

Preliminary TW-01 Extended Aquifer Test-M6W24

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (µg/L)	Rhodamine-clc by Method Dye Test (µg/L)
TW-01	TW-01-M6W24-1221	N	GW	12/8/2021	1200	0.368	0.091	0.758
TW-01	TW-01-M6W24-1221-CS	N	Charcoal	12/8/2021		14.9	4.46	66.5

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine). The dye analyses was run at Ozark Underground Laboratory.

Acronyms and Abbreviations:

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 N = Normal

Hyd6 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Aluminum, dissolved by Method SW 6020A (µg/L)	Ammonia as nitrogen by Method 4500 (mg/L)	Antimony, dissolved by Method SW 6020A (µg/L)	Arsenic, dissolved by Method SW 6020A (µg/L)	Barium, dissolved by Method SW 6020A (µg/L)	Beryllium, dissolved by Method SW 6020A (µg/L)	Boron, dissolved by Method SW 6020A (mg/L)
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	15.1	92.8	< 1.0 U	0.547
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	16.5	98.1	< 1.0 U	0.524
MTS-1	MTS-1-Q421	N		GW	11/15/2021	40.7	< 200 U	0.261	< 1.0 U	23.9	28.1	< 1.0 U	0.487
MTS-2	MTS-2-Q421	N		GW	11/15/2021	69.8	< 200 U	< 0.10 U	< 1.0 U	17.3	82.6	< 1.0 U	0.756
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	5.25	58.3	< 1.0 U	0.567
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	10.1	77.6	< 1.0 U	0.516
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021		< 200 U		< 1.0 U	9.91	76.8	< 1.0 U	0.536
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	11.4	88.4	< 1.0 U	0.416
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021		< 200 U		< 1.0 U	7.86	35.1	< 1.0 U	1.2
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021		< 200 U		< 1.0 U	4.79	57	< 1.0 U	0.648
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021		< 2000 U		< 10 U	43.4	67.2	< 10 U	3.2
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021		< 2000 U		< 10 U	17.4	51	< 10 U	2.49
SITE B	SITE B-165-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	17	113	< 1.0 U	0.333
SITE B	SITE B-220-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	17.6	113	< 1.0 U	0.328
SITE B	SITE B-285-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	17	108	< 1.0 U	0.321

Notes:

Analyses were performed by Emax Laboratory with the exception of ammonia. The ammonia was analyzed at BC Labs.

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Hyd6 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Cadmium, dissolved by Method SW 6020A (µg/L)	Calcium, dissolved by Method SW 6020A (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020A (µg/L)	Cobalt, dissolved by Method SW 6020A (µg/L)	Copper, dissolved by Method SW 6020A (µg/L)	Deuterium by Method CFIRM (0/00)
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	< 1.0 U	29.2	694	13.5	16.9	< 1.0 U	< 2.0 U	-74.4
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	< 1.0 U	29.8	647	13.8	56.5	1.21	2.81	-73.9
MTS-1	MTS-1-Q421	N		GW	11/15/2021	< 1.0 U	11.2	1160	< 0.20 U	< 1.0 U	< 1.0 U	< 2.0 U	-75.1
MTS-2	MTS-2-Q421	N		GW	11/15/2021	< 1.0 U	85.6	724	5.43	7.3	< 1.0 U	< 2.0 U	-74.9
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021	< 1.0 U	49.6	776	19.7	20.7	< 1.0 U	< 2.0 U	-72.6
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	< 1.0 U	45.9	446	8.6	9.26	< 1.0 U	< 2.0 U	-72.6
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	< 1.0 U	46.5	454	8.58	9.17	< 1.0 U	< 2.0 U	-73.3
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	< 1.0 U	24.1	242	14.6	15.6	< 1.0 U	< 2.0 U	-73.7
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021	< 1.0 U	47.8	550	< 0.20 U	< 1.0 U	< 1.0 U	< 2.0 U	-72.3
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	< 1.0 U	64.4	619	0.593	< 1.0 U	< 1.0 U	< 2.0 U	-72.7
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	< 10 U	171	3640	< 1.0 U	< 10 U	< 10 U	< 20 U	-75.1
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	< 10 U	146	3740	< 1.0 U	< 10 U	< 10 U	< 20 U	-77.3
SITE B	SITE B-165-Q421	N		GW	11/17/2021	< 1.0 U	34.5	345	31.4	43	< 1.0 U	< 2.0 U	-75.8
SITE B	SITE B-220-Q421	N		GW	11/17/2021	< 1.0 U	34.6	357	31.2	50.9	< 1.0 U	< 2.0 U	-75.4
SITE B	SITE B-285-Q421	N		GW	11/17/2021	< 1.0 U	34.8	341	31.4	40.6	< 1.0 U	< 2.0 U	-75.2

