MW-924-Q422	FD	-	MW-44-115-1222	GW	12/6/2022	< 20 U	-	-	-	13 J	-
MW-44-125	MW-44-125-1222	N	LF	-	GW	12/6/2022	370	-	-	-	590 J	-
MW-45-095A	MW-45-095A-1222	N	LF	-	GW	12/7/2022	45 J	-	-	-	530	-
MW-51	MW-51-1222	N	LF	-	GW	12/8/2022	20 J	-	-	-	48	-
MW-51	MW-925-Q422	FD	-	MW-51-1222	GW	12/8/2022	100 J	-	-	-	42	-
MW-71-035	MW-71-035-1222	N	LF	-	GW	12/7/2022	70 J	-	-	-	230	-
MW-71-035	MW-926-Q422	FD	-	MW-71-035-1222	GW	12/7/2022	77 J	-	-	-	260	-
MW-76-039	MW-76-039-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	< 0.50 UJ	-
MW-76-156	MW-76-156-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	11 J	-
MW-76-181	MW-76-181-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	29 J	-
MW-76-181	MW-927-Q422	FD	-	MW-76-181-1222	GW	12/6/2022	< 20 U	-	-	-	30 J	-
MW-76-218	MW-76-218-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	500 J	-
MW-77-046	MW-77-046-1222	N	LF	-	GW	12/5/2022	34	-	-	-	670	-
MW-77-102	MW-77-102-1222	N	LF	-	GW	12/5/2022	< 20 U	-	-	-	120	-
MW-77-158	MW-77-158-1222	N	LF	-	GW	12/5/2022	33	-	-	-	28	-
MW-77-187	MW-77-187-1222	N	LF	-	GW	12/5/2022	< 20 U	-	-	-	15	-
MW-78-070	MW-78-070-1222	N	LF	-	GW	12/7/2022	< 20 U	-	-	-	170	-

PCM 2022-12 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)	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)	Slime Forming Bacteria by method BART (CFU/mL)	Sodium by method SW 6010B (µg/L)
IRZ-13D-210	IRZ-13D-210-1222	N	EP	-	GW	12/6/2022	1.5	-	-	-	-	-
IRZ-13D-210	IRZ-13D-210-121622	N	EP	-	GW	12/16/2022	1.7 J	-	< 5.0 U	38000	< 0.10 U	2700000
IRZ-13S-095	IRZ-13S-095-1222	N	EP	-	GW	12/6/2022	1.6	-	-	-	-	-
IRZ-13S-095	IRZ-13S-095-121622	N	EP	-	GW	12/16/2022	1.8 J	-	< 5.0 U	17000	< 0.10 U	1600000
IRZ-23-143	IRZ-23-143-1222	N	EP	-	GW	12/6/2022	3.8	-	-	-	-	-
IRZ-23-143	IRZ-23-143-121622	N	EP	-	GW	12/16/2022	3.9 J	-	< 5.0 U	25000	< 0.10 U	1200000
MW-20-070	MW-20-070-1222	N	LF	-	GW	12/8/2022	30	-	-	-	-	-
MW-20-100	MW-20-100-1222	N	-	-	GW	12/8/2022	8.4	-	-	-	-	-
MW-20-130	MW-20-130-1222	N	-	-	GW	12/8/2022	10	-	-	-	-	-
MW-21	MW-21-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
MW-26	MW-26-1222	N	LF	-	GW	12/8/2022	< 0.50 U	-	-	-	-	-
MW-30-050	MW-30-050-1222	N	LF	-	GW	12/6/2022	< 0.25 U	-	-	-	-	-
MW-31-060	MW-31-060-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
MW-31-135	MW-31-135-1222	N	LF	-	GW	12/7/2022	0.7	-	-	-	-	-
MW-34-080	MW-34-080-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
MW-36-090	MW-36-090-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
MW-36-100	MW-36-100-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
MW-39-040	MW-39-040-1222	N	LF	-	GW	12/6/2022	< 0.25 U	-	-	-	-	-
MW-39-050	MW-39-050-1222	N	LF	-	GW	12/6/2022	< 0.25 U	-	-	-	-	-
MW-39-050	MW-923-Q422	FD	-	MW-39-050-1222	GW	12/6/2022	< 0.25 U	-	-	-	-	-
MW-39-060	MW-39-060-1222	N	LF	-	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-39-070	MW-39-070-1222	N	LF	-	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-39-080	MW-39-080-1222	N	LF	-	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-39-100	MW-39-100-1222	N	LF	-	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-44-115	MW-44-115-1222	N	LF	-	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-44-115	MW-924-Q422	FD	-	MW-44-115-1222	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-44-125	MW-44-125-1222	N	LF	-	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-45-095A	MW-45-095A-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
MW-51	MW-51-1222	N	LF	-	GW	12/8/2022	1.4	-	-	-	-	-
MW-51	MW-925-Q422	FD	-	MW-51-1222	GW	12/8/2022	1.4	-	-	-	-	-
MW-71-035	MW-71-035-1222	N	LF	-	GW	12/7/2022	0.6	0.53	-	-	-	-
MW-71-035	MW-926-Q422	FD	-	MW-71-035-1222	GW	12/7/2022	0.54	0.53	-	-	-	-
MW-76-039	MW-76-039-1222	N	LF	-	GW	12/6/2022	3.3	-	-	-	-	-
MW-76-156	MW-76-156-1222	N	LF	-	GW	12/6/2022	2.2	-	-	-	-	-
MW-76-181	MW-76-181-1222	N	LF	-	GW	12/6/2022	1.2	-	-	-	-	-
MW-76-181	MW-927-Q422	FD	-	MW-76-181-1222	GW	12/6/2022	1.1	-	-	-	-	-
MW-76-218	MW-76-218-1222	N	LF	-	GW	12/6/2022	< 0.50 U	-	-	-	-	-
MW-77-046	MW-77-046-1222	N	LF	-	GW	12/5/2022	0.5 U	-	-	-	-	-
MW-77-102	MW-77-102-1222	N	LF	-	GW	12/5/2022	0.89 J	-	-	-	-	-
MW-77-158	MW-77-158-1222	N	LF	-	GW	12/5/2022	0.5 U	-	-	-	-	-
MW-77-187	MW-77-187-1222	N	LF	-	GW	12/5/2022	0.5 U	-	-	-	-	-
MW-78-070	MW-78-070-1222	N	LF	-	GW	12/7/2022	< 0.50 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)	Sulfate Reducing Bacteria by method BART (CFU/mL)	Total dissolved solids by method SM 2540 C (mg/L)	Total organic carbon by method SM 5310 B (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
IRZ-13D-210	IRZ-13D-210-1222	N	EP	-	GW	12/6/2022	900	-	-	1.2	< 1.0 U
IRZ-13D-210	IRZ-13D-210-121622	N	EP	-	GW	12/16/2022	900	< 0.10 U	10000	-	< 50 U
IRZ-13S-095	IRZ-13S-095-1222	N	EP	-	GW	12/6/2022	460	-	-	< 1.0 U	< 1.0 U
IRZ-13S-095	IRZ-13S-095-121622	N	EP	-	GW	12/16/2022	450	< 0.10 U	4900	-	< 1.0 U
IRZ-23-143	IRZ-23-143-1222	N	EP	-	GW	12/6/2022	490	-	-	1.8	< 1.0 U
IRZ-23-143	IRZ-23-143-121622	N	EP	-	GW	12/16/2022	490	< 0.10 U	4500	-	< 1.0 U
MW-20-070	MW-20-070-1222	N	LF	-	GW	12/8/2022	600	-	-	1.5	< 1.0 U
MW-20-100	MW-20-100-1222	N	-	-	GW	12/8/2022	510	-	-	2.2	< 1.0 U
MW-20-130	MW-20-130-1222	N	-	-	GW	12/8/2022	910	-	-	2.5	< 20 U
MW-21	MW-21-1222	N	LF	-	GW	12/7/2022	1400	-	-	7.1	< 1.0 U
MW-26	MW-26-1222	N	LF	-	GW	12/8/2022	460	-	-	1.6	< 1.0 U
MW-30-050	MW-30-050-1222	N	LF	-	GW	12/6/2022	200	-	-	-	< 1.0 U
MW-31-060	MW-31-060-1222	N	LF	-	GW	12/7/2022	490	-	-	2	< 1.0 U
MW-31-135	MW-31-135-1222	N	LF	-	GW	12/7/2022	580	-	-	1.1	< 1.0 U
MW-34-080	MW-34-080-1222	N	LF	-	GW	12/7/2022	680	-	-	-	< 1.0 U
MW-36-090	MW-36-090-1222	N	LF	-	GW	12/7/2022	240	-	-	-	< 1.0 U
MW-36-100	MW-36-100-1222	N	LF	-	GW	12/7/2022	390	-	-	-	< 1.0 U
MW-39-040	MW-39-040-1222	N	LF	-	GW	12/6/2022	120	-	-	-	2.8
MW-39-050	MW-39-050-1222	N	LF	-	GW	12/6/2022	190	-	-	-	< 1.0 U
MW-39-050	MW-923-Q422	FD	-	MW-39-050-1222	GW	12/6/2022	190	-	-	-	< 1.0 U
MW-39-060	MW-39-060-1222	N	LF	-	GW	12/6/2022	220	-	-	-	< 1.0 U
MW-39-070	MW-39-070-1222	N	LF	-	GW	12/6/2022	290	-	-	-	< 1.0 U
MW-39-080	MW-39-080-1222	N	LF	-	GW	12/6/2022	470	-	-	-	< 1.0 U
MW-39-100	MW-39-100-1222	N	LF	-	GW	12/6/2022	940	-	-	-	< 1.0 U
MW-44-115	MW-44-115-1222	N	LF	-	GW	12/6/2022	1000	-	-	-	< 1.0 U
MW-44-115	MW-924-Q422	FD	-	MW-44-115-1222	GW	12/6/2022	1000	-	-	-	< 1.0 U
MW-44-125	MW-44-125-1222	N	LF	-	GW	12/6/2022	1100	-	-	-	< 1.0 U
MW-45-095A	MW-45-095A-1222	N	LF	-	GW	12/7/2022	360	-	-	-	< 1.0 U
MW-51	MW-51-1222	N	LF	-	GW	12/8/2022	300	-	-	8.9	1.1
MW-51	MW-925-Q422	FD	-	MW-51-1222	GW	12/8/2022	300	-	-	9.2	1.1
MW-71-035	MW-71-035-1222	N	LF	-	GW	12/7/2022	1000	-	-	5.3	< 1.0 U
MW-71-035	MW-926-Q422	FD	-	MW-71-035-1222	GW	12/7/2022	1000	-	-	5.4	< 1.0 U
MW-76-039	MW-76-039-1222	N	LF	-	GW	12/6/2022	220	-	-	1.7	< 1.0 U
MW-76-156	MW-76-156-1222	N	LF	-	GW	12/6/2022	720	-	-	< 1.0 U	< 1.0 U
MW-76-181	MW-76-181-1222	N	LF	-	GW	12/6/2022	820	-	-	< 1.0 U	< 50 U
MW-76-181	MW-927-Q422	FD	-	MW-76-181-1222	GW	12/6/2022	810	-	-	1.6	< 1.0 U
MW-76-218	MW-76-218-1222	N	LF	-	GW	12/6/2022	620	-	-	1.9	< 1.0 U
MW-77-046	MW-77-046-1222	N	LF	-	GW	12/5/2022	990	-	-	-	< 1.0 U
MW-77-102	MW-77-102-1222	N	LF	-	GW	12/5/2022	680	-	-	-	< 1.0 U
MW-77-158	MW-77-158-1222	N	LF	-	GW	12/5/2022	470	-	-	-	< 1.0 U
MW-77-187	MW-77-187-1222	N	LF	-	GW	12/5/2022	580	-	-	-	< 1.0 U
MW-78-070	MW-78-070-1222	N	LF	-	GW	12/7/2022	480	-	-	2.2	< 1.0 U

PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Alkalinity, bicarb as CaCO3 by method SM 2320 B (mg/L)	Alkalinity, carb as CaCO3 by method SM 2320 B (mg/L)	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)	Bromide by method EPA 300.0 (mg/L)
MW-78-142	MW-78-142-1222	N	LF	-	GW	12/7/2022	-	-	-	2.7	30	-
MW-79-058	MW-79-058-1222	N	LF	-	GW	12/8/2022	-	-	-	< 0.10 U	180	-
MW-79-102	MW-79-102-1222	N	LF	-	GW	12/8/2022	-	-	-	1.2	42	-
MW-80-057	MW-80-057-1222	N	LF	-	GW	12/7/2022	-	-	-	0.65	77	-
MW-80-082	MW-80-082-1222	N	LF	-	GW	12/7/2022	-	-	-	1.9	56	-
MW-81-043	MW-81-043-1222	N	LF	-	GW	12/6/2022	-	-	-	5	81	-
MW-81-098	MW-81-098-1222	N	LF	-	GW	12/6/2022	-	-	-	< 0.10 U	56	-
MW-82-046	MW-82-046-1222	N	LF	-	GW	12/5/2022	-	-	-	17 J	55	-
MW-82-046	MW-928-Q422	FD	-	MW-82-046-1222	GW	12/5/2022	-	-	-	19 J	60	-
MW-82-112	MW-82-112-1222	N	LF	-	GW	12/5/2022	-	-	-	-	63	-
MW-82-168	MW-82-168-1222	N	LF	-	GW	12/5/2022	-	-	-	1 J	30	-
MW-82-198	MW-82-198-1222	N	LF	-	GW	12/5/2022	-	-	-	1.5 J	34	-
TW-02D	TW-02D-1222	N	LF	-	GW	12/7/2022	-	-	-	6.1 J	14	-
TW-02S	TW-02S-1222	N	LF	-	GW	12/7/2022	-	-	-	0.62 J	210	-
TW-03D	TW-03D-1222	N	LF	-	GW	12/7/2022	-	-	-	4.3 J	21	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith 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

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LF = low flow
mg/L = milligrams per liter
N = Normal
SM = standard method
SW = solid waste
U = analyte not detected

PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Chromium, total by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)
MW-78-142	MW-78-142-1222	N	LF	-	GW	12/7/2022	-	-	-	2700	-	-
MW-79-058	MW-79-058-1222	N	LF	-	GW	12/8/2022	-	-	-	290	-	-
MW-79-102	MW-79-102-1222	N	LF	-	GW	12/8/2022	-	-	-	78	-	-
MW-80-057	MW-80-057-1222	N	LF	-	GW	12/7/2022	-	-	-	690	-	-
MW-80-082	MW-80-082-1222	N	LF	-	GW	12/7/2022	-	-	-	8.3	-	-
MW-81-043	MW-81-043-1222	N	LF	-	GW	12/6/2022	-	-	-	17	-	-
MW-81-098	MW-81-098-1222	N	LF	-	GW	12/6/2022	-	-	-	3.6	-	-
MW-82-046	MW-82-046-1222	N	LF	-	GW	12/5/2022	-	-	-	< 1.0 U	-	-
MW-82-046	MW-928-Q422	FD	-	MW-82-046-1222	GW	12/5/2022	-	-	-	< 1.0 U	-	-
MW-82-112	MW-82-112-1222	N	LF	-	GW	12/5/2022	-	-	-	< 1.0 U	-	-
MW-82-168	MW-82-168-1222	N	LF	-	GW	12/5/2022	-	-	-	< 0.20 U	-	-
MW-82-198	MW-82-198-1222	N	LF	-	GW	12/5/2022	-	-	-	< 1.0 U	-	-
TW-02D	TW-02D-1222	N	LF	-	GW	12/7/2022	-	-	-	54	-	-
TW-02S	TW-02S-1222	N	LF	-	GW	12/7/2022	-	-	-	140	-	-
TW-03D	TW-03D-1222	N	LF	-	GW	12/7/2022	-	-	-	170	-	-

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mg/L = milligrams per liter
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SM = standard method
SW = solid waste
U = analyte not detected

PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Hardness, total as CaCO3 by method SM 2340 B (mg/L)	Iron by method SW 6010B (µg/L)	Iron Related Bacteria by method BART (CFU/mL)
MW-78-142	MW-78-142-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-79-058	MW-79-058-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
MW-79-102	MW-79-102-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
MW-80-057	MW-80-057-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-80-082	MW-80-082-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
MW-81-043	MW-81-043-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-81-098	MW-81-098-1222	N	LF	-	GW	12/6/2022	-	-	-	-	-	-
MW-82-046	MW-82-046-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
MW-82-046	MW-928-Q422	FD	-	MW-82-046-1222	GW	12/5/2022	-	-	-	-	-	-
MW-82-112	MW-82-112-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
MW-82-168	MW-82-168-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
MW-82-198	MW-82-198-1222	N	LF	-	GW	12/5/2022	-	-	-	-	-	-
TW-02D	TW-02D-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
TW-02S	TW-02S-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-
TW-03D	TW-03D-1222	N	LF	-	GW	12/7/2022	-	-	-	-	-	-

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SM = standard method
SW = solid waste
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PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Iron, dissolved by method SW 6010B (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)	Modified Fouling Index by method MFI (CFU/mL)
MW-78-142	MW-78-142-1222	N	LF	-	GW	12/7/2022	< 20 U	-	-	-	3.3	-
MW-79-058	MW-79-058-1222	N	LF	-	GW	12/8/2022	23 J	-	-	-	< 0.50 U	-
MW-79-102	MW-79-102-1222	N	LF	-	GW	12/8/2022	150 J	-	-	-	8.5	-
MW-80-057	MW-80-057-1222	N	LF	-	GW	12/7/2022	< 20 U	-	-	-	0.52	-
MW-80-082	MW-80-082-1222	N	LF	-	GW	12/7/2022	< 20 U	-	-	-	280	-
MW-81-043	MW-81-043-1222	N	LF	-	GW	12/6/2022	29	-	-	-	50 J	-
MW-81-098	MW-81-098-1222	N	LF	-	GW	12/6/2022	< 20 U	-	-	-	130 J	-
MW-82-046	MW-82-046-1222	N	LF	-	GW	12/5/2022	5400	-	-	-	240	-
MW-82-046	MW-928-Q422	FD	-	MW-82-046-1222	GW	12/5/2022	5700	-	-	-	260	-
MW-82-112	MW-82-112-1222	N	LF	-	GW	12/5/2022	< 20 U	-	-	-	180	-
MW-82-168	MW-82-168-1222	N	LF	-	GW	12/5/2022	48	-	-	-	37	-
MW-82-198	MW-82-198-1222	N	LF	-	GW	12/5/2022	53	-	-	-	63	-
TW-02D	TW-02D-1222	N	LF	-	GW	12/7/2022	38 J	-	-	-	7.1	-
TW-02S	TW-02S-1222	N	LF	-	GW	12/7/2022	61 J	-	-	-	< 0.50 U	-
TW-03D	TW-03D-1222	N	LF	-	GW	12/7/2022	< 20 UJ	-	-	-	29	-

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LF = low flow
mg/L = milligrams per liter
N = Normal
SM = standard method
SW = solid waste
U = analyte not detected

PCM 2022-12 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)	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)	Slime Forming Bacteria by method BART (CFU/mL)	Sodium by method SW 6010B (µg/L)
MW-78-142	MW-78-142-1222	N	LF	-	GW	12/7/2022	4.5	-	-	-	-	-
MW-79-058	MW-79-058-1222	N	LF	-	GW	12/8/2022	1.1	-	-	-	-	-
MW-79-102	MW-79-102-1222	N	LF	-	GW	12/8/2022	< 0.50 U	-	-	-	-	-
MW-80-057	MW-80-057-1222	N	LF	-	GW	12/7/2022	7.2	-	-	-	-	-
MW-80-082	MW-80-082-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
MW-81-043	MW-81-043-1222	N	LF	-	GW	12/6/2022	1.2	-	-	-	-	-
MW-81-098	MW-81-098-1222	N	LF	-	GW	12/6/2022	0.81	-	-	-	-	-
MW-82-046	MW-82-046-1222	N	LF	-	GW	12/5/2022	0.5 U	-	-	-	-	-
MW-82-046	MW-928-Q422	FD	-	MW-82-046-1222	GW	12/5/2022	0.5 U	-	-	-	-	-
MW-82-112	MW-82-112-1222	N	LF	-	GW	12/5/2022	1.1 J	-	-	-	-	-
MW-82-168	MW-82-168-1222	N	LF	-	GW	12/5/2022	0.5 U	-	-	-	-	-
MW-82-198	MW-82-198-1222	N	LF	-	GW	12/5/2022	0.5 U	-	-	-	-	-
TW-02D	TW-02D-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-
TW-02S	TW-02S-1222	N	LF	-	GW	12/7/2022	1.1	-	-	-	-	-
TW-03D	TW-03D-1222	N	LF	-	GW	12/7/2022	< 0.50 U	-	-	-	-	-

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PCM 2022-12 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sulfate by method EPA 300.0 (mg/L)	Sulfate Reducing Bacteria by method BART (CFU/mL)	Total dissolved solids by method SM 2540 C (mg/L)	Total organic carbon by method SM 5310 B (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
MW-78-142	MW-78-142-1222	N	LF	-	GW	12/7/2022	710	-	-	1.1	< 1.0 U
MW-79-058	MW-79-058-1222	N	LF	-	GW	12/8/2022	530	-	-	< 1.0 U	< 1.0 U
MW-79-102	MW-79-102-1222	N	LF	-	GW	12/8/2022	500	-	-	< 1.0 U	< 1.0 U
MW-80-057	MW-80-057-1222	N	LF	-	GW	12/7/2022	500	-	-	1.6	< 1.0 U
MW-80-082	MW-80-082-1222	N	LF	-	GW	12/7/2022	540	-	-	1.1	< 1.0 U
MW-81-043	MW-81-043-1222	N	LF	-	GW	12/6/2022	300	-	-	-	< 1.0 U
MW-81-098	MW-81-098-1222	N	LF	-	GW	12/6/2022	720	-	-	-	< 1.0 U
MW-82-046	MW-82-046-1222	N	LF	-	GW	12/5/2022	1600	-	-	-	< 20 U
MW-82-046	MW-928-Q422	FD	-	MW-82-046-1222	GW	12/5/2022	1600	-	-	-	1.6
MW-82-112	MW-82-112-1222	N	LF	-	GW	12/5/2022	740	-	-	-	< 1.0 U
MW-82-168	MW-82-168-1222	N	LF	-	GW	12/5/2022	500	-	-	-	< 1.0 U
MW-82-198	MW-82-198-1222	N	LF	-	GW	12/5/2022	690	-	-	-	< 1.0 U
TW-02D	TW-02D-1222	N	LF	-	GW	12/7/2022	640	-	-	< 1.0 U	< 1.0 U
TW-02S	TW-02S-1222	N	LF	-	GW	12/7/2022	400	-	-	< 1.0 U	< 1.0 U
TW-03D	TW-03D-1222	N	LF	-	GW	12/7/2022	630	-	-	1.2	< 1.0 U

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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

Unvalidated PCM 2023-01 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)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)
IRZ-09-100	IRZ-09-100-0123	N	EP	-	GW	1/24/2023	-	-	16	< 20 U	< 20 U	2	1.5
IRZ-13D-210	IRZ-13D-210-0123	N	EP	-	GW	1/24/2023	-	-	360	< 20 U	< 20 U	< 0.50 U	1.6
IRZ-13S-095	IRZ-13S-095-0123	N	EP	-	GW	1/24/2023	-	-	39	32	< 20 U	6.4	1.8
IRZ-23-143	IRZ-23-143-0123	N	EP	-	GW	1/24/2023	-	-	660	680	< 20 U	< 0.50 U	3.8
MW-20-070	MW-20-070-0123	N	LF	-	GW	1/12/2023	1.9	56	1700	-	< 20 U	0.85	33
MW-20-100	MW-20-100-0123	N	LF	-	GW	1/12/2023	1.7	25	1700	-	39	0.53	7.6
MW-20-130	MW-20-130-0123	N	LF	-	GW	1/12/2023	3	33	2000	-	680	6.7	6.7
MW-21	MW-21-0123	N	LF	-	GW	1/11/2023	15	18	< 0.20 U	-	73	140	< 0.50 U
MW-26	MW-26-0123	N	LF	-	GW	1/12/2023	2.2	74	0.66	-	< 20 U	640	< 0.50 U
MW-30-050	MW-30-050-0123	N	LF	-	GW	1/13/2023	3.7	19	< 0.20 U	-	57	310	< 0.50 U
MW-31-060	MW-31-060-0123	N	LF	-	GW	1/10/2023	2.2	210	< 2.0 U	-	41	2100	< 0.50 U
MW-31-135	MW-31-135-0123	N	LF	-	GW	1/10/2023	< 0.10 U	37	3.4	-	97	15	< 0.50 U
MW-31-135	MW-903-Q123	FD	-	MW-31-135-0123	GW	1/10/2023	0.51	38	3.6	-	58	18	< 0.50 U
MW-34-080	MW-34-080-0123	N	LF	-	GW	1/13/2023	< 0.10 U	36	< 0.20 U	-	250	160	< 0.50 U
MW-36-090	MW-36-090-0123	N	LF	-	GW	1/13/2023	2.3	41	< 0.20 U	-	72	130	< 0.50 U
MW-36-100	MW-36-100-0123	N	-	-	GW	1/13/2023	4.5	63	< 0.20 U	-	760	670	< 0.50 U
MW-39-040	MW-39-040-0123	N	LF	-	GW	1/9/2023	11	74	< 0.20 U	-	270	100	< 0.25 U
MW-39-040	MW-904-Q123	FD	-	MW-39-040-0123	GW	1/9/2023	11	73	< 0.20 U	-	290	100	< 0.25 U
MW-39-050	MW-39-050-0123	N	LF	-	GW	1/9/2023	1.5	47	< 0.20 U	-	28	240	< 0.25 U
MW-39-060	MW-39-060-0123	N	LF	-	GW	1/9/2023	1.3	51	< 0.20 U	-	69	250	< 0.50 U
MW-39-070	MW-39-070-0123	N	LF	-	GW	1/9/2023	1.1	42	< 0.20 U	-	22	23	< 0.50 U
MW-39-080	MW-39-080-0123	N	LF	-	GW	1/9/2023	0.84	29	4.9	-	< 20 U	9.1	< 0.50 U
MW-39-100	MW-39-100-0123	N	LF	-	GW	1/9/2023	< 0.10 U	33	270	-	< 20 U	13	< 0.50 U
MW-39-100	MW-905-Q123	FD	-	MW-39-100-0123	GW	1/9/2023	< 0.10 U	34	270	-	< 20 U	14	< 0.50 U
MW-44-115	MW-44-115-0123	N	LF	-	GW	1/10/2023	1.2	22	3.2	-	57	15	< 0.50 U
MW-44-125	MW-44-125-0123	N	LF	-	GW	1/10/2023	1.4	49	< 1.0 U	-	490	520	< 0.50 U
MW-44-125	MW-906-Q123	FD	-	MW-44-125-0123	GW	1/10/2023	< 0.10 U	48	< 1.0 U	-	390	500	< 0.50 U
MW-45-095A	MW-45-095A-0123	N	LF	-	GW	1/10/2023	0.66	43	< 0.20 U	-	46	460	< 0.50 U
MW-51	MW-51-0123	N	LF	-	GW	1/12/2023	3	98	520	-	< 20 U	100	1.2
MW-71-035	MW-71-035-0123	N	LF	-	GW	1/11/2023	< 0.10 U	40	2.3	-	35	100	0.79
MW-71-035	MW-907-Q123	FD	-	MW-71-035-0123	GW	1/11/2023	< 0.10 U	39	2.2	-	41	98	0.86
MW-76-039	MW-76-039-0123	N	LF	-	GW	1/10/2023	0.22	57	250	-	150	0.73	3.3
MW-76-156	MW-76-156-0123	N	LF	-	GW	1/10/2023	< 0.10 U	44	17	-	160	56	1.9
MW-76-181	MW-76-181-0123	N	LF	-	GW	1/10/2023	< 0.10 U	42	460	-	88	19	1.1
MW-76-218	MW-76-218-0123	N	LF	-	GW	1/10/2023	< 0.10 U	83	< 1.0 U	-	32	420	< 0.50 U
MW-77-046	MW-77-046-0123	N	LF	-	GW	1/9/2023	2.6	100	< 0.20 U	-	200	440	< 0.50 U
MW-77-102	MW-77-102-0123	N	LF	-	GW	1/9/2023	< 0.10 U	79	< 1.0 U	-	< 20 U	130	0.98
MW-77-158	MW-77-158-0123	N	LF	-	GW	1/9/2023	3.1	35	< 1.0 U	-	85	74	< 0.50 U
MW-77-187	MW-77-187-0123	N	LF	-	GW	1/9/2023	2.4	27	22	-	< 20 U	13	0.65
MW-78-070	MW-78-070-0123	N	LF	-	GW	1/11/2023	< 0.10 U	160	9.5	-	< 20 U	380	< 0.50 U
MW-78-142	MW-78-142-0123	N	LF	-	GW	1/11/2023	1.2	27	2400	-	< 20 U	2.3	4.4
MW-79-058	MW-79-058-0123	N	LF	-	GW	1/11/2023	< 0.10 U	210	110	-	< 20 U	7.1	< 0.50 U
MW-79-102	MW-79-102-0123	N	LF	-	GW	1/11/2023	0.57	41	330	-	< 20 U	8.5	< 0.50 U

Unvalidated PCM 2023-01 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)	Total organic carbon by method SM 5310 C (mg/L)
IRZ-09-100	IRZ-09-100-0123	N	EP	-	GW	1/24/2023	-	-	450	< 1.0 U	< 1.0 U
IRZ-13D-210	IRZ-13D-210-0123	N	EP	-	GW	1/24/2023	-	-	880	< 1.0 U	< 1.0 U
IRZ-13S-095	IRZ-13S-095-0123	N	EP	-	GW	1/24/2023	-	-	420	< 1.0 U	< 1.0 U
IRZ-23-143	IRZ-23-143-0123	N	EP	-	GW	1/24/2023	-	-	470	< 1.0 U	< 1.0 U
MW-20-070	MW-20-070-0123	N	LF	-	GW	1/12/2023	-	-	680	1.4	< 1.0 U
MW-20-100	MW-20-100-0123	N	LF	-	GW	1/12/2023	-	-	410	1.8	< 1.0 U
MW-20-130	MW-20-130-0123	N	LF	-	GW	1/12/2023	-	-	1300	4	< 1.0 U
MW-21	MW-21-0123	N	LF	-	GW	1/11/2023	-	5.4	850	14	< 1.0 U
MW-26	MW-26-0123	N	LF	-	GW	1/12/2023	-	-	430	1.3	< 1.0 U
MW-30-050	MW-30-050-0123	N	LF	-	GW	1/13/2023	-	-	210	-	< 1.0 U
MW-31-060	MW-31-060-0123	N	LF	-	GW	1/10/2023	-	-	410	40	< 1.0 U
MW-31-135	MW-31-135-0123	N	LF	-	GW	1/10/2023	-	-	560	< 1.0 U	< 1.0 U
MW-31-135	MW-903-Q123	FD	-	MW-31-135-0123	GW	1/10/2023	-	-	560	< 1.0 U	< 1.0 U
MW-34-080	MW-34-080-0123	N	LF	-	GW	1/13/2023	-	-	730	-	< 1.0 U
MW-36-090	MW-36-090-0123	N	LF	-	GW	1/13/2023	-	-	300	-	< 1.0 U
MW-36-100	MW-36-100-0123	N	-	-	GW	1/13/2023	< 0.10 U	-	360	-	< 1.0 U
MW-39-040	MW-39-040-0123	N	LF	-	GW	1/9/2023	-	-	120	-	2.2
MW-39-040	MW-904-Q123	FD	-	MW-39-040-0123	GW	1/9/2023	-	-	120	-	2.2
MW-39-050	MW-39-050-0123	N	LF	-	GW	1/9/2023	-	-	200	-	< 1.0 U
MW-39-060	MW-39-060-0123	N	LF	-	GW	1/9/2023	-	-	240	-	< 1.0 U
MW-39-070	MW-39-070-0123	N	LF	-	GW	1/9/2023	-	-	330	-	< 1.0 U
MW-39-080	MW-39-080-0123	N	LF	-	GW	1/9/2023	-	-	620	-	< 1.0 U
MW-39-100	MW-39-100-0123	N	LF	-	GW	1/9/2023	-	-	920	-	< 1.0 U
MW-39-100	MW-905-Q123	FD	-	MW-39-100-0123	GW	1/9/2023	-	-	930	-	< 1.0 U
MW-44-115	MW-44-115-0123	N	LF	-	GW	1/10/2023	-	-	1000	-	< 1.0 U
MW-44-125	MW-44-125-0123	N	LF	-	GW	1/10/2023	< 0.10 U	-	1100	-	< 1.0 U
MW-44-125	MW-906-Q123	FD	-	MW-44-125-0123	GW	1/10/2023	< 0.10 U	-	1100	-	< 1.0 U
MW-45-095A	MW-45-095A-0123	N	LF	-	GW	1/10/2023	-	-	360	-	< 1.0 U
MW-51	MW-51-0123	N	LF	-	GW	1/12/2023	-	-	450	4.7	< 1.0 U
MW-71-035	MW-71-035-0123	N	LF	-	GW	1/11/2023	0.54	2.7	1000	4.5	< 1.0 U
MW-71-035	MW-907-Q123	FD	-	MW-71-035-0123	GW	1/11/2023	0.55	2.6	1000	4.1	< 1.0 U
MW-76-039	MW-76-039-0123	N	LF	-	GW	1/10/2023	-	-	220	< 1.0 U	< 1.0 U
MW-76-156	MW-76-156-0123	N	LF	-	GW	1/10/2023	-	-	740	1.2	< 1.0 U
MW-76-181	MW-76-181-0123	N	LF	-	GW	1/10/2023	-	-	770	1	< 1.0 U
MW-76-218	MW-76-218-0123	N	LF	-	GW	1/10/2023	-	-	630	1.5	< 1.0 U
MW-77-046	MW-77-046-0123	N	LF	-	GW	1/9/2023	-	-	1000	-	< 20 U
MW-77-102	MW-77-102-0123	N	LF	-	GW	1/9/2023	-	-	860	-	< 1.0 U
MW-77-158	MW-77-158-0123	N	LF	-	GW	1/9/2023	-	-	580	-	< 1.0 U
MW-77-187	MW-77-187-0123	N	LF	-	GW	1/9/2023	-	-	710	-	< 1.0 U
MW-78-070	MW-78-070-0123	N	LF	-	GW	1/11/2023	-	-	480	< 1.0 U	< 1.0 U
MW-78-142	MW-78-142-0123	N	LF	-	GW	1/11/2023	-	-	690	< 1.0 U	< 1.0 U
MW-79-058	MW-79-058-0123	N	LF	-	GW	1/11/2023	-	-	470	< 1.0 U	< 1.0 U
MW-79-102	MW-79-102-0123	N	LF	-	GW	1/11/2023	-	-	500	< 1.0 U	< 1.0 U