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Hyd6 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Fluoride by Method EPA 300.0 (mg/L)	Iron, dissolved by Method SW 6020A (µg/L)	Lead, dissolved by Method SW 6020A (µg/L)	Magnesium, dissolved by Method SW 6020A (mg/L)	Manganese, dissolved by Method SW 6020A (µg/L)	Mercury, dissolved by Method EPA 7470A (µg/L)	Molybdenum, dissolved by Method SW 6020A (µg/L)	Nickel, dissolved by Method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	4.27	< 100 U	< 1.0 U	2.23	< 10 U	< 0.50 U	13.9	14.1
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	4.37	278	< 1.0 U	2.23	< 10 U	< 0.50 U	14.3	26.7
MTS-1	MTS-1-Q421	N		GW	11/15/2021	4.74	< 100 U	< 1.0 U	0.358	< 10 U	< 0.50 U	14.3	< 1.0 U
MTS-2	MTS-2-Q421	N		GW	11/15/2021	5	< 100 U	< 1.0 U	3.07	< 10 U	< 0.50 U	17.9	2.39
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021	3.91	< 100 U	< 1.0 U	11.2	< 10 U	< 0.50 U	13.3	< 1.0 U
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	3.18	< 100 U	< 1.0 U	6.53	< 10 U	< 0.50 U	18.7	< 1.0 U
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	2.98	< 100 U	< 1.0 U	6.56	< 10 U	< 0.50 U	18.5	< 1.0 U
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	3.78	< 100 U	< 1.0 U	1.59	< 10 U	< 0.50 U	9.61	< 1.0 U
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021	2.87	120	< 1.0 U	19.4	125	< 0.50 U	40	5.94
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	3.46	< 100 U	< 1.0 U	11	18.4	< 0.50 U	23.6	4
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	< 0.20 U	7050	< 10 U	83.9	714	< 0.50 U	61.9	< 10 U
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	< 0.20 U	10500	< 10 U	111	421	< 0.50 U	34.6	< 10 U
SITE B	SITE B-165-Q421	N		GW	11/17/2021	4.21	< 100 U	< 1.0 U	6.89	< 10 U	< 0.50 U	11.6	23.6
SITE B	SITE B-220-Q421	N		GW	11/17/2021	4.13	107	< 1.0 U	6.87	< 10 U	< 0.50 U	11.9	25
SITE B	SITE B-285-Q421	N		GW	11/17/2021	4.23	< 100 U	< 1.0 U	6.65	< 10 U	< 0.50 U	11.3	23

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Hyd6 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Nitrate by Method EPA 300.0 (mg/L)	Oxygen 18 by Method CFIRM (0/00)	Potassium, dissolved by Method SW 6020A (mg/L)	Selenium, dissolved by Method SW 6020A (µg/L)	Silver, dissolved by Method SW 6020A (µg/L)	Sodium, dissolved by Method SW 6020A (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Thallium, dissolved by Method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	1.86	-10.06	6.86	< 1.0 U	< 1.0 U	415	88.6	< 1.0 U
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	2.88	-10.07	6.93	< 1.0 U	< 1.0 U	426	92.1	< 1.0 U
MTS-1	MTS-1-Q421	N		GW	11/15/2021	< 0.20 U	-10.07	6.38	< 1.0 U	< 1.0 U	352	128	< 1.0 U
MTS-2	MTS-2-Q421	N		GW	11/15/2021	1.57	-10.03	7.68	< 1.0 U	< 1.0 U	370	144	< 1.0 U
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021	3.27	-9.56	6.13	3.88	< 1.0 U	215	168	< 1.0 U
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	1.78	-9.74	6.93	< 1.0 U	< 1.0 U	275	109	< 1.0 U
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	1.66	-9.74	6.92	< 1.0 U	< 1.0 U	277	109	< 1.0 U
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	2.16	-10.03	5.26	< 1.0 U	< 1.0 U	183	63.4	< 1.0 U
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021	< 0.10 U	-9.57	12.9	< 1.0 U	< 1.0 U	445	213 J	< 1.0 U
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	1.88	-9.82	9.65	1.45	< 1.0 U	378	157 J	< 1.0 U
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	< 2.0 U	-9.8	13	< 10 U	< 10 U	2230	990 J	< 10 U
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	< 4.0 U	-10	14.8	< 10 U	< 10 U	2240	867 J	< 10 U
SITE B	SITE B-165-Q421	N		GW	11/17/2021	2.28	-10.2	5.49	1	< 1.0 U	229	82.1	< 1.0 U
SITE B	SITE B-220-Q421	N		GW	11/17/2021	2.37	-10.21	5.49	1.05	< 1.0 U	228	81.7	< 1.0 U
SITE B	SITE B-285-Q421	N		GW	11/17/2021	2.38	-10.2	5.45	1.12	< 1.0 U	223	79.8	< 1.0 U

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Hyd6 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Total dissolved solids by Method SM 2540 C (mg/L)	Vanadium, dissolved by Method SW 6020A (µg/L)	Zinc, dissolved by Method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	1260	17.5 J	< 20 U
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	1300	18.8 J	< 20 U
MTS-1	MTS-1-Q421	N		GW	11/15/2021	2090	< 1.0 U	< 20 U
MTS-2	MTS-2-Q421	N		GW	11/15/2021	1350	11.2	< 20 U
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021	836	14.9 J	< 20 U
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	921	16.2 J	< 20 U
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	969	16.3 J	< 20 U
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	578	18 J	< 20 U
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021	1150	< 1.0 U	< 20 U
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	978	5.04	< 20 U
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	6660	< 10 U	< 200 U
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	6820	< 10 U	< 200 U
SITE B	SITE B-165-Q421	N		GW	11/17/2021	771	17.7 J	< 20 U
SITE B	SITE B-220-Q421	N		GW	11/17/2021	788	18 J	< 20 U
SITE B	SITE B-285-Q421	N		GW	11/17/2021	743	17.5 J	< 20 U

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Preliminary IM3 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO ₃ 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)	Chromium, total dissolved by Method SW 6020 (µg/L)
CW-01D	CW-01D-Q421	N		GW	12/1/2021	73	< 0.10 UJ	20	1.1	150	1900	0.51	1.6
CW-01M	CW-01M-Q421	N		GW	12/1/2021	90	< 0.10 UJ	74	0.98	180	2100	1.2	2.4
CW-02D	CW-02D-Q421	N		GW	12/6/2021	64	< 0.10 U	17	1	100	2200	0.45	1.4
CW-02D	MW-926-Q421	FD	CW-02D-Q421	GW	12/6/2021	64	< 0.10 U	17	0.97	95	2200	0.45	1.5
CW-02M	CW-02M-Q421	N		GW	12/6/2021	63	< 0.10 U	66	1.1	140	2200	1.1	2.3
CW-03D	CW-03D-Q421	N		GW	12/6/2021	70	< 0.10 U	19	0.89	73	2200	1.2	2.2
CW-03M	CW-03M-Q421	N		GW	12/6/2021	52	< 0.10 U	34	1.2	150	2200	2.2	3.6
CW-04D	CW-04D-Q421	N		GW	12/1/2021	72	< 0.10 UJ	30	0.99	160	2100	0.3	17
CW-04M	CW-04M-Q421	N		GW	12/1/2021	57	< 0.10 UJ	98	0.91	210	2100	1.2	2.1
OW-01D	OW-01D-Q421	N		GW	12/15/2021	86	< 0.10 U	32	1.1	140	2000	0.5	2.8
OW-01M	OW-01M-Q421	N		GW	12/15/2021	110	< 0.10 U	63	1	150	2000	1.2	4.1
OW-01S	OW-01S-Q421	N		GW	12/15/2021	270	< 0.10 U	110	0.88	350	1700	8.4	31
OW-02D	OW-02D-Q421	N		GW	12/15/2021	86	< 0.10 U	24	1.1	190	2100	0.28	1.8
OW-02M	OW-02M-Q421	N		GW	12/15/2021	97	< 0.10 U	38	1.1	150	2000	1.1	1.6
OW-02S	OW-02S-Q421	N		GW	12/15/2021	58	< 0.10 U	130	0.59	130	1100	15	15
OW-05D	OW-05D-Q421	N		GW	12/1/2021	76	< 0.10 UJ	28	1.1	200	2000	0.42	1.9
OW-05M	OW-05M-Q421	N		GW	12/1/2021	79	< 0.10 UJ	31	1.1	150	1900	0.59	1.1
OW-05S	OW-05S-Q421	N		GW	12/1/2021	48	< 0.10 UJ	130	0.34	430	1700	9.7	10

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Preliminary IM3 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	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)	Selenium, dissolved by Method SW 6020 (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)
CW-01D	CW-01D-Q421	N		GW	12/1/2021	2.7	19	< 0.50 U	24	8.3	13 J	7.6	1400
CW-01M	CW-01M-Q421	N		GW	12/1/2021	2.4	13	0.92	17	2.5	12 J	4.1	1500
CW-02D	CW-02D-Q421	N		GW	12/6/2021	2.1	5.2	0.89	14	2.8	14	4.1	1500
CW-02D	MW-926-Q421	FD	CW-02D-Q421	GW	12/6/2021	1.9	4.9	1	14	2.7	10	4.3	1600
CW-02M	CW-02M-Q421	N		GW	12/6/2021	3.2	9.8	0.75	14	2.8	15	3.4	1500
CW-03D	CW-03D-Q421	N		GW	12/6/2021	2.4	4.6	5.5	13	2.6	11	3.9	1500
CW-03M	CW-03M-Q421	N		GW	12/6/2021	4.2	11	2	37	2.6	13	2.5	1500
CW-04D	CW-04D-Q421	N		GW	12/1/2021	2.9	11	95	24	2.7	13 J	3.5	1500
CW-04M	CW-04M-Q421	N		GW	12/1/2021	2.3	14	< 0.50 U	10	2.7	13 J	3.2	1400
OW-01D	OW-01D-Q421	N		GW	12/15/2021	2.3	24	4.7	23	7	17	8.2	1400
OW-01M	OW-01M-Q421	N		GW	12/15/2021	2.1	24	4.8	24	7.8	15	8.2	1500
OW-01S	OW-01S-Q421	N		GW	12/15/2021	1.4	54	26	8.9	3	17	2.9	1000
OW-02D	OW-02D-Q421	N		GW	12/15/2021	3.1	31	1.7	24	7.4	21	8.4	1600
OW-02M	OW-02M-Q421	N		GW	12/15/2021	2.5	25	< 0.50 U	23	7.5	14	7.8	1600
OW-02S	OW-02S-Q421	N		GW	12/15/2021	2.7	16	0.83	21	3.2	11	2	640
OW-05D	OW-05D-Q421	N		GW	12/1/2021	2.8	31	< 0.50 U	29	7.8	17 J	9.3	1300
OW-05M	OW-05M-Q421	N		GW	12/1/2021	3	24	< 0.50 U	26	9	15 J	9.2	1400
OW-05S	OW-05S-Q421	N		GW	12/1/2021	1.7	69	< 0.50 U	7.6	2.8	17 J	2.4	660

Notes:

Analyses were performed by Asset Laboratory.
 < = analyte not detected at the reporting limit shown
 -- = data not analyzed or data not reportable

Acronyms and Abbreviations:

µg/L = micrograms per liter
 µS/cm = microsiemens per centimeter
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 mg/L = milligrams per liter
 N = Normal
 SW = solid waste

Preliminary PCM 2021-11 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Alkalinity, total as CaCO ₃ by Method SM 2320 B (mg/L)	Calcium, dissolved by Method EPA 200.7 (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method EPA 200.8 (µg/L)	Iron, dissolved by Method EPA 200.7 (µg/L)	Magnesium, dissolved by Method EPA 200.7 (mg/L)	Manganese, dissolved by Method EPA 200.8 (µg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	pH by Method SM 4500-H+ B (PHUNITS)
TW-03D	TW-03D-1121	N	GW	11/2/2021	150	230 J	2100	400	390	< 20 U	30	10	2.6	7.2

Notes:

Analyses were performed by Asset Laboratory.