Unvalidated PCM 2023-01 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)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)
MW-80-057	MW-80-057-0123	N	LF	-	GW	1/11/2023	< 0.10 U	81	350	-	< 20 U	6.5	3.3
MW-80-082	MW-80-082-0123	N	LF	-	GW	1/11/2023	< 0.10 U	51	3.4	-	37	570	< 0.50 U
MW-81-043	MW-81-043-0123	N	LF	-	GW	1/11/2023	3.1	76	20	-	24	18	1.2
MW-81-098	MW-81-098-0123	N	LF	-	GW	1/11/2023	< 0.10 U	75	1.3	-	24	110	0.64
MW-82-046	MW-82-046-0123	N	LF	-	GW	1/10/2023	17	59	< 0.20 U	-	4300	310	< 0.50 U
MW-82-112	MW-82-112-0123	N	LF	-	GW	1/10/2023	< 0.10 U	44	< 1.0 U	-	36	86	0.9
MW-82-168	MW-82-168-0123	N	LF	-	GW	1/10/2023	< 0.10 U	35	< 0.20 U	-	59	37	< 0.50 U
MW-82-198	MW-82-198-0123	N	LF	-	GW	1/10/2023	0.99	38	< 0.20 U	-	110	71	< 0.50 U
MW-82-198	MW-908-Q123	FD	-	MW-82-198-0123	GW	1/10/2023	0.73	38	< 0.20 U	-	180	68	< 0.50 U
TW-02D	TW-02D-0123	N	LF	-	GW	1/12/2023	7.7	13	34	-	< 20 U	8.7	< 0.50 U
TW-02S	TW-02S-0123	N	LF	-	GW	1/12/2023	1.3	200	120	-	90	0.91	1.2
TW-03D	TW-03D-0123	N	LF	-	GW	1/12/2023	7.1	20	97	-	< 20 U	44	< 0.50 U

Notes:

All samples were sent to Asset Laboratories for analyses wiith 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:

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 2023-01 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)	Total organic carbon by method SM 5310 C (mg/L)
MW-80-057	MW-80-057-0123	N	LF	-	GW	1/11/2023	-	-	500	< 1.0 U	< 1.0 U
MW-80-082	MW-80-082-0123	N	LF	-	GW	1/11/2023	-	-	470	< 1.0 U	< 20 U
MW-81-043	MW-81-043-0123	N	LF	-	GW	1/11/2023	-	-	270	-	< 1.0 U
MW-81-098	MW-81-098-0123	N	LF	-	GW	1/11/2023	-	-	640	-	< 1.0 U
MW-82-046	MW-82-046-0123	N	LF	-	GW	1/10/2023	-	-	1700	-	1.5
MW-82-112	MW-82-112-0123	N	LF	-	GW	1/10/2023	-	-	660	-	< 1.0 U
MW-82-168	MW-82-168-0123	N	LF	-	GW	1/10/2023	-	-	450	-	< 1.0 U
MW-82-198	MW-82-198-0123	N	LF	-	GW	1/10/2023	-	-	610	-	< 1.0 U
MW-82-198	MW-908-Q123	FD	-	MW-82-198-0123	GW	1/10/2023	-	-	620	-	< 1.0 U
TW-02D	TW-02D-0123	N	LF	-	GW	1/12/2023	-	-	570	1.1	< 1.0 U
TW-02S	TW-02S-0123	N	LF	-	GW	1/12/2023	-	-	410	1.3	< 1.0 U
TW-03D	TW-03D-0123	N	LF	-	GW	1/12/2023	-	-	590	1.1	< 1.0 U

Notes:

All samples were sent to Asset Laboratories for analyses wiith 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:

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 2023-02 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method TIMBERLINE (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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
IRZ-09-100	IRZ-09-100-Q123	N	EP	-	GW	2/14/2023	-	-	-	17	-	< 20 U	< 20 U
IRZ-13D-210	IRZ-13D-210-Q123	N	EP	-	GW	2/14/2023	-	-	-	350	-	< 20 U	< 20 U
IRZ-13S-095	IRZ-13S-095-Q123	N	EP	-	GW	2/14/2023	-	-	-	40	-	< 20 U	< 20 U
IRZ-15-055	IRZ-15-055-Q123	N	EP	-	GW	2/22/2023	-	< 0.10 U	43	27	25	-	< 20 U
IRZ-15-200	IRZ-15-200-Q123	N	EP	-	GW	2/22/2023	-	< 0.10 U	27	65	58	-	< 20 U
IRZ-21-065	IRZ-21-065-Q123	N	EP	-	GW	2/28/2023	< 0.20 U	< 0.10 U	71	1.6	2.8	-	< 20 U
IRZ-21-065	MW-910-Q123	FD	-	IRZ-21-065-Q123	GW	2/28/2023	< 0.20 U	< 0.10 U	69	1.2	1.8	-	< 20 U
IRZ-21-157	IRZ-21-157-Q123	N	EP	-	GW	2/28/2023	< 0.20 U	< 0.10 U	70	2.8	4.8	-	< 20 U
IRZ-23-143	IRZ-23-143-Q123	N	EP	-	GW	2/14/2023	-	-	-	650	-	39	< 20 U
IRZ-25-100	IRZ-25-100-Q123	N	EP	-	GW	2/28/2023	< 0.20 U	< 0.10 U	210	450	570	-	24
IRZ-25-100	MW-911-Q123	FD	-	IRZ-25-100-Q123	GW	2/28/2023	< 0.20 U	< 0.10 U	190	400	380	-	< 20 U
IRZ-25-166	IRZ-25-166-Q123	N	EP	-	GW	2/28/2023	< 0.20 U	< 0.10 U	170	430	420	-	43
MW-20-070	MW-20-070-Q123	N	LF	-	GW	2/10/2023	< 0.20 U	0.6	60	2000	2300	-	< 20 U
MW-20-100	MW-20-100-Q123	N	LF	-	GW	2/10/2023	< 0.20 U	0.87	31	1400	1400	-	< 20 U
MW-20-100	MW-912-Q123	FD	-	MW-20-100-Q123	GW	2/10/2023	< 0.20 U	0.81	32	1400	1700	-	< 20 U
MW-20-130	MW-20-130-Q123	N	LF	-	GW	2/10/2023	< 0.20 U	< 0.10 U	27	3200	3700	-	< 20 U
MW-21	MW-21-Q123	N	LF	-	GW	2/9/2023	< 0.20	7.2	22	0.21	2.8	-	280
MW-22	MW-22-Q123	N	LF	-	GW	2/22/2023	4.6	3.5	86	< 1.0 U	-	-	13000
MW-26	MW-26-Q123	N	LF	-	GW	2/9/2023	< 0.20	< 0.10 U	100	< 1.0 U	< 1.0 U	-	< 20 U
MW-26	MW-913-Q123	FD	-	MW-26-Q123	GW	2/9/2023	< 0.20	< 0.10 U	110	< 1.0 U	< 1.0 U	-	< 20 U
MW-27-020	MW-27-020-Q123	N	LF	-	GW	2/22/2023	-	0.91	55	< 0.20 U	-	-	< 20 U
MW-27-060	MW-27-060-Q123	N	LF	-	GW	2/22/2023	-	9.1	170	< 0.20 U	-	-	690
MW-27-085	MW-27-085-Q123	N	LF	-	GW	2/22/2023	-	< 0.10 U	45	< 1.0 U	-	-	240
MW-28-025	MW-28-025-Q123	N	LF	-	GW	2/17/2023	-	0.55	58	< 0.20 U	-	-	< 20 U
MW-28-090	MW-28-090-Q123	N	LF	-	GW	2/17/2023	-	< 0.10 U	47	< 0.20 U	-	-	770
MW-29	MW-29-Q123	N	LF	-	GW	2/21/2023	-	-	-	< 1.0 U	-	-	-
MW-30-030	MW-30-030-Q123	N	LF	-	GW	2/6/2023	-	< 0.10 U	330	< 1.0 U	-	-	870
MW-30-050	MW-30-050-Q123	N	LF	-	GW	2/6/2023	-	3.9	24	< 0.20 U	-	-	42
MW-31-060	MW-31-060-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	< 0.10 U	400	< 1.0 U	< 1.0 U	-	38
MW-31-135	MW-31-135-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	< 0.10 U	45	16	19	-	< 20 U
MW-31-135	MW-914-Q123	FD	-	MW-31-135-Q123	GW	2/8/2023	< 0.20 U	< 0.10 U	44	15	18	-	< 20 U
MW-32-020	MW-32-020-Q123	N	LF	-	GW	2/14/2023	-	2	96	< 1.0 U	-	-	6900
MW-32-035	MW-32-035-Q123	N	LF	-	GW	2/14/2023	-	5.3	360	< 1.0 U	-	-	26000
MW-33-040	MW-33-040-Q123	N	LF	-	GW	2/14/2023	-	-	-	< 1.0 U	-	-	-
MW-33-090	MW-33-090-Q123	N	LF	-	GW	2/14/2023	-	-	-	6.9	-	-	-
MW-33-150	MW-33-150-Q123	N	LF	-	GW	2/14/2023	-	-	-	14	-	-	-
MW-33-210	MW-33-210-Q123	N	LF	-	GW	2/14/2023	-	-	-	14	-	-	-
MW-34-055	MW-34-055-Q123	N	LF	-	GW	2/22/2023	-	3.5	28	0.23	-	-	< 20 U
MW-34-080	MW-34-080-Q123	N	LF	-	GW	2/8/2023	-	< 0.10 U	42	< 0.20 U	-	-	180
MW-34-100	MW-34-100-Q123	N	LF	-	GW	2/22/2023	-	< 0.10 U	18	< 1.0 U	-	-	22
MW-35-060	MW-35-060-Q123	N	LF	-	GW	2/23/2023	-	-	-	20	-	-	-
MW-35-135	MW-35-135-Q123	N	LF	-	GW	2/23/2023	-	-	-	28	-	-	-

Unvalidated PCM 2023-02 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)	Sulfate by method EPA 300.0 (mg/L)
IRZ-09-100	IRZ-09-100-Q123	N	EP	-	GW	2/14/2023	1.5	-	1.3	-	-	-	430
IRZ-13D-210	IRZ-13D-210-Q123	N	EP	-	GW	2/14/2023	< 0.50 U	-	1.4	-	-	-	860
IRZ-13S-095	IRZ-13S-095-Q123	N	EP	-	GW	2/14/2023	< 0.50 U	-	1.6	-	-	-	420
IRZ-15-055	IRZ-15-055-Q123	N	EP	-	GW	2/22/2023	2.3	24	< 0.50 U	-	< 5.0 U	< 0.50 U	410
IRZ-15-200	IRZ-15-200-Q123	N	EP	-	GW	2/22/2023	4.9	38	< 0.50 U	-	< 5.0 U	< 0.50 U	450
IRZ-21-065	IRZ-21-065-Q123	N	EP	-	GW	2/28/2023	66	20	< 0.25 U	-	< 2.5 U	< 0.50 U	350
IRZ-21-065	MW-910-Q123	FD	-	IRZ-21-065-Q123	GW	2/28/2023	65	19	< 0.25 U	-	< 2.5 U	< 0.50 U	350
IRZ-21-157	IRZ-21-157-Q123	N	EP	-	GW	2/28/2023	61	22	< 0.25 U	-	< 2.5 U	< 0.50 U	340
IRZ-23-143	IRZ-23-143-Q123	N	EP	-	GW	2/14/2023	< 0.50 U	-	3.4	-	-	-	470
IRZ-25-100	IRZ-25-100-Q123	N	EP	-	GW	2/28/2023	< 0.50 U	7.3	1.4	-	< 5.0 U	1.6	420
IRZ-25-100	MW-911-Q123	FD	-	IRZ-25-100-Q123	GW	2/28/2023	< 0.50 U	6.9	1.2	-	< 5.0 U	1.2	420
IRZ-25-166	IRZ-25-166-Q123	N	EP	-	GW	2/28/2023	< 0.50 U	7.6	1.2	-	< 5.0 U	1.5	430
MW-20-070	MW-20-070-Q123	N	LF	-	GW	2/10/2023	< 0.50 U	21	29	-	< 5.0 U	39	620
MW-20-100	MW-20-100-Q123	N	LF	-	GW	2/10/2023	< 0.50 U	3.7	5.2	-	< 5.0 U	8.3	290
MW-20-100	MW-912-Q123	FD	-	MW-20-100-Q123	GW	2/10/2023	< 0.50 U	3.7	4.9	-	< 5.0 U	8.4	300
MW-20-130	MW-20-130-Q123	N	LF	-	GW	2/10/2023	< 0.50 U	15	9.1	-	< 5.0 U	57	830
MW-21	MW-21-Q123	N	LF	-	GW	2/9/2023	130	100	< 0.25 U	-	< 2.5 U	0.99	1300
MW-22	MW-22-Q123	N	LF	-	GW	2/22/2023	3400	-	< 0.50 U	< 0.10 U	-	-	-
MW-26	MW-26-Q123	N	LF	-	GW	2/9/2023	530	4.5	< 0.50 U	-	< 5.0 U	< 0.50 U	330
MW-26	MW-913-Q123	FD	-	MW-26-Q123	GW	2/9/2023	520	4.7	< 0.50 U	-	< 5.0 U	< 0.50 U	330
MW-27-020	MW-27-020-Q123	N	LF	-	GW	2/22/2023	54	-	< 0.25 U	-	-	-	-
MW-27-060	MW-27-060-Q123	N	LF	-	GW	2/22/2023	400	-	< 0.25 U	< 0.10 U	-	-	-
MW-27-085	MW-27-085-Q123	N	LF	-	GW	2/22/2023	340	-	< 0.25 U	< 0.10 U	-	-	-
MW-28-025	MW-28-025-Q123	N	LF	-	GW	2/17/2023	1	-	< 0.050 U	-	-	-	-
MW-28-090	MW-28-090-Q123	N	LF	-	GW	2/17/2023	4.2	-	< 0.25 U	-	-	-	-
MW-29	MW-29-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	-	-	-
MW-30-030	MW-30-030-Q123	N	LF	-	GW	2/6/2023	290	-	< 0.25 U	-	-	-	-
MW-30-050	MW-30-050-Q123	N	LF	-	GW	2/6/2023	300	-	< 0.25 U	-	-	-	190
MW-31-060	MW-31-060-Q123	N	LF	-	GW	2/8/2023	2400	0.57	< 0.50 U	-	< 5.0 U	< 0.50 U	460
MW-31-135	MW-31-135-Q123	N	LF	-	GW	2/8/2023	8.6	31	0.78	-	< 5.0 U	< 0.50 U	580
MW-31-135	MW-914-Q123	FD	-	MW-31-135-Q123	GW	2/8/2023	6.8	30	0.62	-	< 5.0 U	< 0.50 U	580
MW-32-020	MW-32-020-Q123	N	LF	-	GW	2/14/2023	300	-	< 0.50 U	-	-	-	-
MW-32-035	MW-32-035-Q123	N	LF	-	GW	2/14/2023	610	-	< 0.50 U	< 0.10 U	-	-	-
MW-33-040	MW-33-040-Q123	N	LF	-	GW	2/14/2023	-	-	-	-	-	-	-
MW-33-090	MW-33-090-Q123	N	LF	-	GW	2/14/2023	-	-	-	-	-	-	-
MW-33-150	MW-33-150-Q123	N	LF	-	GW	2/14/2023	-	-	-	-	-	-	-
MW-33-210	MW-33-210-Q123	N	LF	-	GW	2/14/2023	-	-	-	-	-	-	-
MW-34-055	MW-34-055-Q123	N	LF	-	GW	2/22/2023	18	-	0.38	0.35	-	-	-
MW-34-080	MW-34-080-Q123	N	LF	-	GW	2/8/2023	170	-	< 0.50 U	-	-	-	730
MW-34-100	MW-34-100-Q123	N	LF	-	GW	2/22/2023	71	-	< 0.25 U	< 0.10 U	-	-	-
MW-35-060	MW-35-060-Q123	N	LF	-	GW	2/23/2023	-	-	-	-	-	-	-
MW-35-135	MW-35-135-Q123	N	LF	-	GW	2/23/2023	-	-	-	-	-	-	-

Unvalidated PCM 2023-02 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)	Total organic carbon by method SM 5310 C (mg/L)
IRZ-09-100	IRZ-09-100-Q123	N	EP	-	GW	2/14/2023	< 1.0 U	< 1.0 U
IRZ-13D-210	IRZ-13D-210-Q123	N	EP	-	GW	2/14/2023	< 1.0 U	< 1.0 U
IRZ-13S-095	IRZ-13S-095-Q123	N	EP	-	GW	2/14/2023	< 1.0 U	< 1.0 U
IRZ-15-055	IRZ-15-055-Q123	N	EP	-	GW	2/22/2023	-	< 1.0 U
IRZ-15-200	IRZ-15-200-Q123	N	EP	-	GW	2/22/2023	-	< 1.0 U
IRZ-21-065	IRZ-21-065-Q123	N	EP	-	GW	2/28/2023	-	< 1.0 U
IRZ-21-065	MW-910-Q123	FD	-	IRZ-21-065-Q123	GW	2/28/2023	-	< 1.0 U
IRZ-21-157	IRZ-21-157-Q123	N	EP	-	GW	2/28/2023	-	< 1.0 U
IRZ-23-143	IRZ-23-143-Q123	N	EP	-	GW	2/14/2023	1.3	< 1.0 U
IRZ-25-100	IRZ-25-100-Q123	N	EP	-	GW	2/28/2023	-	< 1.0 U
IRZ-25-100	MW-911-Q123	FD	-	IRZ-25-100-Q123	GW	2/28/2023	-	< 1.0 U
IRZ-25-166	IRZ-25-166-Q123	N	EP	-	GW	2/28/2023	-	< 20 U
MW-20-070	MW-20-070-Q123	N	LF	-	GW	2/10/2023	1.3	< 1.0 U
MW-20-100	MW-20-100-Q123	N	LF	-	GW	2/10/2023	1	< 5.0 U
MW-20-100	MW-912-Q123	FD	-	MW-20-100-Q123	GW	2/10/2023	< 1.0 U	< 1.0 U
MW-20-130	MW-20-130-Q123	N	LF	-	GW	2/10/2023	1	< 1.0 U
MW-21	MW-21-Q123	N	LF	-	GW	2/9/2023	3.4	< 10 U
MW-22	MW-22-Q123	N	LF	-	GW	2/22/2023	-	< 1.0 U
MW-26	MW-26-Q123	N	LF	-	GW	2/9/2023	< 1.0 U	< 1.0 U
MW-26	MW-913-Q123	FD	-	MW-26-Q123	GW	2/9/2023	< 1.0 U	< 1.0 U
MW-27-020	MW-27-020-Q123	N	LF	-	GW	2/22/2023	-	1.1
MW-27-060	MW-27-060-Q123	N	LF	-	GW	2/22/2023	-	< 1.0 U
MW-27-085	MW-27-085-Q123	N	LF	-	GW	2/22/2023	-	< 1.0 U
MW-28-025	MW-28-025-Q123	N	LF	-	GW	2/17/2023	-	< 1.0 U
MW-28-090	MW-28-090-Q123	N	LF	-	GW	2/17/2023	-	< 1.0 U
MW-29	MW-29-Q123	N	LF	-	GW	2/21/2023	-	-
MW-30-030	MW-30-030-Q123	N	LF	-	GW	2/6/2023	-	3
MW-30-050	MW-30-050-Q123	N	LF	-	GW	2/6/2023	-	< 1.0 U
MW-31-060	MW-31-060-Q123	N	LF	-	GW	2/8/2023	2	< 1.0 U
MW-31-135	MW-31-135-Q123	N	LF	-	GW	2/8/2023	< 1.0 U	< 1.0 U
MW-31-135	MW-914-Q123	FD	-	MW-31-135-Q123	GW	2/8/2023	< 1.0 U	< 1.0 U
MW-32-020	MW-32-020-Q123	N	LF	-	GW	2/14/2023	-	6.9
MW-32-035	MW-32-035-Q123	N	LF	-	GW	2/14/2023	-	1.7
MW-33-040	MW-33-040-Q123	N	LF	-	GW	2/14/2023	-	-
MW-33-090	MW-33-090-Q123	N	LF	-	GW	2/14/2023	-	-
MW-33-150	MW-33-150-Q123	N	LF	-	GW	2/14/2023	-	-
MW-33-210	MW-33-210-Q123	N	LF	-	GW	2/14/2023	-	-
MW-34-055	MW-34-055-Q123	N	LF	-	GW	2/22/2023	-	< 1.0 U
MW-34-080	MW-34-080-Q123	N	LF	-	GW	2/8/2023	-	< 1.0 U
MW-34-100	MW-34-100-Q123	N	LF	-	GW	2/22/2023	-	< 1.0 U
MW-35-060	MW-35-060-Q123	N	LF	-	GW	2/23/2023	-	-
MW-35-135	MW-35-135-Q123	N	LF	-	GW	2/23/2023	-	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method TIMBERLINE (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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-36-020	MW-36-020-Q123	N	LF	-	GW	2/24/2023	-	0.57	83	< 0.20 U	-	-	560
MW-36-040	MW-36-040-Q123	N	LF	-	GW	2/24/2023	-	7	54	< 0.20 U	-	-	480
MW-36-050	MW-36-050-Q123	N	LF	-	GW	2/24/2023	-	5.8	33	< 0.20 U	-	-	180
MW-36-070	MW-36-070-Q123	N	LF	-	GW	2/24/2023	-	2.4	44	< 0.20 U	-	-	52
MW-36-090	MW-36-090-Q123	N	LF	-	GW	2/8/2023	-	1.3	57	< 0.20 U	-	-	46
MW-36-100	MW-36-100-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	3.6	72	< 0.20 U	-	-	760
MW-39-040	MW-39-040-Q123	N	LF	-	GW	2/6/2023	-	14	110	< 0.20 U	-	-	290
MW-39-050	MW-39-050-Q123	N	LF	-	GW	2/6/2023	-	1.8	56	< 0.20 U	-	-	24
MW-39-060	MW-39-060-Q123	N	LF	-	GW	2/6/2023	-	1.1	82	< 0.20 U	-	-	72
MW-39-070	MW-39-070-Q123	N	LF	-	GW	2/6/2023	-	0.96	53	< 0.20 U	-	-	< 20 U
MW-39-080	MW-39-080-Q123	N	LF	-	GW	2/6/2023	-	< 0.10 U	37	1.8	-	-	< 20 U
MW-39-100	MW-39-100-Q123	N	LF	-	GW	2/6/2023	-	< 0.10 U	36	170	-	-	< 20 U
MW-42-030	MW-42-030-Q123	N	LF	-	GW	2/16/2023	-	1.3	100	< 0.20 U	-	-	300
MW-42-055	MW-42-055-Q123	N	LF	-	GW	2/16/2023	-	14	160	< 0.20 U	-	-	260
MW-42-065	MW-42-065-Q123	N	LF	-	GW	2/16/2023	-	< 0.10 U	110	< 0.20 U	-	-	35
MW-43-025	MW-43-025-Q123	N	LF	-	GW	2/21/2023	-	20	89	< 0.20 U	-	-	3900
MW-43-075	MW-43-075-Q123	N	LF	-	GW	2/21/2023	-	5.4	62	< 1.0 U	-	-	2700
MW-43-090	MW-43-090-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	62	< 1.0 U	-	-	840
MW-44-070	MW-44-070-Q123	N	LF	-	GW	2/22/2023	-	2.4	41	< 0.20 U	-	-	720
MW-44-115	MW-44-115-Q123	N	LF	-	GW	2/8/2023	-	< 0.10 U	27	1.9	-	-	< 20 U
MW-44-125	MW-44-125-Q123	N	LF	-	GW	2/8/2023	-	< 0.10 U	54	< 1.0 U	-	-	310
MW-45-095A	MW-45-095A-Q123	N	LF	-	GW	2/8/2023	-	< 0.10 U	41	0.91	-	-	74
MW-46-175	MW-46-175-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	28	8.9	-	-	< 20 U
MW-46-205	MW-46-205-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	36	< 1.0 U	-	-	27
MW-47-055	MW-47-055-Q123	N	LF	-	GW	2/23/2023	-	-	-	17	-	-	-
MW-47-115	MW-47-115-Q123	N	LF	-	GW	2/23/2023	-	-	-	21	-	-	-
MW-49-135	MW-49-135-Q123	N	LF	-	GW	2/21/2023	-	-	-	< 1.0 U	-	-	-
MW-49-275	MW-49-275-Q123	N	LF	-	GW	2/21/2023	-	-	-	< 1.0 U	-	-	-
MW-49-365	MW-49-365-Q123	N	LF	-	GW	2/21/2023	-	-	-	< 1.0 U	-	-	-
MW-51	MW-51-Q123	N	LF	-	GW	2/9/2023	< 0.20	1.3	64	< 1.0 U	12	-	< 20 U
MW-52D	MW-52D-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	37	< 1.0 U	-	-	590
MW-52M	MW-52M-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	58	< 1.0 U	-	-	1300
MW-52S	MW-52S-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	460	< 1.0 U	-	-	21000
MW-53D	MW-53D-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	44	< 1.0 U	-	-	210
MW-53M	MW-53M-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	69	< 1.0 U	-	-	510
MW-53S	MW-53S-Q123	N	LF	-	GW	2/21/2023	-	< 0.10 U	190	< 0.20 U	-	-	5200
MW-71-035	MW-71-035-Q123	N	LF	-	GW	2/15/2023	< 0.20 U	< 0.10 U	46	< 1.0 U	< 1.0 U	-	190
MW-71-035	MW-915-Q123	FD	-	MW-71-035-Q123	GW	2/15/2023	< 0.20 U	< 0.10 U	48	< 1.0 U	< 1.0 U	-	300
MW-75-033	MW-75-033-Q123	N	LF	-	GW	2/13/2023	-	-	-	49	-	-	-
MW-75-117	MW-75-117-Q123	N	LF	-	GW	2/13/2023	-	-	-	18	-	-	-
MW-75-202	MW-75-202-Q123	N	LF	-	GW	2/13/2023	-	-	-	< 1.0 U	-	-	-
MW-75-267	MW-75-267-Q123	N	LF	-	GW	2/13/2023	-	-	-	< 1.0 U	-	-	-

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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)	Sulfate by method EPA 300.0 (mg/L)
MW-36-020	MW-36-020-Q123	N	LF	-	GW	2/24/2023	170	-	< 0.050 U	-	-	-	-
MW-36-040	MW-36-040-Q123	N	LF	-	GW	2/24/2023	160	-	< 0.050 U	< 0.10 U	-	-	-
MW-36-050	MW-36-050-Q123	N	LF	-	GW	2/24/2023	230	-	< 0.050 U	-	-	-	-
MW-36-070	MW-36-070-Q123	N	LF	-	GW	2/24/2023	320	-	< 0.050 U	-	-	-	-
MW-36-090	MW-36-090-Q123	N	LF	-	GW	2/8/2023	170	-	< 0.50 U	-	-	-	330
MW-36-100	MW-36-100-Q123	N	LF	-	GW	2/8/2023	650	-	< 0.50 U	-	-	-	360
MW-39-040	MW-39-040-Q123	N	LF	-	GW	2/6/2023	140	-	< 0.25 U	-	-	-	110
MW-39-050	MW-39-050-Q123	N	LF	-	GW	2/6/2023	240	-	< 0.25 U	-	-	-	190
MW-39-060	MW-39-060-Q123	N	LF	-	GW	2/6/2023	380	-	< 0.25 U	-	-	-	240
MW-39-070	MW-39-070-Q123	N	LF	-	GW	2/6/2023	21	-	< 0.25 U	-	-	-	310
MW-39-080	MW-39-080-Q123	N	LF	-	GW	2/6/2023	8.6	-	< 0.25 U	-	-	-	530
MW-39-100	MW-39-100-Q123	N	LF	-	GW	2/6/2023	14	-	< 0.25 U	-	-	-	880
MW-42-030	MW-42-030-Q123	N	LF	-	GW	2/16/2023	75	-	< 0.050 U	< 0.10 U	-	-	-
MW-42-055	MW-42-055-Q123	N	LF	-	GW	2/16/2023	360	-	< 0.050 U	-	-	-	-
MW-42-065	MW-42-065-Q123	N	LF	-	GW	2/16/2023	2300	-	5.2	-	-	-	-
MW-43-025	MW-43-025-Q123	N	LF	-	GW	2/21/2023	470	-	< 0.50 U	-	-	-	-
MW-43-075	MW-43-075-Q123	N	LF	-	GW	2/21/2023	620	-	< 0.50 U	-	-	-	-
MW-43-090	MW-43-090-Q123	N	LF	-	GW	2/21/2023	740	-	< 0.50 U	-	-	-	-
MW-44-070	MW-44-070-Q123	N	LF	-	GW	2/22/2023	320	-	< 0.25 U	< 0.10 U	-	-	-
MW-44-115	MW-44-115-Q123	N	LF	-	GW	2/8/2023	39	-	< 0.50 U	-	-	-	1000
MW-44-125	MW-44-125-Q123	N	LF	-	GW	2/8/2023	520	-	< 0.50 U	< 0.10 U	-	-	1100
MW-45-095A	MW-45-095A-Q123	N	LF	-	GW	2/8/2023	390	-	< 0.50 U	-	-	-	400
MW-46-175	MW-46-175-Q123	N	LF	-	GW	2/21/2023	13	-	0.91	1.1	-	-	-
MW-46-205	MW-46-205-Q123	N	LF	-	GW	2/21/2023	43	-	0.71	-	-	-	-
MW-47-055	MW-47-055-Q123	N	LF	-	GW	2/23/2023	-	-	-	-	-	-	-
MW-47-115	MW-47-115-Q123	N	LF	-	GW	2/23/2023	-	-	-	-	-	-	-
MW-49-135	MW-49-135-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	-	-	-
MW-49-275	MW-49-275-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	-	-	-
MW-49-365	MW-49-365-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	-	-	-
MW-51	MW-51-Q123	N	LF	-	GW	2/9/2023	150	5.9	< 0.050 U	-	< 0.50 U	0.56	47
MW-52D	MW-52D-Q123	N	LF	-	GW	2/21/2023	250	-	< 0.50 U	-	-	-	-
MW-52M	MW-52M-Q123	N	LF	-	GW	2/21/2023	160	-	< 0.50 U	-	-	-	-
MW-52S	MW-52S-Q123	N	LF	-	GW	2/21/2023	1000	-	< 0.50 U	-	-	-	-
MW-53D	MW-53D-Q123	N	LF	-	GW	2/21/2023	1300	-	< 0.50 U	-	-	-	-
MW-53M	MW-53M-Q123	N	LF	-	GW	2/21/2023	370	-	< 0.50 U	-	-	-	-
MW-53S	MW-53S-Q123	N	LF	-	GW	2/21/2023	1200	-	< 0.50 U	-	-	-	-
MW-71-035	MW-71-035-Q123	N	LF	-	GW	2/15/2023	220	19	0.64	0.96	< 10 U	0.64	1000
MW-71-035	MW-915-Q123	FD	-	MW-71-035-Q123	GW	2/15/2023	260	20	1.2	1.1	< 5.0 U	< 0.50 U	950
MW-75-033	MW-75-033-Q123	N	LF	-	GW	2/13/2023	-	-	-	-	-	-	-
MW-75-117	MW-75-117-Q123	N	LF	-	GW	2/13/2023	-	-	-	-	-	-	-
MW-75-202	MW-75-202-Q123	N	LF	-	GW	2/13/2023	-	-	-	-	-	-	-
MW-75-267	MW-75-267-Q123	N	LF	-	GW	2/13/2023	-	-	-	-	-	-	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by method SM 5310 B (mg/L)	Total organic carbon by method SM 5310 C (mg/L)
MW-36-020	MW-36-020-Q123	N	LF	-	GW	2/24/2023	-	1.2
MW-36-040	MW-36-040-Q123	N	LF	-	GW	2/24/2023	-	1.6
MW-36-050	MW-36-050-Q123	N	LF	-	GW	2/24/2023	-	< 1.0 U
MW-36-070	MW-36-070-Q123	N	LF	-	GW	2/24/2023	-	< 1.0 U
MW-36-090	MW-36-090-Q123	N	LF	-	GW	2/8/2023	-	< 1.0 U
MW-36-100	MW-36-100-Q123	N	LF	-	GW	2/8/2023	-	< 1.0 U
MW-39-040	MW-39-040-Q123	N	LF	-	GW	2/6/2023	-	2.3
MW-39-050	MW-39-050-Q123	N	LF	-	GW	2/6/2023	-	< 1.0 U
MW-39-060	MW-39-060-Q123	N	LF	-	GW	2/6/2023	-	< 1.0 U
MW-39-070	MW-39-070-Q123	N	LF	-	GW	2/6/2023	-	< 1.0 U
MW-39-080	MW-39-080-Q123	N	LF	-	GW	2/6/2023	-	< 1.0 U
MW-39-100	MW-39-100-Q123	N	LF	-	GW	2/6/2023	-	< 1.0 U
MW-42-030	MW-42-030-Q123	N	LF	-	GW	2/16/2023	-	1.7
MW-42-055	MW-42-055-Q123	N	LF	-	GW	2/16/2023	-	< 1.0 U
MW-42-065	MW-42-065-Q123	N	LF	-	GW	2/16/2023	-	< 20 U
MW-43-025	MW-43-025-Q123	N	LF	-	GW	2/21/2023	-	1.5
MW-43-075	MW-43-075-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-43-090	MW-43-090-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-44-070	MW-44-070-Q123	N	LF	-	GW	2/22/2023	-	< 1.0 U
MW-44-115	MW-44-115-Q123	N	LF	-	GW	2/8/2023	-	< 1.0 U
MW-44-125	MW-44-125-Q123	N	LF	-	GW	2/8/2023	-	< 1.0 U
MW-45-095A	MW-45-095A-Q123	N	LF	-	GW	2/8/2023	-	< 1.0 U
MW-46-175	MW-46-175-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-46-205	MW-46-205-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-47-055	MW-47-055-Q123	N	LF	-	GW	2/23/2023	-	-
MW-47-115	MW-47-115-Q123	N	LF	-	GW	2/23/2023	-	-
MW-49-135	MW-49-135-Q123	N	LF	-	GW	2/21/2023	-	-
MW-49-275	MW-49-275-Q123	N	LF	-	GW	2/21/2023	-	-
MW-49-365	MW-49-365-Q123	N	LF	-	GW	2/21/2023	-	-
MW-51	MW-51-Q123	N	LF	-	GW	2/9/2023	14	5.7
MW-52D	MW-52D-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-52M	MW-52M-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-52S	MW-52S-Q123	N	LF	-	GW	2/21/2023	-	3.6
MW-53D	MW-53D-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-53M	MW-53M-Q123	N	LF	-	GW	2/21/2023	-	< 1.0 U
MW-53S	MW-53S-Q123	N	LF	-	GW	2/21/2023	-	1.1
MW-71-035	MW-71-035-Q123	N	LF	-	GW	2/15/2023	3.6	< 1.0 U
MW-71-035	MW-915-Q123	FD	-	MW-71-035-Q123	GW	2/15/2023	3.4	< 1.0 U
MW-75-033	MW-75-033-Q123	N	LF	-	GW	2/13/2023	-	-
MW-75-117	MW-75-117-Q123	N	LF	-	GW	2/13/2023	-	-
MW-75-202	MW-75-202-Q123	N	LF	-	GW	2/13/2023	-	-
MW-75-267	MW-75-267-Q123	N	LF	-	GW	2/13/2023	-	-