< = analyte not detected at the reporting limit shown

-- = data not analyzed or data not reportable

Acronyms and Abbreviations:

µg/L = micrograms per liter

µS/cm = microsiemens per centimeter

EPA = Environmental Protection Agency

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

µg/L = micrograms per liter

Preliminary PCM 2021-11 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Sodium, dissolved by Method EPA 200.7 (mg/L)	Specific conductance by Method EPA 120.1 (uS/cm)	Sulfate by Method EPA 300.0 (mg/L)	Total dissolved solids by Method SM 2540 C (mg/L)
TW-03D	TW-03D-1121	N	GW	11/2/2021	1400 J	7200	480	4500

Notes:

Analyses were performed by Asset Laboratory.

< = analyte not detected at the reporting limit shown

-- = data not analyzed or data not reportable

Acronyms and Abbreviations:

µg/L = micrograms per liter

µS/cm = microsiemens per centimeter

EPA = Environmental Protection Agency

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

µg/L = micrograms per liter

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by Method A4500NH3G (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	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)	Nitrite as Nitrogen by Method EPA 300.0 (mg/L)
MW-20-070	MW-20-070-Q421	N		GW	12/15/2021	< 0.20 U	0.9	47	570	590	37 J	< 0.50 U	18	39	< 5.0 U
MW-20-100	MW-20-100-Q421	N		GW	12/15/2021	< 0.20 U	1.3	24	650	660	33 J	< 0.50 U	3.6	7.9	< 2.5 U
MW-20-130	MW-20-130-Q421	N		GW	12/15/2021	< 0.20 U	0.22	24	3300	3400	< 20 UJ	1.6	22	13	< 5.0 U
MW-21	MW-21-Q421	N		GW	12/16/2021	< 0.20 U	< 0.10 U	41	< 1.0 U	< 1.0 U	76 J	200	65	0.27	< 5.0 U
MW-22	MW-927-Q421	FD	MW-22-Q421	GW	11/30/2021		24 J	92	< 1.0 U	< 1.0 U	8000	2500	38	< 0.10 U	
MW-22	MW-22-Q421	N		GW	11/30/2021		22 J	87	< 1.0 U	< 1.0 U	8200	2500	36	< 0.10 U	
MW-26	MW-26-Q421	N		GW	12/15/2021	< 0.20 U	0.92	33	2200	2300	46 J	2.3	16	13	< 5.0 U
MW-27-020	MW-27-020-Q421	N		GW	12/1/2021		0.71	55	< 0.20 U	< 1.0 U	32	9.4	5.9	< 0.10 U	
MW-27-060	MW-27-060-Q421	N		GW	12/1/2021		12	70	< 0.20 U	< 1.0 U	390	270	4.7	< 0.10 U	
MW-27-085	MW-27-085-Q421	N		GW	12/1/2021		< 0.10 U	43	< 1.0 U	< 1.0 U	170	140	19	< 0.10 U	
MW-28-025	MW-28-025-Q421	N		GW	12/8/2021		0.4	68	< 0.20 U	< 1.0 U	< 20 U	6	4.6	< 0.10 U	
MW-28-090	MW-28-090-Q421	N		GW	12/8/2021		< 0.10 U	27	< 0.20 U	< 1.0 U	590	140	26	< 0.10 U	
MW-29	MW-29-Q421	N		GW	12/2/2021				< 0.20 U	< 1.0 U					
MW-30-030	MW-30-030-Q421	N		GW	12/3/2021		< 0.10 U	250	< 1.0 U	< 1.0 U	540 J	180	48	0.1	
MW-30-050	MW-30-050-Q421	N		GW	12/3/2021		2.7	21	< 0.20 U	2.6	38 J	260	4.9	< 0.10 U	
MW-31-060	MW-31-060-Q421	N		GW	12/16/2021	< 0.20 U	0.52	55	310	310	21 J	1.3	25	3.6	< 2.5 U
MW-31-060	MW-928-Q421	FD	MW-31-060-Q421	GW	12/16/2021	< 0.20 U	0.32	57	310	310	< 20 U	1.3	26	3.6	< 2.5 U