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method TIMBERLINE (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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-75-337	MW-75-337-Q123	N	LF	-	GW	2/13/2023	-	-	-	< 1.0 U	-	-	-
MW-76-039	MW-76-039-Q123	N	LF	-	GW	2/7/2023	< 0.20 U	< 0.10 U	60	270	300	-	29
MW-76-039	MW-916-Q123	FD	-	MW-76-039-Q123	GW	2/7/2023	< 0.20 U	< 0.10 U	60	260	280	-	30
MW-76-156	MW-76-156-Q123	N	LF	-	GW	2/7/2023	< 0.20 U	< 0.10 U	48	16	18	-	< 20 U
MW-76-181	MW-76-181-Q123	N	LF	-	GW	2/7/2023	< 0.20 U	< 0.10 U	46	390	420	-	< 20 U
MW-76-218	MW-76-218-Q123	N	LF	-	GW	2/7/2023	< 0.20 U	< 0.10 U	94	< 1.0 U	< 1.0 U	-	< 20 U
MW-77-046	MW-77-046-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	100	< 1.0 U	-	-	100
MW-77-102	MW-77-102-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	89	< 1.0 U	-	-	< 20 U
MW-77-158	MW-77-158-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	45	< 1.0 U	-	-	39
MW-77-187	MW-77-187-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	32	25	-	-	< 20 U
MW-78-070	MW-78-070-Q123	N	LF	-	GW	2/10/2023	< 0.20 U	< 0.10 U	170	2.7	3.4	-	< 20 U
MW-78-070	MW-917-Q123	FD	-	MW-78-070-Q123	GW	2/10/2023	< 0.20 U	< 0.10 U	170	2.7	3.4	-	< 20 U
MW-78-142	MW-78-142-Q123	N	LF	-	GW	2/10/2023	< 0.20 U	< 0.10 U	34	2200	2700	-	< 20 U
MW-79-058	MW-79-058-Q123	N	LF	-	GW	2/9/2023	< 0.20	< 0.10 U	190	65	71	-	< 20 U
MW-79-058	MW-918-Q123	FD	-	MW-79-058-Q123	GW	2/9/2023	< 0.20	< 0.10 U	210	66	79	-	< 20 U
MW-79-102	MW-79-102-Q123	N	LF	-	GW	2/9/2023	< 0.20	< 0.10 U	50	250	270	-	< 20 U
MW-80-057	MW-80-057-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	< 0.10 U	87	520	620	-	< 20 U
MW-80-082	MW-80-082-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	< 0.10 U	59	5.4	7.3	-	< 20 U
MW-80-082	MW-919-Q123	FD	-	MW-80-082-Q123	GW	2/8/2023	< 0.20 U	< 0.10 U	56	5.5	6.9	-	< 20 U
MW-81-043	MW-81-043-Q123	N	LF	-	GW	2/7/2023	-	4.3	110	9.7	-	-	23
MW-81-098	MW-81-098-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	64	< 1.0 U	-	-	61
MW-82-046	MW-82-046-Q123	N	LF	-	GW	2/7/2023	-	13	69	< 1.0 U	-	-	4000
MW-82-112	MW-82-112-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	77	< 1.0 U	-	-	39
MW-82-168	MW-82-168-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	40	< 1.0 U	-	-	53
MW-82-198	MW-82-198-Q123	N	LF	-	GW	2/7/2023	-	< 0.10 U	37	< 1.0 U	-	-	< 20 U
MW-86-030	MW-86-030-Q123	N	LF	-	GW	2/23/2023	-	8.4	120	< 0.20 U	-	-	910
MW-86-066	MW-86-066-Q123	N	LF	-	GW	2/23/2023	-	< 0.10 U	84	< 0.20 U	-	-	< 20 U
MW-86-120	MW-86-120-Q123	N	LF	-	GW	2/23/2023	-	< 0.10 U	44	< 1.0 U	-	-	< 20 U
MW-86-140	MW-86-140-Q123	N	LF	-	GW	2/23/2023	-	< 0.10 U	81	< 1.0 U	-	-	87
MW-90-031	MW-90-031-Q123	N	LF	-	GW	2/22/2023	18	< 0.10 U	320	< 1.0 U	-	-	16000
MW-96-045	MW-96-045-Q123	N	LF	-	GW	2/22/2023	-	-	-	< 1.0 U	-	-	-

Unvalidated PCM 2023-02 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)	Sulfate by method EPA 300.0 (mg/L)
MW-75-337	MW-75-337-Q123	N	LF	-	GW	2/13/2023	-	-	-	-	-	-	-
MW-76-039	MW-76-039-Q123	N	LF	-	GW	2/7/2023	1.9	29	3.4	-	< 5.0 U	5.9	230
MW-76-039	MW-916-Q123	FD	-	MW-76-039-Q123	GW	2/7/2023	3.4	28	3.4	-	< 5.0 U	5.8	230
MW-76-156	MW-76-156-Q123	N	LF	-	GW	2/7/2023	79	35	1.8	-	< 5.0 U	1.3	700
MW-76-181	MW-76-181-Q123	N	LF	-	GW	2/7/2023	21	52	0.79	-	< 10 U	0.8	710
MW-76-218	MW-76-218-Q123	N	LF	-	GW	2/7/2023	440	32	< 0.50 U	-	< 5.0 U	< 0.50 U	600
MW-77-046	MW-77-046-Q123	N	LF	-	GW	2/7/2023	430	-	< 0.50 U	-	-	-	860
MW-77-102	MW-77-102-Q123	N	LF	-	GW	2/7/2023	150	-	1	-	-	-	660
MW-77-158	MW-77-158-Q123	N	LF	-	GW	2/7/2023	55	-	< 0.50 U	-	-	-	440
MW-77-187	MW-77-187-Q123	N	LF	-	GW	2/7/2023	13	-	0.6	-	-	-	670
MW-78-070	MW-78-070-Q123	N	LF	-	GW	2/10/2023	730	5.5	< 0.25 U	-	< 2.5 U	< 0.50 U	340
MW-78-070	MW-917-Q123	FD	-	MW-78-070-Q123	GW	2/10/2023	710	5.5	< 0.25 U	-	< 2.5 U	< 0.50 U	340
MW-78-142	MW-78-142-Q123	N	LF	-	GW	2/10/2023	2.3	27	3.7	-	< 10 U	25	650
MW-79-058	MW-79-058-Q123	N	LF	-	GW	2/9/2023	0.5	5.2	< 0.50 U	-	< 5.0 U	< 0.50 U	460
MW-79-058	MW-918-Q123	FD	-	MW-79-058-Q123	GW	2/9/2023	< 0.50 U	5.3	< 0.50 U	-	< 5.0 U	< 0.50 U	460
MW-79-102	MW-79-102-Q123	N	LF	-	GW	2/9/2023	8.1	40	< 0.50 U	-	< 5.0 U	0.73	420
MW-80-057	MW-80-057-Q123	N	LF	-	GW	2/8/2023	6	22	5.8	-	< 5.0 U	14	470
MW-80-082	MW-80-082-Q123	N	LF	-	GW	2/8/2023	270	49	< 0.50 U	-	< 5.0 U	< 0.50 U	370
MW-80-082	MW-919-Q123	FD	-	MW-80-082-Q123	GW	2/8/2023	250	46	< 0.50 U	-	< 5.0 U	< 0.50 U	370
MW-81-043	MW-81-043-Q123	N	LF	-	GW	2/7/2023	19	-	0.69	-	-	-	270
MW-81-098	MW-81-098-Q123	N	LF	-	GW	2/7/2023	110	-	0.71	-	-	-	700
MW-82-046	MW-82-046-Q123	N	LF	-	GW	2/7/2023	200	-	< 0.50 U	-	-	-	1800
MW-82-112	MW-82-112-Q123	N	LF	-	GW	2/7/2023	180	-	1.4	-	-	-	720
MW-82-168	MW-82-168-Q123	N	LF	-	GW	2/7/2023	52	-	< 0.50 U	-	-	-	440
MW-82-198	MW-82-198-Q123	N	LF	-	GW	2/7/2023	63	-	< 0.50 U	-	-	-	570
MW-86-030	MW-86-030-Q123	N	LF	-	GW	2/23/2023	250	-	< 0.050 U	-	-	-	-
MW-86-066	MW-86-066-Q123	N	LF	-	GW	2/23/2023	550	-	< 0.25 U	-	-	-	-
MW-86-120	MW-86-120-Q123	N	LF	-	GW	2/23/2023	370	-	< 0.50 U	-	-	-	-
MW-86-140	MW-86-140-Q123	N	LF	-	GW	2/23/2023	1000	-	< 0.50 U	-	-	-	-
MW-90-031	MW-90-031-Q123	N	LF	-	GW	2/22/2023	800	-	< 0.50 U	< 0.10 U	-	-	-
MW-96-045	MW-96-045-Q123	N	LF	-	GW	2/22/2023	-	-	-	-	-	-	-

Unvalidated PCM 2023-02 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)	Total organic carbon by method SM 5310 C (mg/L)
MW-75-337	MW-75-337-Q123	N	LF	-	GW	2/13/2023	-	-
MW-76-039	MW-76-039-Q123	N	LF	-	GW	2/7/2023	< 1.0 U	< 1.0 U
MW-76-039	MW-916-Q123	FD	-	MW-76-039-Q123	GW	2/7/2023	< 1.0 U	< 1.0 U
MW-76-156	MW-76-156-Q123	N	LF	-	GW	2/7/2023	1.1	< 1.0 U
MW-76-181	MW-76-181-Q123	N	LF	-	GW	2/7/2023	< 1.0 U	< 25 U
MW-76-218	MW-76-218-Q123	N	LF	-	GW	2/7/2023	< 1.0 U	< 1.0 U
MW-77-046	MW-77-046-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-77-102	MW-77-102-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-77-158	MW-77-158-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-77-187	MW-77-187-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-78-070	MW-78-070-Q123	N	LF	-	GW	2/10/2023	1	< 1.0 U
MW-78-070	MW-917-Q123	FD	-	MW-78-070-Q123	GW	2/10/2023	< 1.0 U	< 1.0 U
MW-78-142	MW-78-142-Q123	N	LF	-	GW	2/10/2023	< 1.0 U	< 1.0 U
MW-79-058	MW-79-058-Q123	N	LF	-	GW	2/9/2023	< 1.0 U	< 1.0 U
MW-79-058	MW-918-Q123	FD		MW-79-058-Q123	GW	2/9/2023	< 1.0 U	< 1.0 U
MW-79-102	MW-79-102-Q123	N	LF	-	GW	2/9/2023	< 1.0 U	< 20 U
MW-80-057	MW-80-057-Q123	N	LF	-	GW	2/8/2023	< 1.0 U	< 1.0 U
MW-80-082	MW-80-082-Q123	N	LF	-	GW	2/8/2023	< 1.0 U	< 1.0 U
MW-80-082	MW-919-Q123	FD	-	MW-80-082-Q123	GW	2/8/2023	1	< 1.0 U
MW-81-043	MW-81-043-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-81-098	MW-81-098-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-82-046	MW-82-046-Q123	N	LF	-	GW	2/7/2023	-	1.5
MW-82-112	MW-82-112-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-82-168	MW-82-168-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-82-198	MW-82-198-Q123	N	LF	-	GW	2/7/2023	-	< 1.0 U
MW-86-030	MW-86-030-Q123	N	LF	-	GW	2/23/2023	-	3
MW-86-066	MW-86-066-Q123	N	LF	-	GW	2/23/2023	-	< 1.0 U
MW-86-120	MW-86-120-Q123	N	LF	-	GW	2/23/2023	-	< 1.0 U
MW-86-140	MW-86-140-Q123	N	LF	-	GW	2/23/2023	-	< 1.0 U
MW-90-031	MW-90-031-Q123	N	LF	-	GW	2/22/2023	-	1.8
MW-96-045	MW-96-045-Q123	N	LF	-	GW	2/22/2023	-	-

Unvalidated PCM 2023-02 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by method TIMBERLINE (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 by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)
MW-96-217	MW-96-217-Q123	N	LF	-	GW	2/22/2023	-	-	-	< 1.0 U	-	-	-
MW-97-042	MW-97-042-Q123	N	LF	-	GW	2/23/2023	-	-	-	26	-	-	-
MW-97-202	MW-97-202-Q123	N	LF	-	GW	2/23/2023	-	-	-	290	-	-	-
PT5D	PT5D-Q123	N	LF	-	GW	2/16/2023	-	5	37	85	-	-	< 20 U
PT5M	PT5M-Q123	N	LF	-	GW	2/16/2023	-	0.76	70	< 0.20 U	-	-	33
PT5S	PT5S-Q123	N	LF	-	GW	2/16/2023	-	13	88	< 0.20 U	-	-	810
TW-02D	TW-02D-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	3.5	17	40	39	-	< 20 U
TW-02S	TW-02S-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	< 0.10 U	200	85	99	-	< 20 U
TW-02S	MW-920-Q123	FD	-	TW-02S-Q123	GW	2/8/2023	< 0.20 U	< 0.10 U	200	85	98	-	< 20 U
TW-03D	TW-03D-Q123	N	LF	-	GW	2/8/2023	< 0.20 U	2	23	76	90	-	< 20 U
TW-04	TW-04-Q123	N	LF	-	GW	2/23/2023	-	-	-	14	-	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N and Ammonia which were analyzed at BC Labs.

< = 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
- 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 2023-02 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)	Sulfate by method EPA 300.0 (mg/L)
MW-96-217	MW-96-217-Q123	N	LF	-	GW	2/22/2023	-	-	-	-	-	-	-
MW-97-042	MW-97-042-Q123	N	LF	-	GW	2/23/2023	-	-	-	-	-	-	-
MW-97-202	MW-97-202-Q123	N	LF	-	GW	2/23/2023	-	-	-	-	-	-	-
PT5D	PT5D-Q123	N	LF	-	GW	2/16/2023	13	-	1.1	-	-	-	-
PT5M	PT5M-Q123	N	LF	-	GW	2/16/2023	1100	-	< 0.25 U	-	-	-	-
PT5S	PT5S-Q123	N	LF	-	GW	2/16/2023	260	-	< 0.050 U	-	-	-	-
TW-02D	TW-02D-Q123	N	LF	-	GW	2/8/2023	37	120	< 0.50 U	-	< 5.0 U	< 0.50 U	530
TW-02S	TW-02S-Q123	N	LF	-	GW	2/8/2023	< 0.50 U	4.4	0.66	-	< 5.0 U	2.8	430
TW-02S	MW-920-Q123	FD	-	TW-02S-Q123	GW	2/8/2023	< 0.50 U	4.4	0.72	-	< 5.0 U	< 0.50 U	440
TW-03D	TW-03D-Q123	N	LF	-	GW	2/8/2023	34	110	< 0.50 U	-	< 10 U	< 0.50 U	550
TW-04	TW-04-Q123	N	LF	-	GW	2/23/2023	-	-	-	-	-	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N and Ammonia which were analyzed at BC Labs.

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Acronyms and Abbreviations:

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- 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 2023-02 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)	Total organic carbon by method SM 5310 C (mg/L)
MW-96-217	MW-96-217-Q123	N	LF	-	GW	2/22/2023	-	-
MW-97-042	MW-97-042-Q123	N	LF	-	GW	2/23/2023	-	-
MW-97-202	MW-97-202-Q123	N	LF	-	GW	2/23/2023	-	-
PT5D	PT5D-Q123	N	LF	-	GW	2/16/2023	-	< 1.0 U
PT5M	PT5M-Q123	N	LF	-	GW	2/16/2023	-	< 1.0 U
PT5S	PT5S-Q123	N	LF	-	GW	2/16/2023	-	1.9
TW-02D	TW-02D-Q123	N	LF	-	GW	2/8/2023	< 1.0 U	< 1.0 U
TW-02S	TW-02S-Q123	N	LF	-	GW	2/8/2023	< 1.0 U	< 1.0 U
TW-02S	MW-920-Q123	FD	-	TW-02S-Q123	GW	2/8/2023	< 1.0 U	< 1.0 U
TW-03D	TW-03D-Q123	N	LF	-	GW	2/8/2023	< 1.0 U	< 25 U
TW-04	TW-04-Q123	N	LF	-	GW	2/23/2023	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N and Ammonia which were analyzed at BC Labs.

< = 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
- 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

Phase 2 2023-02 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)	Chloride by method EPA 300.0 (mg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)
FW-02B-127	FW-02B-127-0223	N	LF	GW	2/9/2023	87	< 0.10 U	120	0.31	< 0.50 U	100	370	3.1

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of ammonia, sulfide and TKN which were analyzed by BC Labs.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- 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

Phase 2 2023-02 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	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)	Hardness, total as CaCO3 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)
FW-02B-127	FW-02B-127-0223	N	LF	GW	2/9/2023	5.4	0.86	250	82	330	36	20	54

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of ammonia, sulfide and which were analyzed by BC Labs.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- 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

Phase 2 2023-02 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Potassium, dissolved by method SW 6010B (mg/L)	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-127-0223	N	LF	GW	2/9/2023	6.4	11	310	150	930	< 10 U

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of ammonia, sulfide and which were analyzed by BC Labs.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- 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

Phase 2a Construction

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 by method SW 6010B (µg/L)	Aluminum, dissolved by method SW 6010B (µg/L)	Ammonia as nitrogen by method A4500NH3G (mg/L)	Ammonia as nitrogen by method SM 4500-NH3 G (mg/L)	Antimony by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	100	-	-	-	-	-
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	110	< 50 U	< 50 U	-	0.45	< 0.50 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	83	-	< 50 U 91	-	-	-
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	67	-	-	-	-	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	64	-	-	-	-	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	120	-	-	-	-	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	97	< 50 U	< 50 U	-	< 0.22 U	< 0.50 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	150	< 50 U	< 50 U	-	< 0.23 U	< 0.50 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	89	340	< 50 U	-	< 0.43 U	< 0.50 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	110	< 50 U	< 50 U	-	< 0.43 U	< 0.50 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	80	< 50 U	< 50 U	< 0.22 U	-	< 0.50 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	78	52	< 50 U	< 0.23	-	< 0.50 U

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Antimony, dissolved by method SW 6020 (µg/L)	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)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	< 0.10 U	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	0.89	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	< 0.50 U	-	13	-	50	-
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	< 0.10 U	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	0.25	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	< 0.50 U	0.37	0.41	82	81	< 0.50 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	< 0.50 U	-	< 0.10 U	-	82	-
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	-	0.99	-	87	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	-	0.78	-	120	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	-	0.82	-	55	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	< 0.50 U	< 0.10 U	< 0.10 U	38	37	< 0.50 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	< 0.50 U	0.8	0.77	46	44	< 0.50 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	2.3	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	< 0.50 U	1.5	1.5	60	58	< 0.50 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	< 0.50 U	2.6	2.6	34	34	< 0.50 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	1.4	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	< 0.50 U	0.76	0.9	130	130	< 0.50 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	< 0.10 U	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	< 0.50 U	< 0.10 U	< 0.10 U	78	77	< 0.50 U