MW-31-135	MW-31-135-Q421	N		GW	12/16/2021	< 0.20 U	< 0.10 U	46	13	14	< 20 U	< 0.50 U	27	1.2	< 5.0 U
MW-32-020	MW-32-020-Q421	N		GW	11/30/2021		< 0.10 UJ	110	< 1.0 U	< 1.0 U	4500	200	100	< 0.10 U	
MW-32-035	MW-32-035-Q421	N		GW	11/30/2021		15 J	160	< 0.20 U	< 1.0 U	12000	590	9.6	< 0.10 U	
MW-33-040	MW-33-040-Q421	N		GW	11/30/2021				< 1.0 U	2.2			380	0.35	
MW-33-090	MW-33-090-Q421	N		GW	11/30/2021				3	5.6			8.1	1.1	
MW-33-090	MW-929-Q421	FD	MW-33-090-Q421	GW	11/30/2021				3	6.6			8.2	1	
MW-33-150	MW-33-150-Q421	N		GW	11/30/2021				2.8	31			39	1.5	
MW-33-210	MW-33-210-Q421	N		GW	11/30/2021				12	20					
MW-34-055	MW-34-055-Q421	N		GW	12/1/2021		4	30	< 0.20 U	< 1.0 U	96	87	4.5	< 0.10 U	
MW-34-080	MW-34-080-Q421	N		GW	12/1/2021		< 0.10 U	36	< 0.20 U	< 1.0 U	350	74	12	< 0.10 U	
MW-34-100	MW-34-100-Q421	N		GW	12/1/2021		< 0.10 U	23	< 1.0 U	< 1.0 U	73	92	59	< 0.10 U	
MW-34-100	MW-930-Q421	FD	MW-34-100-Q421	GW	12/1/2021		< 0.10 U	23	< 1.0 U	< 1.0 U	52	94	59	< 0.10 U	
MW-35-060	MW-35-060-Q421	N		GW	12/6/2021				20	20 J			8.8	2	
MW-35-135	MW-35-135-Q421	N		GW	12/6/2021				26	25 J			20	2.5	
MW-36-020	MW-36-020-Q421	N		GW	12/3/2021		0.48	120	< 0.20 U	< 1.0 U	1000 J	290	17	< 0.10 U	
MW-36-040	MW-931-Q421	FD	MW-36-040-Q421	GW	12/3/2021		5.2	40	< 0.20 U	< 1.0 U	310 J	110	3.3	< 0.10 U	
MW-36-040	MW-36-040-Q421	N		GW	12/3/2021		5	41	< 0.20 U	< 1.0 U	320 J	110	3.5	< 0.10 U	
MW-36-050	MW-36-050-Q421	N		GW	12/3/2021		5.2	25	< 0.20 U	< 1.0 U	150 J	220	4.1	< 0.10 U	
MW-36-070	MW-36-070-Q421	N		GW	12/3/2021		2.2	33	< 0.20 U	< 1.0 U	< 20 UJ	210	4.9	< 0.10 U	
MW-36-090	MW-36-090-Q421	N		GW	12/3/2021		1.6	36	< 0.20 U	< 1.0 U	35 J	72	14	< 0.10 U	
MW-36-100	MW-36-100-Q421	N		GW	12/3/2021		< 0.10 U	43	8	11	260 J	230	19	< 0.10 U	
MW-39-040	MW-39-040-Q421	N		GW	12/7/2021		16	74	< 0.20 U	< 1.0 U	320 J	120	7.7	< 0.10 U	
MW-39-050	MW-39-050-Q421	N		GW	12/7/2021		16	73	< 0.20 U	< 1.0 U	< 20 U	120	7.6	< 0.10 U	
MW-39-060	MW-39-060-Q421	N		GW	12/7/2021		16	74	< 0.20 U	< 1.0 U	110 J	120	7.7	< 0.10 U	
MW-39-070	MW-39-070-Q421	N		GW	12/7/2021		16	74	< 0.20 U	< 1.0 U	< 20 U	120	7.7	< 0.10 U	
MW-39-080	MW-39-080-Q421	N		GW	12/7/2021		16 J	74 J	< 0.20 U	< 1.0 U	< 20 U	120 J	7.7 J	< 0.10 U	
MW-39-080	MW-932-Q421	FD	MW-39-080-Q421	GW	12/7/2021		1.5 J	22 J	< 0.20 U	< 1.0 U	< 20 U	3.9 J	22 J	< 0.10 U	
MW-39-100	MW-39-100-Q421	N		GW	12/7/2021		< 0.10 U	27	39	39	29 J	5.8	7.4	< 0.10 U	
MW-42-030	MW-42-030-Q421	N		GW	11/30/2021		0.72 J	160	< 0.20 U	< 1.0 U	760	140	17	< 0.10 U	
MW-42-055	MW-42-055-Q421	N		GW	11/30/2021		13 J	150	< 0.20 U	< 1.0 U	240	210	3.9	< 0.10 U	
MW-42-065	MW-42-065-Q421	N		GW	11/30/2021		6.6 J	69	< 0.20 U	< 1.0 U	46	1600	7.7	< 0.10 U	

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by Method SW 6020 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 C (mg/L)
MW-20-070	MW-20-070-Q421	N		GW	12/15/2021	33 J	490	< 1.0 U
MW-20-100	MW-20-100-Q421	N		GW	12/15/2021	6 J	200	< 1.0 U
MW-20-130	MW-20-130-Q421	N		GW	12/15/2021	37 J	960	< 1.0 U
MW-21	MW-21-Q421	N		GW	12/16/2021	4.5	1600	< 1.0 U
MW-22	MW-927-Q421	FD	MW-22-Q421	GW	11/30/2021	< 0.50 U		1.4
MW-22	MW-22-Q421	N		GW	11/30/2021	< 0.50 U		1.3
MW-26	MW-26-Q421	N		GW	12/15/2021	13 J	430	< 1.0 U
MW-27-020	MW-27-020-Q421	N		GW	12/1/2021	< 0.50 U		1
MW-27-060	MW-27-060-Q421	N		GW	12/1/2021	< 0.50 U		1.3
MW-27-085	MW-27-085-Q421	N		GW	12/1/2021	< 0.50 U		< 1.0 U
MW-28-025	MW-28-025-Q421	N		GW	12/8/2021	1.3		< 1.0 U
MW-28-090	MW-28-090-Q421	N		GW	12/8/2021	< 0.50 U		< 1.0 U
MW-29	MW-29-Q421	N		GW	12/2/2021			
MW-30-030	MW-30-030-Q421	N		GW	12/3/2021	0.54		11
MW-30-050	MW-30-050-Q421	N		GW	12/3/2021	< 0.50 U		1
MW-31-060	MW-31-060-Q421	N		GW	12/16/2021	3.1	210	< 1.0 U
MW-31-060	MW-928-Q421	FD	MW-31-060-Q421	GW	12/16/2021	3.1	210	< 1.0 U
MW-31-135	MW-31-135-Q421	N		GW	12/16/2021	0.58	500	< 1.0 U
MW-32-020	MW-32-020-Q421	N		GW	11/30/2021	2.2		4.4
MW-32-035	MW-32-035-Q421	N		GW	11/30/2021	< 0.50 U		1.9
MW-33-040	MW-33-040-Q421	N		GW	11/30/2021	5.7		
MW-33-090	MW-33-090-Q421	N		GW	11/30/2021	< 0.50 U		
MW-33-090	MW-929-Q421	FD	MW-33-090-Q421	GW	11/30/2021	< 0.50 U		
MW-33-150	MW-33-150-Q421	N		GW	11/30/2021	0.63		
MW-33-210	MW-33-210-Q421	N		GW	11/30/2021			
MW-34-055	MW-34-055-Q421	N		GW	12/1/2021	< 0.50 U		< 1.0 U
MW-34-080	MW-34-080-Q421	N		GW	12/1/2021	< 0.50 U		< 1.0 U
MW-34-100	MW-34-100-Q421	N		GW	12/1/2021	< 0.50 U		< 1.0 U
MW-34-100	MW-930-Q421	FD	MW-34-100-Q421	GW	12/1/2021	< 0.50 U		< 1.0 U
MW-35-060	MW-35-060-Q421	N		GW	12/6/2021	0.92		
MW-35-135	MW-35-135-Q421	N		GW	12/6/2021	1		
MW-36-020	MW-36-020-Q421	N		GW	12/3/2021	< 0.50 U		1.6
MW-36-040	MW-931-Q421	FD	MW-36-040-Q421	GW	12/3/2021	< 0.50 U		2.3
MW-36-040	MW-36-040-Q421	N		GW	12/3/2021	< 0.50 U		2.3
MW-36-050	MW-36-050-Q421	N		GW	12/3/2021	< 0.50 U		1.3
MW-36-070	MW-36-070-Q421	N		GW	12/3/2021	< 0.50 U		< 1.0 U
MW-36-090	MW-36-090-Q421	N		GW	12/3/2021	< 0.50 U		< 1.0 U
MW-36-100	MW-36-100-Q421	N		GW	12/3/2021	< 0.50 U		< 1.0 U
MW-39-040	MW-39-040-Q421	N		GW	12/7/2021	< 0.50 U		2.2
MW-39-050	MW-39-050-Q421	N		GW	12/7/2021	< 0.50 U		1
MW-39-060	MW-39-060-Q421	N		GW	12/7/2021	< 0.50 U		< 1.0 U
MW-39-070	MW-39-070-Q421	N		GW	12/7/2021	< 0.50 U		< 1.0 U
MW-39-080	MW-39-080-Q421	N		GW	12/7/2021	< 0.50 U		< 1.0 U
MW-39-080	MW-932-Q421	FD	MW-39-080-Q421	GW	12/7/2021	< 0.50 U		< 1.0 U
MW-39-100	MW-39-100-Q421	N		GW	12/7/2021	< 0.50 U		< 1.0 U
MW-42-030	MW-42-030-Q421	N		GW	11/30/2021	< 0.50 U		1.8
MW-42-055	MW-42-055-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U
MW-42-065	MW-42-065-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by Method A4500NH3G (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	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)	Nitrite as Nitrogen by Method EPA 300.0 (mg/L)
MW-43-025	MW-43-025-Q421	N		GW	11/30/2021		31 J	75	< 0.20 U	< 1.0 U	4400	360	5.3	< 0.10 U	
MW-43-075	MW-43-075-Q421	N		GW	11/30/2021		8.7 J	42	< 0.20 U	< 1.0 U	3700	540	15	< 0.10 U	
MW-43-090	MW-43-090-Q421	N		GW	11/30/2021		< 0.10 UJ	55	< 1.0 U	< 1.0 U	1200	520	29	< 0.10 U	
MW-44-070	MW-44-070-Q421	N		GW	12/8/2021		2.4	31	< 0.20 U	< 1.0 U	140	120	7.6	< 0.10 U	
MW-44-115	MW-44-115-Q421	N		GW	12/8/2021		0.86	19	1.8	2.2	< 20 U	10	77	< 0.10 U	