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Beryllium, dissolved by method SW 6020 (µg/L)	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)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	< 0.50 U	-	0.76	< 1.0 U		< 0.50 U
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	< 0.50 U	1000	0.85	< 5.0 U	< 0.50 U	< 0.50 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	< 0.50 U	-	0.49	< 5.0 U	-	< 0.50 U
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	-	0.46	< 1.0 U	-	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	-	0.51	< 10 U	-	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	-	0.29	< 1.0 U	-	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	< 0.50 U	1500	1.6	< 5.0 U	< 0.50 U	< 0.50 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	< 0.50 U	880	0.93	< 5.0 U	< 0.50 U	< 0.50 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	< 0.50 U	450	0.5	< 5.0 U	< 0.50 U	< 0.50 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	< 0.50 U	1300	1.4	< 5.0 U	< 0.50 U	< 0.50 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	< 0.50 U	1800	1.7	< 5.0 U	< 0.50 U	< 0.50 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	< 0.50 U	1400	1.4	< 5.0 U	< 0.50 U	< 0.50 U

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Chromium, total by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	880	-	990
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	1100	-	1100
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023		40	390	4.9	-	5.8
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	36	-	39
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	< 0.20 U	-	
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	44	-	44
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	260000	250	750	76	71	69
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	< 0.20 U	-	1.3
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	-	83	350	< 0.20 U	-	1.2
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	160	540	13	-	13
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	1700	3800	140	-	130
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	140	240	0.53	-	< 1.0 U
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	370000	380	2600	4200	4300	4000
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	160000	150	770	1500	1400	1500
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	1200	-	1300
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	270000	290	780	450	540	510
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	260000	290	1700	1400	1400	1400
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	1600	-	1800
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	390000	380	3100	2100	2000	2100
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	1000	-	1100
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	490000	460	3000	1100	1100	1100

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Hardness, Calcium (As CaCO3) by method SM 2340 B (mg/L)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	-	< 0.50 U	-	< 1.0 U	4.8	99
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	-
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	-	17	-	< 1.0 U	1.1	280
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	-	-	-	0.57	400
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	< 2.0 U	4300
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	0.28	340
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	< 0.50 U	< 0.50 U	2.3	1.5	2.5	-
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	< 0.50 U	< 0.50 U	4.6	1.7	1.5	-
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	-
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	< 0.50 U	< 0.50 U	1.9	5.5	1.4	-
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	3.3	-
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	2	-

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	18	120	-	60	-	< 1.0 U
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	-	-	90	< 20 U	< 1.0 U	< 1.0 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	71	210	-	98	-	< 1.0 U
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	150	550	-	< 20 U	-	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	1600	5900	-	< 20 U	-	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	130	470	-	40	-	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	-	-	22	< 20 U	< 1.0 U	< 1.0 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	-	-	< 20 U	21	< 1.0 U	< 1.0 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	-	-	510	< 20 U	< 1.0 U	< 1.0 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	-	-	< 20 U	< 20 U	< 1.0 U	< 1.0 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	-	-	< 20 U	< 20 U	< 1.0 U	< 1.0 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	-	-	96	< 20 U	< 1.0 U	< 1.0 U

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Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	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)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	-	4.3	-	11	-	< 0.20 U
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	57000	55	200	220	< 0.20 U	< 0.20 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	-	17	-	100	-	< 0.20 U
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	37	-	< 0.50 U	-	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	400	-	< 0.50 U	-	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	31	-	< 0.50 U	-	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	19000	19	27	26	< 0.20 U	< 0.20 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	37000	36	0.75	0.75	< 0.20 U	< 0.20 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	53000	55	13	6.9	< 0.20 U	< 0.20 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	16000	18	6.5	7.5	< 0.20 U	< 0.20 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	8900	8.6	670	680	< 0.20 U	< 0.20 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	22000	24	21	18	< 0.20 U	< 0.20 U

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

Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	-	24	-	< 5.0 U	2.3	-
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	2.9	2.5	< 1.0 U	< 1.0 U	12	< 5.0 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	-	70	-	850	4.8	-
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	-	-	-	5.3	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	17	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	-	-	-	6.7	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	22	21	< 1.0 U	< 1.0 U	21	< 5.0 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	23	23	< 1.0 U	< 1.0 U	17	< 5.0 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	5.8	5.9	1.2	< 1.0 U	19	< 5.0 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	18	19	2.8	< 1.0 U	18	< 5.0 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	33	37	< 25 U	< 25 U	5.4	< 5.0 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	3.2	3	< 25 U	< 25 U	11	< 5.0 U

Notes:

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mg/L = milligrams per liter
N = Normal
SM = standard method
SW = solid waste
U = analyte not detected
- = no entry

Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Potassium by method SW 6010B (µg/L)	Potassium, dissolved by method SW 6010B (mg/L)	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)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	-	8.7	-	0.99	-	< 0.50 U
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	20000	12	5.4	5.8	< 0.50 U	< 0.50 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	-	10	-	2.6	-	< 0.50 U
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	12	-	-	-	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	31	-	-	-	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	12	-	-	-	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	40000	29	47	44	< 0.50 U	< 0.50 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	11000	10	25	25	< 0.50 U	< 0.50 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	18000	9.9	11	13	< 0.50 U	< 0.50 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	17000	22	15	16	< 0.50 U	< 0.50 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	52000	38	4.2	4.3	< 0.50 U	< 0.50 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	23000	25	30	29	< 0.50 U	< 0.50 U

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

- = no entry

Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sodium by method SW 6010B (µg/L)	Sodium, dissolved by method SW 6010B (mg/L)	Sulfate by method EPA 300.0 (mg/L)	Sulfide by method SM 4500-S D (mg/L)	Sulfide by method SM4500-S D (mg/L)	Thallium by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	-	320	120	-	-	
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	320000	330	260	< 0.10 U	-	< 0.50 U
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	-	170	140	-	-	-
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	330	150	-	-	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	560	630	-	-	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	130	160	-	-	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	1700000	1800	1100	< 0.10 U	-	< 0.50 U
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	450000	470	380	< 0.10 U	-	< 0.50 U
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	200000	280	340	< 0.10 U	-	< 0.50 U
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	1000000	880	690	< 0.10 U	-	< 0.50 U
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	2300000	2100	610	-	< 0.10 U	< 0.50 U
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	1600000	1600	590	< 0.10	-	< 0.50 U

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SM = standard method
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U = analyte not detected
- = no entry

Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Vanadium, dissolved by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-	-	-	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-	-	-	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	< 0.50 U	960	-	-	-	13
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-	-	-	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-	-	-	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-	-	-	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	< 0.50 U	2000	< 0.20 U	< 10 U	7.9	7.2
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-	-	-	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	< 0.50 U	910	-	-	-	1.3
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	1200	-	-	-	-
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	8000	-	-	-	-
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	820	-	-	-	-
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	< 0.50 U	5900	0.22	< 1.0 U	5	4.4
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	< 0.50 U	2000	< 0.20 U	< 10 U	9.5	9.8
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-	-	-	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	< 0.50 U	2200	< 0.20 U	< 1.0 U	8.8	9
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	< 0.50 U	4300	0.22	< 1.0 U	5.7	6.8
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-	-	-	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	< 0.50 U	6600	0.31	< 1.0 U	1.3	1.4
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-	-	-	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	< 0.50 U	6800	0.24	< 1.0 U	3	2.7

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mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

- = no entry

Phase 2a Construction

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Zinc by method SW 6020 (µg/L)	Zinc, dissolved by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	-	-	GW	11/5/2022	-	-
ER-2	ER-02-CR-47-136	N	-	-	GW	11/9/2022	-	-
FW_SOURCE	FW-SOURCE-012423	N	-	-	GW	1/24/2023	-	27
FW-02B	FW-02B-VAS-127-132	N	-	-	GW	8/31/2022	-	-
FW-02B	FW-02B-VAS-135-137	N	-	-	GW	9/1/2022	-	-
FW-02B	FW-02B-132-111922	N	-	-	GW	11/19/2022	-	-
FW-02B	FW-02B-SC-95-132	N	-	-	GW	11/20/2022	45	46
FW-02B	FW-02B-127-1222	N	LF	-	GW	12/8/2022	-	-
FW-02B-127	FW-02B-127-0123	N	LF	-	GW	1/12/2023	-	< 10 U
MW-15	MW-15-Q123	N	LF	-	GW	2/22/2023	-	< 10 U
MWP-08	MWP-08-Q123	N	LF	-	GW	2/21/2023	-	< 10 U
MWP-10	MWP-10-Q123	N	LF	-	GW	2/21/2023	-	< 10 U
TCS-1	TCS-1-SC-214-269	N	-	-	GW	9/8/2022	180	190
TCS-1	TCS-1-SC-170-191	N	-	-	GW	9/8/2022	51	59
TCS-2	TCS-2-223-102022	N	-	-	GW	10/20/2022	-	-
TCS-2	TCS-2-SC-132-158	N	-	-	GW	10/23/2022	27	25
TCS-2	TCS-2-SC-178-223	N	-	-	GW	10/23/2022	58	72
TWB-01	TWB-01-129-092722	N	-	-	GW	9/27/2022	-	-
TWB-01	TWB-01-SC-85-129	N	-	-	GW	9/29/2022	130	130
TWB-03	TWB-03-76-092922	N	-	-	GW	9/29/2022	-	-
TWB-03	TWB-03-SC-056-076	N	-	-	GW	10/5/2022	220	53

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

RCM 2022-10 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-67-185-1022	N	LF	GW	10/13/2022	150	180 J	1400	24	25	180
MW-68-180	MW-68-180-1022	N	LF	GW	10/13/2022	39000	40000 J	-	49	-	-

Notes:

All samples were sent to Asset Laboratories for analyses.

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- GW = groundwater
- J = estimated value
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- = no entry

RCM 2022-11 AZ Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by method SW 6020A (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020A (µg/L)	Manganese, dissolved by method SW 6020A (µg/L)	Molybdenum, dissolved by method SW 6020A (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020A (µg/L)
MW-54-085	MW-54-085-Q422	N	LF	-	GW	12/15/2022	3.32	< 0.20 U	< 1.0 U	698	49.7	0.291	< 10 U
MW-54-140	MW-54-140-Q422	N	LF	-	GW	12/15/2022	2.4	< 0.20 U	< 1.0 U	57.6	55.7	0.631	< 10 U
MW-54-195	MW-54-195-Q422	N	LF	-	GW	12/15/2022	< 1.0 U	< 0.20 U	< 1.0 U	366	111	< 0.50 U	< 10 U
MW-55-045	MW-55-045-Q422	N	LF	-	GW	12/13/2022	6.11	< 0.20 U	5.6	570	-	-	-
MW-55-120	MW-55-120-Q422	N	LF	-	GW	12/13/2022	6.68	8.5	8.9	< 50 U	-	-	-
MW-56D	MW-56D-Q422	N	LF	-	GW	12/14/2022	< 5.0 U	< 0.20 U	< 5.0 U	749	< 50 U	< 1.0 U	< 50 U
MW-56M	MW-56M-Q422	N	LF	-	GW	12/14/2022	< 5.0 U	< 0.20 U	< 5.0 U	787	< 50 U	2.25	< 50 U
MW-56S	MW-56S-Q422	N	LF	-	GW	12/14/2022	< 5.0 U	< 0.20 U	< 5.0 U	746	< 50 U	< 0.10 U	< 50 U
MW-56S	MW-929-Q422	FD	-	MW-56S-Q422	GW	12/14/2022	< 5.0 U	< 0.20 U	< 5.0 U	802	< 50 U	1.99 J	< 50 U
MW-91-045	MW-91-045-Q422	N	LF	-	GW	12/15/2022	7.96	< 0.20 U	< 1.0 U	125	< 10 U	0.632	< 10 U
MW-91-120	MW-91-120-Q422	N	LF	-	GW	12/15/2022	< 1.0 U	16.7	17.9	87.5	11.7	1.77	< 10 U
MW-91-170	MW-91-170-Q422	N	LF	-	GW	12/15/2022	2.83	2.3	3.41	194	157	1.33	< 10 U
MW-91-320	MW-91-320-Q422	N	LF	-	GW	12/15/2022	9.7	< 0.20 U	< 1.0 U	1350	48.8	< 1.0 U	< 10 U
MW-92-037	MW-92-037-Q422	N	LF	-	GW	12/15/2022	23.8	< 0.20 U	< 1.0 U	58.6	13.5	< 0.10 U	< 10 U
MW-92-037	MW-930-Q422	FD	-	MW-92-037-Q422	GW	12/15/2022	24.1	< 0.20 U	< 1.0 U	58.6	13.3	< 0.10 U	< 10 U
MW-92-072	MW-92-072-Q422	N	LF	-	GW	12/15/2022	17.5	< 0.20 U	< 1.0 U	22	20.3	0.418	< 10 U
MW-92-102	MW-92-102-Q422	N	LF	-	GW	12/15/2022	20.4	5.16	5.99	< 10 U	37	1	< 10 U
MW-92-122	MW-92-122-Q422	N	LF	-	GW	12/15/2022	10.9	< 0.20 U	< 1.0 U	184	195	< 0.20 U	< 10 U

Notes:
All samples were sent to EMAX Laboratories for analyses.

Acronyms and Abbreviations:
µg/L = micrograms per liter
EPA = Environmental Protection Agency
FD = field duplicate
GW = groundwater
J = estimated value
LF = low flow
mg/L = milligrams per liter
N = Normal
SW = solid waste
- = no entry

RCM 2022-11 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)	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)
MW-09	MW-09-Q422	N	LF	-	GW	12/1/2022	17	0.23	< 1.0 U	2500 J	23 J	1.3	-
MW-09	MW-931-Q422	FD	-	MW-09-Q422	GW	12/1/2022	18	< 0.20 U	< 1.0 U	2600 J	23 J	1.2	-
MW-10	MW-10-Q422	N	LF	-	GW	11/28/2022	8.2	3400	3500 J	27 J	160	11	-
MW-10D	MW-10D-Q422	N	LF	-	GW	11/28/2022	0.86	230	260 J	0.63 J	1.2	12	-
MW-11	MW-11-Q422	N	LF	-	GW	11/30/2022	1.4	710	720 J	0.86	-	-	-
MW-11D	MW-11D-Q422	N	LF	-	GW	11/30/2022	0.35	160	150 J	< 0.50 U	-	-	-
MW-12	MW-12-Q422	N	LF	-	GW	11/30/2022	34	2600	2800	< 0.50 U	15 J	13	-
MW-13	MW-13-Q422	N	LF	-	GW	11/30/2022	1.2	26	25 J	< 0.50 U	9.3	5.2	-
MW-14	MW-14-Q422	N	LF	-	GW	12/2/2022	< 0.10 U	11	12 J	< 0.50 U	8.4	2.7	2.8 J
MW-15	MW-15-Q422	N	LF	-	GW	11/29/2022	1.5	12	12 J	< 0.50 UJ	-	-	-
MW-19	MW-19-Q422	N	LF	-	GW	12/2/2022	0.43	29	30 J	< 0.50 U	-	-	-
MW-23-060	MW-23-060-Q422	N	LF	-	GW	11/18/2022	1	40	38 J	2.3	23	5.1	-
MW-23-080	MW-23-080-Q422	N	LF	-	GW	11/18/2022	1.5	< 1.0 U	< 1.0 UJ	0.84	48	0.95	-
MW-24A	MW-24A-Q422	N	LF	-	GW	12/1/2022	0.27	< 0.20 U	< 1.0 U	140 J	73 J	0.66	-
MW-24B	MW-24B-Q422	N	LF	-	GW	12/1/2022	< 0.10 U	270	270	29 J	32 J	2.7	-
MW-24BR	MW-24BR-Q422	N	3V	-	GW	12/2/2022	< 0.10 U	< 1.0 U	< 1.0 UJ	64	-	-	-
MW-25	MW-25-Q422	N	LF	-	GW	12/2/2022	0.9	60	67 J	< 0.50 U	5.1	11	-
MW-37D	MW-37D-Q422	N	LF	-	GW	12/1/2022	2.2	3.8	4.2	< 0.50 UJ	74 J	2.6	-
MW-37S	MW-37S-Q422	N	LF	-	GW	12/1/2022	0.57	11	12	< 0.50 UJ	13 J	1.8	1.2 J
MW-38D	MW-38D-Q422	N	LF	-	GW	11/28/2022	< 0.10 U	24	22 J	65 J	32	3.3	-
MW-38S	MW-38S-Q422	N	LF	-	GW	11/28/2022	3.6	37	44 J	240 J	6.9	3.6	-
MW-40D	MW-40D-Q422	N	LF	-	GW	12/1/2022	1.6	46	37	1.4 J	33 J	3.5	0.29 J
MW-40S	MW-40S-Q422	N	G	-	GW	12/1/2022	1.2	8.6	9.3	< 0.50 UJ	6.7 J	4.5	3.5 J
MW-41D	MW-41D-Q422	N	LF	-	GW	11/30/2022	< 0.10 U	< 1.0 U	< 1.0 UJ	110	80	0.55	-
MW-41M	MW-41M-Q422	N	LF	-	GW	11/30/2022	< 0.10 U	9.5	9.8 J	1.1	26	0.51	0.55 J
MW-41S	MW-41S-Q422	N	LF	-	GW	11/30/2022	0.3	5.1	5.6 J	1.3	12	2.4	2.7 J
MW-48	MW-48-Q422	N	3V	-	GW	12/2/2022	< 0.10 U	1.1	1.5 J	24	8.6	< 0.50 U	-
MW-50-095	MW-50-095-Q422	N	LF	-	GW	11/30/2022	1	14	15 J	< 0.50 U	-	-	-
MW-50-200	MW-50-200-Q422	N	LF	-	GW	11/30/2022	< 0.10 U	1400	1700 J	5.2	35	1.4	-
MW-57-070	MW-57-070-Q422	N	LF	-	GW	11/18/2022	1.9	280	310 J	110	3.3	3.5	-
MW-57-185	MW-57-185-Q422	N	LF	-	GW	11/18/2022	4.9	< 1.0 U	< 1.0 UJ	1.8	65	< 0.25 U	-
MW-58BR	MW-58BR-Q422	N	LF	-	GW	12/8/2022	0.46	0.82	1.1	460	25	< 0.25 U	-
MW-59-100	MW-59-100-Q422	N	LF	-	GW	11/30/2022	0.71 J	2300	2600 J	0.58	4.4	2.8	-
MW-59-100	MW-933-Q422	FD	-	MW-59-100-Q422	GW	11/30/2022	0.41 J	2300	2500 J	0.78	4.1	2.6	-
MW-60-125	MW-60-125-Q422	N	LF	-	GW	11/29/2022	< 0.10 U	36 J	70	13 J	16	2.6 J	-
MW-60BR-245	MW-60BR-245-Q422	N	LF	-	GW	11/29/2022	< 0.10 U	14 J	13	< 0.50 UJ	-	-	-
MW-61-110	MW-61-110-Q422	N	LF	-	GW	11/29/2022	2.9	63	66 J	570 J	20	0.4 J	-
MW-61-110	MW-934-Q422	FD	-	MW-61-110-Q422	GW	11/29/2022	3.2	61	87 J	630 J	21	0.46 J	-
MW-62-065	MW-62-065-Q422	N	LF	-	GW	11/28/2022	0.92	580	590 J	2.2 J	16	5	-
MW-62-110	MW-62-110-Q422	N	3V	-	GW	11/29/2022	6.5	< 1.0 U	2.2 J	450 J	50	< 0.50 UJ	-
MW-62-190	MW-62-190-Q422	N	3V	-	GW	11/29/2022	4	< 1.0 U	< 1.0 UJ	480 J	35	< 0.25 UJ	-
MW-63-065	MW-63-065-Q422	N	LF	-	GW	11/29/2022	1.4	1.5	1.5 J	1.8 J	14	1.4 J	-
MW-64BR	MW-64BR-Q422	N	LF	-	GW	11/29/2022	< 0.10 UJ	< 1.0 U	< 1.0 UJ	1600 J	31	< 0.25 UJ	-