MW-44-125	MW-44-125-Q421	N		GW	12/8/2021		< 0.10 U	55	< 1.0 U	1.9	300	390	230	< 0.10 U	
MW-45-095a	MW-45-095A-Q421	N		GW	12/1/2021		< 0.10 U	37	< 0.20 U	< 1.0 U	< 20 U	260	14	< 0.10 U	
MW-46-175	MW-46-175-Q421	N		GW	12/8/2021		< 0.10 U	31	2.1	36	200	21	200	0.9	
MW-46-205	MW-46-205-Q421	N		GW	12/8/2021		< 0.10 U	33	< 1.0 U	< 1.0 U	68	46	340	0.93	
MW-46-205	MW-933-Q421	FD	MW-46-205-Q421	GW	12/8/2021		< 0.10 U	33	< 1.0 U	< 1.0 U	< 100 U	42	340	0.96	
MW-47-055	MW-47-055-Q421	N		GW	12/6/2021				17	18 J					
MW-47-115	MW-47-115-Q421	N		GW	12/6/2021				17	17 J					
MW-49-135	MW-49-135-Q421	N		GW	12/2/2021				6.1	7.3					
MW-49-275	MW-49-275-Q421	N		GW	12/2/2021				< 1.0 U	2.2					
MW-49-365	MW-49-365-Q421	N		GW	12/2/2021				< 1.0 U	2.6					
MW-51	MW-51-Q421	N		GW	12/15/2021	< 0.20 U	< 0.10 U	43	2900	3100	25 J	1.1	42	13	< 5.0 U
MW-51	MW-934-Q421	FD	MW-51-Q421	GW	12/15/2021	< 0.20 U	< 0.10 U	43	2900	3000	24 J	1	42	12	< 5.0 U
MW-52D	MW-52D-Q421	N		GW	11/30/2021		2 J	37	< 1.0 U	< 1.0 U	950	280	61	< 0.10 U	
MW-52M	MW-52M-Q421	N		GW	11/30/2021		< 0.10 UJ	54	< 1.0 U	< 1.0 U	1400	210	30	< 0.10 U	
MW-52S	MW-52S-Q421	N		GW	11/30/2021		< 0.10 UJ	1400	< 0.20 U	< 1.0 U	20000	1400	5.3	< 0.10 U	
MW-52S	MW-935-Q421	FD	MW-52S-Q421	GW	11/30/2021		< 0.10 UJ	1300	< 0.20 U	< 1.0 U	20000	1300	4.9	< 0.10 U	
MW-53D	MW-53D-Q421	N		GW	11/30/2021		3.6 J	44	< 1.0 U	< 1.0 U	220	1300	180	< 0.10 U	
MW-53M	MW-53M-Q421	N		GW	11/30/2021		< 0.10 UJ	58	< 1.0 U	< 1.0 U	380	420	54	< 0.10 U	
MW-53S	MW-53S-Q421	N		GW	11/30/2021		< 0.10 UJ	200	< 0.20 U	< 1.0 U	5400	1200	1.6	< 0.10 U	
MW-71-035	MW-71-035-Q421	N		GW	12/16/2021	< 0.20 U	< 0.10 U	42	< 1.0 U	< 1.0 U	31 J	71	15	< 0.10 U	< 5.0 U
MW-75-033	MW-75-033-Q421	N		GW	11/29/2021				42	39					
MW-75-117	MW-75-117-Q421	N		GW	11/29/2021				10	10					
MW-75-202	MW-75-202-Q421	N		GW	11/29/2021				< 1.0 U	< 1.0 U					
MW-75-202	MW-936-Q421	FD	MW-75-202-Q421	GW	11/29/2021				< 1.0 U	< 1.0 U					
MW-75-267	MW-75-267-Q421	N		GW	11/29/2021				< 1.0 U	< 1.0 U					
MW-75-337	MW-75-337-Q421	N		GW	11/29/2021				< 1.0 U	< 1.0 U					
MW-76-039	MW-76-039-Q421	N		GW	12/2/2021	< 0.20 U		39	130	140	< 20 UJ	10	27	2.8	< 2.5 U
MW-76-156	MW-76-156-Q421	N		GW	12/2/2021	< 0.20 U		47	4	4.5	58 J	92	31	2	< 5.0 U
MW-76-181	MW-76-181-Q421	N		GW	12/2/2021	< 0.20 U	1.5 J	67	1500	1500	52 J	89	27	2.3	< 5.0 U
MW-76-218	MW-76-218-Q421	N		GW	12/2/2021	< 0.20 U	3.9 J	66	270	280	< 20 UJ	280	68	0.85	< 10 U
MW-77-046	MW-77-046-Q421	N		GW	12/2/2021			95	< 1.0 U	< 1.0 U	940 J	420	95	< 0.10 U	
MW-77-102	MW-77-102-Q421	N		GW	12/2/2021			40	0.67	< 1.0 U	39 J	20	4.4	0.59	
MW-77-158	MW-77-158-Q421	N		GW	12/2/2021			43	7.1	7.7	48 J	60	32	1.5	
MW-77-158	MW-937-Q421	FD	MW-77-158-Q421	GW	12/2/2021			44	6.9	7.9	< 20 UJ	62	33	1.5	
MW-77-187	MW-77-187-Q421	N		GW	12/2/2021			40	2.5	3.1	50 J	50	250	1.2	
MW-78-070	MW-78-070-Q421	N		GW	12/15/2021	< 0.20 U	0.85	40	4400	4500	< 20 UJ	0.63	13	12	< 2.5 U
MW-78-142	MW-78-142-Q421	N		GW	12/15/2021	< 0.20 U	< 0.10 U	31	5500	5400	31 J	4.2	21	9.9	< 5.0 U
MW-79-058	MW-79-058-Q421	N		GW	12/15/2021	< 0.20 U	0.3	93	3200	3400	< 20 UJ	0.56	10	11	< 5.0 U
MW-79-102	MW-79-102-Q421	N		GW	12/15/2021	< 0.20 U	1.5	37	2800	2800	< 20 UJ	5.2	29	16	< 5.0 U
MW-80-057	MW-80-057-Q421	N		GW	12/15/2021	< 0.20 U	1.3	51	710	710	< 20 UJ	4.7	36	17	< 5.0 U
MW-80-082	MW-80-082-Q421	N		GW	12/15/2021	< 0.20 U	1.5	33	1200	1200	< 20 UJ	0.87	26	13	< 5.0 U
MW-81-043	MW-81-043-Q421	N		GW	12/13/2021		0.75	110	8.7	9.2	< 20 UJ	160	24	0.48	
MW-81-098	MW-81-098-Q421	N		GW	12/13/2021		< 0.10 U	70	1.2	1.7	41 J	140	3.4	0.58	