RCM 2022-11 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)
MW-09	MW-09-Q422	N	LF	-	GW	12/1/2022	-	< 0.50 U
MW-09	MW-931-Q422	FD	-	MW-09-Q422	GW	12/1/2022	-	< 0.50 U
MW-10	MW-10-Q422	N	LF	-	GW	11/28/2022	-	1.7 J
MW-10D	MW-10D-Q422	N	LF	-	GW	11/28/2022	-	6.6 J
MW-11	MW-11-Q422	N	LF	-	GW	11/30/2022	-	-
MW-11D	MW-11D-Q422	N	LF	-	GW	11/30/2022	-	-
MW-12	MW-12-Q422	N	LF	-	GW	11/30/2022	-	12
MW-13	MW-13-Q422	N	LF	-	GW	11/30/2022	-	3
MW-14	MW-14-Q422	N	LF	-	GW	12/2/2022	-	1.9
MW-15	MW-15-Q422	N	LF	-	GW	11/29/2022	-	-
MW-19	MW-19-Q422	N	LF	-	GW	12/2/2022	-	-
MW-23-060	MW-23-060-Q422	N	LF	-	GW	11/18/2022	4.85	4.7
MW-23-080	MW-23-080-Q422	N	LF	-	GW	11/18/2022	4	5
MW-24A	MW-24A-Q422	N	LF	-	GW	12/1/2022	-	< 0.50 U
MW-24B	MW-24B-Q422	N	LF	-	GW	12/1/2022	-	2.2
MW-24BR	MW-24BR-Q422	N	3V	-	GW	12/2/2022	-	-
MW-25	MW-25-Q422	N	LF	-	GW	12/2/2022	-	6.6
MW-37D	MW-37D-Q422	N	LF	-	GW	12/1/2022	-	1.8
MW-37S	MW-37S-Q422	N	LF	-	GW	12/1/2022	-	0.87
MW-38D	MW-38D-Q422	N	LF	-	GW	11/28/2022	-	0.55 J
MW-38S	MW-38S-Q422	N	LF	-	GW	11/28/2022	-	3.7 J
MW-40D	MW-40D-Q422	N	LF	-	GW	12/1/2022	-	0.84
MW-40S	MW-40S-Q422	N	G	-	GW	12/1/2022	-	2
MW-41D	MW-41D-Q422	N	LF	-	GW	11/30/2022	-	0.55
MW-41M	MW-41M-Q422	N	LF	-	GW	11/30/2022	-	0.53
MW-41S	MW-41S-Q422	N	LF	-	GW	11/30/2022	-	2.3
MW-48	MW-48-Q422	N	3V	-	GW	12/2/2022	-	< 0.50 U
MW-50-095	MW-50-095-Q422	N	LF	-	GW	11/30/2022	-	-
MW-50-200	MW-50-200-Q422	N	LF	-	GW	11/30/2022	-	1.1
MW-57-070	MW-57-070-Q422	N	LF	-	GW	11/18/2022	-	2.7
MW-57-185	MW-57-185-Q422	N	LF	-	GW	11/18/2022	-	< 0.50 U
MW-58BR	MW-58BR-Q422	N	LF	-	GW	12/8/2022	-	1.5
MW-59-100	MW-59-100-Q422	N	LF	-	GW	11/30/2022	-	3.4
MW-59-100	MW-933-Q422	FD	-	MW-59-100-Q422	GW	11/30/2022	-	3.1
MW-60-125	MW-60-125-Q422	N	LF	-	GW	11/29/2022	-	5
MW-60BR-245	MW-60BR-245-Q422	N	LF	-	GW	11/29/2022	-	-
MW-61-110	MW-61-110-Q422	N	LF	-	GW	11/29/2022	-	0.87
MW-61-110	MW-934-Q422	FD	-	MW-61-110-Q422	GW	11/29/2022	-	0.97
MW-62-065	MW-62-065-Q422	N	LF	-	GW	11/28/2022	-	3.7 J
MW-62-110	MW-62-110-Q422	N	3V	-	GW	11/29/2022	-	0.86
MW-62-190	MW-62-190-Q422	N	3V	-	GW	11/29/2022	-	< 0.50 U
MW-63-065	MW-63-065-Q422	N	LF	-	GW	11/29/2022	-	1
MW-64BR	MW-64BR-Q422	N	LF	-	GW	11/29/2022	-	< 0.50 U

RCM 2022-11 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)	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)
MW-64BR	MW-935-Q422	FD	-	MW-64BR-Q422	GW	11/29/2022	0.92 J	< 1.0 U	< 1.0 UJ	1400 J	28	< 0.25 UJ	-
MW-65-160	MW-65-160-Q422	N	LF	-	GW	11/30/2022	0.23	280	260 J	9.6	22	13	-
MW-65-225	MW-65-225-Q422	N	LF	-	GW	11/30/2022	0.94	440	510 J	1.6	24	9.3	-
MW-66-165	MW-66-165-Q422	N	LF	-	GW	11/29/2022	1.9	420	670 J	24 J	4.5	10 J	-
MW-66-230	MW-66-230-Q422	N	LF	-	GW	11/29/2022	13	7000	6500 J	24 J	93 J	7.3 J	-
MW-66-230	MW-936-Q422	FD	-	MW-66-230-Q422	GW	11/29/2022	12	7000	7000 J	19 J	73 J	17 J	-
MW-66BR-270	MW-66BR-270-Q422	N	3V	-	GW	12/13/2022	< 0.10 U	< 1.0 U	< 1.0 U	1300	-	-	-
MW-67-185	MW-67-185-Q422	N	LF	-	GW	11/10/2022	< 0.50 U	< 80 U	120	1200	23	26	-
MW-67-225	MW-67-225-Q422	N	LF	-	GW	11/30/2022	0.64	4300	4600 J	5	58	15	-
MW-67-260	MW-67-260-Q422	N	LF	-	GW	11/30/2022	3.2	620	750 J	< 0.50 U	76	0.27	-
MW-68-180	MW-68-180-Q422	N	LF	-	GW	11/10/2022	2.1	19000	19000	< 2.5 U	56	25	-
MW-68-240	MW-68-240-Q422	N	LF	-	GW	11/30/2022	< 0.10 U	1800	2000 J	35	20	3.7	-
MW-68BR-280	MW-68BR-280-Q422	N	3V	-	GW	11/30/2022	< 0.10 U	< 1.0 U	< 1.0 UJ	53	-	-	-
MW-69-195	MW-69-195-Q422	N	LF	-	GW	11/30/2022	1.9	140	110 J	12	57	8.6	-
MW-70-105	MW-70-105-Q422	N	LF	-	GW	11/28/2022	2.5	180	170 J	2 J	49	5.3 J	-
MW-70BR-225	MW-70BR-225-Q422	N	LF	-	GW	11/28/2022	< 0.10 U	1400	1500 J	7.1 J	19	3.7	-
MW-70BR-287	MW-70BR-287-Q422	N	LF	-	GW	11/28/2022	< 0.10 U	360	520 J	0.98 J	-	-	-
MW-72-080	MW-72-080-Q422	N	LF	-	GW	11/29/2022	12	77	73 J	64 J	82	1.3 J	-
MW-72BR-200	MW-72BR-200-Q422	N	LF	-	GW	11/29/2022	8.2	< 1.0 U	< 1.0 UJ	330 J	-	-	-
MW-73-080	MW-73-080-Q422	N	LF	-	GW	11/29/2022	1.3	14 J	14 J	24 J	47	1.4 J	-
MW-74-240	MW-74-240-Q422	N	LF	-	GW	11/30/2022	7.5	< 0.20 U	< 1.0 U	8.1	55 J	< 0.50 U	-
MW-83-090	MW-83-090-Q422	N	LF	-	GW	11/30/2022	0.2	38	38	67	3.1 J	4.5	-
MW-83-180	MW-83-180-Q422	N	LF	-	GW	11/30/2022	2.2	7.9	8.3	< 0.50 U	31 J	0.63	-
MW-83-225	MW-83-225-Q422	N	LF	-	GW	11/30/2022	1.1	12	12	1.4	48 J	< 0.50 U	-
MW-83-245	MW-83-245-Q422	N	LF	-	GW	11/30/2022	1.3	3100	3000	27	56 J	2.2	-
MW-84-057	MW-84-057-Q422	N	LF	-	GW	11/29/2022	1.7	31 J	39 J	< 0.50 UJ	22	6.8 J	-
MW-84-095	MW-84-095-Q422	N	LF	-	GW	11/29/2022	0.29	2.8 J	1.6 J	0.68 J	16	1.6 J	-
MW-84-132	MW-84-132-Q422	N	LF	-	GW	11/29/2022	1.5	2.6	2.5 J	2.1 J	9.3	1.5 J	-
MW-84-193	MW-84-193-Q422	N	LF	-	GW	11/29/2022	4.8	3.3 J	3.3 J	< 0.50 UJ	48	1.4 J	-
MW-85-129	MW-85-129-Q422	N	LF	-	GW	12/1/2022	0.86	190	180	0.96 J	2.6 J	20	-
MW-85-217	MW-85-217-Q422	N	LF	-	GW	12/1/2022	3.4	570	480	2.7 J	47 J	8.9	-
MW-85-237	MW-85-237-Q422	N	LF	-	GW	12/1/2022	2	84	75	71 J	81 J	1.6	-
MW-87-109	MW-87-109-Q422	N	LF	-	GW	11/18/2022	0.63	22	20 J	55	8.5	7.1	-
MW-87-139	MW-87-139-Q422	N	LF	-	GW	11/18/2022	< 0.10 U	8	7.6 J	2.6	4.5	1.6	-
MW-87-192	MW-87-192-Q422	N	LF	-	GW	11/18/2022	< 0.10 U	1.4	1.4 J	< 0.50 U	27	1.1	-
MW-87-275	MW-87-275-Q422	N	LF	-	GW	11/18/2022	1.6	< 1.0 U	1.3 J	< 0.50 U	41	1.1	-
MW-88-107	MW-88-107-Q422	N	LF	-	GW	11/30/2022	1.9	120	130 J	2	-	-	-
MW-89-183	MW-89-183-Q422	N	LF	-	GW	12/1/2022	< 0.10 U	1	1.3	< 0.50 UJ	6.7 J	3.9	2.8 J
MW-89-183	MW-937-Q422	FD	-	MW-89-183-Q422	GW	12/1/2022	< 0.10 U	1.1	1.2	< 0.50 UJ	6.4 J	4.4	2.8 J
MW-89-273	MW-89-273-Q422	N	LF	-	GW	12/1/2022	4.6	0.63	< 1.0 U	< 0.50 UJ	35 J	4	2.8 J
MW-93-050	MW-93-050-Q422	N	LF	-	GW	11/29/2022	1.3	24 J	23 J	< 0.50 UJ	-	-	-
MW-93-213	MW-93-213-Q422	N	LF	-	GW	11/29/2022	< 0.10 U	< 1.0 U	< 1.0 UJ	100 J	-	-	-
MW-95-113	MW-95-113-Q422	N	LF	-	GW	12/8/2022	1.3	1.2	1.8 J	50 J	4.2	4.9	6 J

RCM 2022-11 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)
MW-64BR	MW-935-Q422	FD	-	MW-64BR-Q422	GW	11/29/2022	-	< 0.50 U
MW-65-160	MW-65-160-Q422	N	LF	-	GW	11/30/2022	-	9.8
MW-65-225	MW-65-225-Q422	N	LF	-	GW	11/30/2022	-	7.4
MW-66-165	MW-66-165-Q422	N	LF	-	GW	11/29/2022	-	13
MW-66-230	MW-66-230-Q422	N	LF	-	GW	11/29/2022	-	15
MW-66-230	MW-936-Q422	FD	-	MW-66-230-Q422	GW	11/29/2022	-	12
MW-66BR-270	MW-66BR-270-Q422	N	3V	-	GW	12/13/2022	-	-
MW-67-185	MW-67-185-Q422	N	LF	-	GW	11/10/2022	-	140
MW-67-225	MW-67-225-Q422	N	LF	-	GW	11/30/2022	-	62
MW-67-260	MW-67-260-Q422	N	LF	-	GW	11/30/2022	-	1.5
MW-68-180	MW-68-180-Q422	N	LF	-	GW	11/10/2022	-	20
MW-68-240	MW-68-240-Q422	N	LF	-	GW	11/30/2022	-	4
MW-68BR-280	MW-68BR-280-Q422	N	3V	-	GW	11/30/2022	-	-
MW-69-195	MW-69-195-Q422	N	LF	-	GW	11/30/2022	-	5.7
MW-70-105	MW-70-105-Q422	N	LF	-	GW	11/28/2022	-	4.7 J
MW-70BR-225	MW-70BR-225-Q422	N	LF	-	GW	11/28/2022	-	2.4 J
MW-70BR-287	MW-70BR-287-Q422	N	LF	-	GW	11/28/2022	-	-
MW-72-080	MW-72-080-Q422	N	LF	-	GW	11/29/2022	-	1.7
MW-72BR-200	MW-72BR-200-Q422	N	LF	-	GW	11/29/2022	-	-
MW-73-080	MW-73-080-Q422	N	LF	-	GW	11/29/2022	-	2.2
MW-74-240	MW-74-240-Q422	N	LF	-	GW	11/30/2022	-	< 0.50 U
MW-83-090	MW-83-090-Q422	N	LF	-	GW	11/30/2022	-	3.7
MW-83-180	MW-83-180-Q422	N	LF	-	GW	11/30/2022	-	0.72
MW-83-225	MW-83-225-Q422	N	LF	-	GW	11/30/2022	-	< 0.50 U
MW-83-245	MW-83-245-Q422	N	LF	-	GW	11/30/2022	-	2.8
MW-84-057	MW-84-057-Q422	N	LF	-	GW	11/29/2022	-	4.6
MW-84-095	MW-84-095-Q422	N	LF	-	GW	11/29/2022	-	1
MW-84-132	MW-84-132-Q422	N	LF	-	GW	11/29/2022	-	1.4
MW-84-193	MW-84-193-Q422	N	LF	-	GW	11/29/2022	-	1.5
MW-85-129	MW-85-129-Q422	N	LF	-	GW	12/1/2022	-	9.8
MW-85-217	MW-85-217-Q422	N	LF	-	GW	12/1/2022	-	4.2
MW-85-237	MW-85-237-Q422	N	LF	-	GW	12/1/2022	-	1.2
MW-87-109	MW-87-109-Q422	N	LF	-	GW	11/18/2022	-	3.5
MW-87-139	MW-87-139-Q422	N	LF	-	GW	11/18/2022	-	1
MW-87-192	MW-87-192-Q422	N	LF	-	GW	11/18/2022	-	1.1
MW-87-275	MW-87-275-Q422	N	LF	-	GW	11/18/2022	-	1
MW-88-107	MW-88-107-Q422	N	LF	-	GW	11/30/2022	-	-
MW-89-183	MW-89-183-Q422	N	LF	-	GW	12/1/2022	-	2.6
MW-89-183	MW-937-Q422	FD	-	MW-89-183-Q422	GW	12/1/2022	-	2.7
MW-89-273	MW-89-273-Q422	N	LF	-	GW	12/1/2022	-	3.6
MW-93-050	MW-93-050-Q422	N	LF	-	GW	11/29/2022	-	-
MW-93-213	MW-93-213-Q422	N	LF	-	GW	11/29/2022	-	-
MW-95-113	MW-95-113-Q422	N	LF	-	GW	12/8/2022	-	5.1

RCM 2022-11 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)	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)
MW-95-113	MW-938-Q422	FD	-	MW-95-113-Q422	GW	12/8/2022	1.2	1.2	1.3 J	71 J	4.3	4.9	6.6 J
MW-95-157	MW-95-157-Q422	N	LF	-	GW	12/8/2022	0.21	6.5	6.7 J	0.91	10	5.6	5.8 J
MW-98-055	MW-98-055-Q422	N	LF	-	GW	11/30/2022	1.8	440	650 J	15	-	-	-
MW-98-077	MW-98-077-Q422	N	LF	-	GW	11/30/2022	4.6	300	360 J	2.4	-	-	-
PGE-07BR	PGE-07BR-Q422	N	3V	-	GW	12/1/2022	< 0.10 U	< 1.0 U	< 1.0 U	330 J	-	-	-
PGE-08	PGE-08-Q422	N	3V	-	GW	12/2/2022	< 0.10 U	< 1.0 U	< 1.0 UJ	780	-	-	-
PT8D	PT8D-Q422	N	LF	-	GW	12/1/2022	0.67	130	110	900 J	-	-	-
PT9D	PT9D-Q422	N	LF	-	GW	12/1/2022	1.1	4000	4400	24 J	29 J	8	-
PT9M	PT9M-Q422	N	LF	-	GW	12/1/2022	< 0.10 U	590	760	51 J	5.2 J	7.4	-
PT9M	MW-939-Q422	FD	-	PT9M-Q422	GW	12/1/2022	< 0.10 U	600	550	48 J	4.8 J	7.6	-
PT9S	PT9S-Q422	N	LF	-	GW	12/1/2022	0.98	94	86	660 J	12 J	2.8	-
TW-01	TW-01-Q422	N	3V	-	GW	12/15/2022	< 0.10 U	3300	3200	19	13	8.6	-
TW-05	TW-05-Q422	N	LF	-	GW	11/28/2022	1.5	13	12 J	< 0.50 UJ	-	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Nitrate Nitrite as Nitrogen by EPA 353.2 which was analyzed by 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
J = estimated value
mg/L = milligrams per liter
N = Normal
SW = solid waste
U = analyte not detected
- = no entry

RCM 2022-11 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)
MW-95-113	MW-938-Q422	FD	-	MW-95-113-Q422	GW	12/8/2022	-	5.2
MW-95-157	MW-95-157-Q422	N	LF	-	GW	12/8/2022	-	5.9
MW-98-055	MW-98-055-Q422	N	LF	-	GW	11/30/2022	-	-
MW-98-077	MW-98-077-Q422	N	LF	-	GW	11/30/2022	-	-
PGE-07BR	PGE-07BR-Q422	N	3V	-	GW	12/1/2022	-	-
PGE-08	PGE-08-Q422	N	3V	-	GW	12/2/2022	-	-
PT8D	PT8D-Q422	N	LF	-	GW	12/1/2022	-	-
PT9D	PT9D-Q422	N	LF	-	GW	12/1/2022	-	6.1
PT9M	PT9M-Q422	N	LF	-	GW	12/1/2022	-	5.7
PT9M	MW-939-Q422	FD	-	PT9M-Q422	GW	12/1/2022	-	5.8
PT9S	PT9S-Q422	N	LF	-	GW	12/1/2022	-	1.5
TW-01	TW-01-Q422	N	3V	-	GW	12/15/2022	-	24
TW-05	TW-05-Q422	N	LF	-	GW	11/28/2022	-	-

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Nitrate Nitrite as Nitrogen by EPA 353.2 which was analyzed by BC Labs.
< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
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FD = field duplicate
GW = groundwater
J = estimated value
mg/L = milligrams per liter
N = Normal
SW = solid waste
U = analyte not detected
- = no entry

RCM 2022-11 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)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)
C-BNS	C-BNS-Q422	N	R	-	Surface Water	11/15/2022	2.5 J	< 0.20 U	< 1.0 U	0.67	4.7	0.27
C-CON-D	C-CON-D-Q422	N	R	-	Surface Water	11/16/2022	2.6	< 0.20 U	< 1.0 U	0.87	4.7	0.28
C-CON-S	C-CON-S-Q422	N	R	-	Surface Water	11/16/2022	2.6	< 0.20 U	< 1.0 U	0.86	4.7	0.29
C-I-3-D	C-I-3-D-Q422	N	R	-	Surface Water	11/15/2022	2.6 J	< 0.20 U	< 1.0 U	< 0.50 U	4.7	0.26
C-I-3-S	C-I-3-S-Q422	N	R	-	Surface Water	11/15/2022	2.5 J	< 0.20 U	< 1.0 U	< 0.50 U	4.5	0.27
C-MAR-D	C-MAR-D-Q422	N	R	-	Surface Water	11/16/2022	2.4	< 0.20 U	< 1.0 U	52	4.8	0.25
C-MAR-S	C-MAR-S-Q422	N	R	-	Surface Water	11/16/2022	2.3	< 0.20 U	< 1.0 U	47	4.7	0.23
C-NR1-D	C-NR1-D-Q422	N	R	-	Surface Water	11/16/2022	2.3	< 0.20 U	< 1.0 U	0.67	4.3	0.26
C-NR1-S	C-NR1-S-Q422	N	R	-	Surface Water	11/16/2022	2.6	< 0.20 U	< 1.0 U	0.7	4.8	0.26
C-NR3-D	C-NR3-D-Q422	N	R	-	Surface Water	11/16/2022	2.4	< 0.20 U	< 1.0 U	0.61	4.5	0.28
C-NR3-S	C-NR3-S-Q422	N	R	-	Surface Water	11/16/2022	2.3	< 0.20 U	< 1.0 U	0.64	4.4	0.28
C-NR4-D	C-NR4-D-Q422	N	R	-	Surface Water	11/16/2022	2.3	< 0.20 U	< 1.0 U	0.74	4.3	0.32
C-NR4-S	C-NR4-S-Q422	N	R	-	Surface Water	11/16/2022	2.3	< 0.20 U	< 1.0 U	0.7	4.4	0.3
C-NR4-S	MW-940-Q422	FD	-	C-NR4-S-Q422	Surface Water	11/16/2022	2.5	< 0.20 U	< 1.0 U	0.71	4.8	0.28
C-R22A-D	C-R22A-D-Q422	N	R	-	Surface Water	11/15/2022	2.6 J	< 0.20 U	< 1.0 U	0.97	4.9	0.28 J
C-R22A-S	C-R22A-S-Q422	N	R	-	Surface Water	11/15/2022	2.5 J	< 0.20 U	< 1.0 U	1.2	4.5	0.28 J
C-R27-D	C-R27-D-Q422	N	R	-	Surface Water	11/15/2022	2.7 J	< 0.20 U	< 1.0 U	2.1	5.3	0.27 J
C-R27-S	C-R27-S-Q422	N	R	-	Surface Water	11/15/2022	2.7 J	< 0.20 U	< 1.0 U	0.6	4.8	0.26 J
C-TAZ-D	C-TAZ-D-Q422	N	R	-	Surface Water	11/15/2022	2.5 J	< 0.20 U	< 1.0 U	0.62	4.6	0.28 J
C-TAZ-S	C-TAZ-S-Q422	N	R	-	Surface Water	11/15/2022	2.7 J	< 0.20 U	< 1.0 U	0.61	4.9	0.26 J
C-TAZ-S	MW-941-Q422	FD	-	C-TAZ-S-Q422	Surface Water	11/15/2022	2.5 J	< 0.20 U	< 1.0 U	0.52	4.7	0.27 J
R-19	R-19-Q422	N	R	-	Surface Water	11/16/2022	2.5	< 0.20 U	< 1.0 U	0.98	4.6	0.3

RCM 2022-11 Surface Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by method SW 6020 (µg/L)
C-BNS	C-BNS-Q422	N	R	-	Surface Water	11/15/2022	1.2
C-CON-D	C-CON-D-Q422	N	R	-	Surface Water	11/16/2022	1.5
C-CON-S	C-CON-S-Q422	N	R	-	Surface Water	11/16/2022	1.6
C-I-3-D	C-I-3-D-Q422	N	R	-	Surface Water	11/15/2022	1.6
C-I-3-S	C-I-3-S-Q422	N	R	-	Surface Water	11/15/2022	1.5
C-MAR-D	C-MAR-D-Q422	N	R	-	Surface Water	11/16/2022	1.2
C-MAR-S	C-MAR-S-Q422	N	R	-	Surface Water	11/16/2022	1.4
C-NR1-D	C-NR1-D-Q422	N	R	-	Surface Water	11/16/2022	1.4
C-NR1-S	C-NR1-S-Q422	N	R	-	Surface Water	11/16/2022	1.6
C-NR3-D	C-NR3-D-Q422	N	R	-	Surface Water	11/16/2022	1.4
C-NR3-S	C-NR3-S-Q422	N	R	-	Surface Water	11/16/2022	1.5
C-NR4-D	C-NR4-D-Q422	N	R	-	Surface Water	11/16/2022	1.4
C-NR4-S	C-NR4-S-Q422	N	R	-	Surface Water	11/16/2022	1.4
C-NR4-S	MW-940-Q422	FD	-	C-NR4-S-Q422	Surface Water	11/16/2022	1.4
C-R22A-D	C-R22A-D-Q422	N	R	-	Surface Water	11/15/2022	1.5
C-R22A-S	C-R22A-S-Q422	N	R	-	Surface Water	11/15/2022	1.4
C-R27-D	C-R27-D-Q422	N	R	-	Surface Water	11/15/2022	1.5
C-R27-S	C-R27-S-Q422	N	R	-	Surface Water	11/15/2022	1.7
C-TAZ-D	C-TAZ-D-Q422	N	R	-	Surface Water	11/15/2022	1.7
C-TAZ-S	C-TAZ-S-Q422	N	R	-	Surface Water	11/15/2022	1.5
C-TAZ-S	MW-941-Q422	FD	-	C-TAZ-S-Q422	Surface Water	11/15/2022	1.3
R-19	R-19-Q422	N	R	-	Surface Water	11/16/2022	1.4

RCM 2022-11 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)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)
R-28	R-28-Q422	N	R	-	Surface Water	11/15/2022	2.4 J	< 0.20 U	< 1.0 U	1	4.7	0.26 J
R63	R63-Q422	N	R	-	Surface Water	11/15/2022	2.6 J	< 0.20 U	< 1.0 U	3	4.8	0.28
RRB	RRB-Q422	N	R	-	Surface Water	11/16/2022	2.7	< 0.20 U	< 1.0 U	7.7	5.2	0.2
SW1	SW1-Q422	N	R	-	Surface Water	11/15/2022	2.1 J	< 0.20 U	< 1.0 U	1	9	< 0.050 U
SW1	MW-942-Q422	FD	-	SW1-Q422	Surface Water	11/15/2022	1.8 J	< 0.20 U	< 1.0 U	0.72	8.5	< 0.050 U
SW2	SW2-Q422	N	R	-	Surface Water	11/15/2022	1.5 J	< 0.20 U	< 1.0 U	8.3	4.5	< 0.050 U

Notes:

All samples were sent to Asset Laboratories for analyses.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicate

J = estimated value

mg/L = milligrams per liter

N = Normal

R = river sample

SW = solid waste

U = analyte not detected

- = no entry

RCM 2022-11 Surface Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by method SW 6020 (µg/L)
R-28	R-28-Q422	N	R	-	Surface Water	11/15/2022	1.4
R63	R63-Q422	N	R	-	Surface Water	11/15/2022	1.6
RRB	RRB-Q422	N	R	-	Surface Water	11/16/2022	1.5
SW1	SW1-Q422	N	R	-	Surface Water	11/15/2022	0.97
SW1	MW-942-Q422	FD	-	SW1-Q422	Surface Water	11/15/2022	0.89
SW2	SW2-Q422	N	R	-	Surface Water	11/15/2022	< 0.50 U

Notes:

All samples were sent to Asset Laboratories for analyses.

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Acronyms and Abbreviations:

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FD = field duplicate

J = estimated value

mg/L = milligrams per liter

N = Normal

R = river sample

SW = solid waste

U = analyte not detected

- = no entry

RCM 2022-12 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-67-185-1222	N	LF	GW	12/7/2022	< 80 U	< 5.0 UJ	1200	33 J	25	160
MW-68-180	MW-68-180-1222	N	LF	GW	12/7/2022	21000	21000 J	-	73 J	-	-

Notes:

All samples were sent to Asset Laboratories for analyses.

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- GW = groundwater
- J = estimated value
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- = no entry

Unvalidated RCM 2023-01 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-67-185-0123	N	LF	GW	1/10/2023	< 80 U	< 5.0 U	1500	37	25	150
MW-68-180	MW-68-180-0123	N	LF	GW	1/10/2023	20000	21000	-	52	-	-

Notes:

All samples were sent to Asset Laboratories for analyses.

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- GW = groundwater
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- = no entry

Unvalidated RCM 2023-02 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)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-09	MW-09-Q123	N	LF	-	GW	2/20/2023	< 0.20 U	< 1.0 U	-	-	-	-
MW-10	MW-10-Q123	N	LF	-	GW	2/20/2023	4000	3700	-	-	-	-
MW-11	MW-11-Q123	N	LF	-	GW	2/20/2023	230	280	-	-	-	-
MW-11	MW-931-Q123	FD	-	MW-11-Q123	GW	2/20/2023	220	250	-	-	-	-
MW-24A	MW-24A-Q123	N	LF	-	GW	2/20/2023	< 0.20 U	< 1.0 U	-	-	-	-
MW-38D	MW-38D-Q123	N	LF	-	GW	2/20/2023	24	24	-	34	< 1.0 U	< 2.5 U
MW-38S	MW-38S-Q123	N	LF	-	GW	2/20/2023	31	30	-	8.4	5.5	4.7
MW-65-160	MW-65-160-Q123	N	LF	-	GW	2/17/2023	280	280	-	21	13	< 0.50 U
MW-65-225	MW-65-225-Q123	N	LF	-	GW	2/17/2023	450	470	-	24	8.7	7.5
MW-67-185	MW-67-185-Q123	N	LF	-	GW	2/17/2023	< 80 U	9.5	830	35	29	200
MW-67-185	MW-927-Q123	FD	-	MW-67-185-Q123	GW	2/17/2023	< 80 U	9.6	1100	27	28	160
MW-68-180	MW-68-180-Q123	N	LF	-	GW	2/17/2023	20000	20000	-	74	20	23
MW-69-195	MW-69-195-Q123	N	LF	-	GW	2/17/2023	280	300	-	55	13	13
MW-88-107	MW-88-107-Q123	N	LF	-	GW	2/20/2023	53	53	-	-	-	-
MW-95-113	MW-95-113-Q123	N	LF	-	GW	2/20/2023	1.6	1.8	-	-	-	-

Notes:
All samples were sent to Asset Laboratories for analyses.

Acronyms and Abbreviations:
µg/L = micrograms per liter
EPA = Environmental Protection Agency
FD = field duplicate
GW = groundwater
mg/L = milligrams per liter
N = Normal
SW = solid waste
- = no entry

Unvalidated RCM 2023-02 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)	Manganese, dissolved by method SW 6020 (µg/L)
C-BNS	C-BNS-Q123	N	R	-	Surface Water	2/15/2023	2.5	< 0.20 U	35
C-BNS	MW-928-Q123	FD	-	C-BNS-Q123	Surface Water	2/15/2023	2.7	< 0.20 U	1.1
C-CON-D	C-CON-D-Q123	N	R	-	Surface Water	2/16/2023	2.3	< 0.20 U	1.4
C-CON-S	C-CON-S-Q123	N	R	-	Surface Water	2/16/2023	2.2	< 0.20 U	1.4
C-I-3-D	C-I-3-D-Q123	N	R	-	Surface Water	2/15/2023	2.8	< 0.20 U	1.1
C-I-3-S	C-I-3-S-Q123	N	R	-	Surface Water	2/15/2023	2.8	< 0.20 U	1
C-MAR-D	C-MAR-D-Q123	N	R	-	Surface Water	2/16/2023	2.3	< 0.20 U	43
C-MAR-S	C-MAR-S-Q123	N	R	-	Surface Water	2/16/2023	2.1	< 0.20 U	34
C-NR1-D	C-NR1-D-Q123	N	R	-	Surface Water	2/16/2023	2.4	< 0.20 U	1.5
C-NR1-S	C-NR1-S-Q123	N	R	-	Surface Water	2/16/2023	2.3	< 0.20 U	1.3
C-NR1-S	MW-929-Q123	FD	-	C-NR1-S-Q123	Surface Water	2/16/2023	2.3	< 0.20 U	1.4
C-NR3-D	C-NR3-D-Q123	N	R	-	Surface Water	2/16/2023	2.3	< 0.20 U	1.2
C-NR3-S	C-NR3-S-Q123	N	R	-	Surface Water	2/16/2023	2.4	< 0.20 U	1.2
C-NR4-D	C-NR4-D-Q123	N	R	-	Surface Water	2/16/2023	2.3	< 0.20 U	1.1
C-NR4-S	C-NR4-S-Q123	N	R	-	Surface Water	2/16/2023	2.2	< 0.20 U	1
C-R22A-D	C-R22A-D-Q123	N	R	-	Surface Water	2/15/2023	2.8	< 0.20 U	13
C-R22A-S	C-R22A-S-Q123	N	R	-	Surface Water	2/15/2023	3	< 0.20 U	1.2
C-R27-D	C-R27-D-Q123	N	R	-	Surface Water	2/15/2023	2.7	< 0.20 U	0.99
C-R27-D	MW-930-Q123	FD	-	C-R27-D-Q123	Surface Water	2/15/2023	2.5	< 0.20 U	0.93
C-R27-S	C-R27-S-Q123	N	R	-	Surface Water	2/15/2023	2.7	< 0.20 U	0.99
C-TAZ-D	C-TAZ-D-Q123	N	R	-	Surface Water	2/15/2023	2.6	< 0.20 U	1.6
C-TAZ-S	C-TAZ-S-Q123	N	R	-	Surface Water	2/15/2023	2.6	< 0.20 U	1.1
R-19	R-19-Q123	N	R	-	Surface Water	2/16/2023	2.4	< 0.20 U	1.5
R-28	R-28-Q123	N	R	-	Surface Water	2/15/2023	2.6	< 0.20 U	1.1
R63	R63-Q123	N	R	-	Surface Water	2/15/2023	2.4	< 0.20 U	3.4
RRB	RRB-Q123	N	R	-	Surface Water	2/16/2023	1.8	< 0.20 U	1.8
SW1	SW1-Q123	N	R	-	Surface Water	2/15/2023	2.5	< 0.20 U	1.6
SW2	SW2-Q123	N	R	-	Surface Water	2/15/2023	2.5	< 0.20 U	1.6

Notes:

All samples were sent to Asset Laboratories for analyses.

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- = no entry