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by Method SW 6020 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 C (mg/L)
MW-43-025	MW-43-025-Q421	N		GW	11/30/2021	< 0.50 U		1.2
MW-43-075	MW-43-075-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U
MW-43-090	MW-43-090-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U
MW-44-070	MW-44-070-Q421	N		GW	12/8/2021	< 0.50 U		< 1.0 U
MW-44-115	MW-44-115-Q421	N		GW	12/8/2021	< 0.50 U		< 1.0 U
MW-44-125	MW-44-125-Q421	N		GW	12/8/2021	< 0.50 U		< 1.0 U
MW-45-095a	MW-45-095A-Q421	N		GW	12/1/2021	< 0.50 U		< 1.0 U
MW-46-175	MW-46-175-Q421	N		GW	12/8/2021	0.56		< 1.0 U
MW-46-205	MW-46-205-Q421	N		GW	12/8/2021	0.82		< 1.0 U
MW-46-205	MW-933-Q421	FD	MW-46-205-Q421	GW	12/8/2021	0.86		< 1.0 U
MW-47-055	MW-47-055-Q421	N		GW	12/6/2021			
MW-47-115	MW-47-115-Q421	N		GW	12/6/2021			
MW-49-135	MW-49-135-Q421	N		GW	12/2/2021			
MW-49-275	MW-49-275-Q421	N		GW	12/2/2021			
MW-49-365	MW-49-365-Q421	N		GW	12/2/2021			
MW-51	MW-51-Q421	N		GW	12/15/2021	34 J	720	< 1.0 U
MW-51	MW-934-Q421	FD	MW-51-Q421	GW	12/15/2021	33 J	720	< 1.0 U
MW-52D	MW-52D-Q421	N		GW	11/30/2021	< 0.50 U		< 50 U
MW-52M	MW-52M-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U
MW-52S	MW-52S-Q421	N		GW	11/30/2021	< 0.50 U		1.3
MW-52S	MW-935-Q421	FD	MW-52S-Q421	GW	11/30/2021	< 0.50 U		1.4
MW-53D	MW-53D-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U
MW-53M	MW-53M-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U
MW-53S	MW-53S-Q421	N		GW	11/30/2021	< 0.50 U		< 1.0 U
MW-71-035	MW-71-035-Q421	N		GW	12/16/2021	< 0.50 U	1200	< 1.0 U
MW-75-033	MW-75-033-Q421	N		GW	11/29/2021			
MW-75-117	MW-75-117-Q421	N		GW	11/29/2021			
MW-75-202	MW-75-202-Q421	N		GW	11/29/2021			
MW-75-202	MW-936-Q421	FD	MW-75-202-Q421	GW	11/29/2021			
MW-75-267	MW-75-267-Q421	N		GW	11/29/2021			
MW-75-337	MW-75-337-Q421	N		GW	11/29/2021			
MW-76-039	MW-76-039-Q421	N		GW	12/2/2021	2.8	190	< 1.0 U
MW-76-156	MW-76-156-Q421	N		GW	12/2/2021	1.1	780	< 1.0 U
MW-76-181	MW-76-181-Q421	N		GW	12/2/2021	1.7	870	< 1.0 U
MW-76-218	MW-76-218-Q421	N		GW	12/2/2021	1	880	< 50 U
MW-77-046	MW-77-046-Q421	N		GW	12/2/2021	3		1.5
MW-77-102	MW-77-102-Q421	N		GW	12/2/2021	< 0.50 U		< 1.0 U
MW-77-158	MW-77-158-Q421	N		GW	12/2/2021	0.53		< 1.0 U
MW-77-158	MW-937-Q421	FD	MW-77-158-Q421	GW	12/2/2021	0.78		< 1.0 U
MW-77-187	MW-77-187-Q421	N		GW	12/2/2021	0.81		< 1.0 U
MW-78-070	MW-78-070-Q421	N		GW	12/15/2021	9.2 J	370	< 1.0 U
MW-78-142	MW-78-142-Q421	N		GW	12/15/2021	33 J	900	< 1.0 U
MW-79-058	MW-79-058-Q421	N		GW	12/15/2021	9.4 J	410	< 5.0 U
MW-79-102	MW-79-102-Q421	N		GW	12/15/2021	57 J	870	< 1.0 U
MW-80-057	MW-80-057-Q421	N		GW	12/15/2021	31 J	520	< 1.0 U
MW-80-082	MW-80-082-Q421	N		GW	12/15/2021	24 J	570	< 1.0 U
MW-81-043	MW-81-043-Q421	N		GW	12/13/2021	2.6		< 1.0 U
MW-81-098	MW-81-098-Q421	N		GW	12/13/2021	< 0.50 U		< 1.0 U

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Ammonia as nitrogen by Method A4500NH3G (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	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)	Nitrite as Nitrogen by Method EPA 300.0 (mg/L)
MW-82-046	MW-82-046-Q421	N		GW	12/16/2021		15	61	< 0.20 U	< 1.0 U	2900 J	170	11	< 0.10 U	
MW-82-046	MW-938-Q421	FD	MW-82-046-Q421	GW	12/16/2021		15	59	< 0.20 U	< 1.0 U	3200 J	170	11	< 0.10 U	
MW-82-112	MW-82-112-Q421	N		GW	12/16/2021		< 0.10 U	35	0.88	2	< 20 U	27	8.7	0.72	
MW-82-168	MW-82-168-Q421	N		GW	12/16/2021		< 0.10 U	48	7	7.5	31 J	140	15	1.6	
MW-82-198	MW-82-198-Q421	N		GW	12/16/2021		< 0.10 U	34	< 1.0 U	2.9	120 J	57	140	1.2	
MW-86-030	MW-86-030-Q421	N		GW	12/14/2021		2.6	95	< 0.20 U	< 1.0 U	33 J	420	8	< 0.10 U	
MW-86-066	MW-86-066-Q421	N		GW	12/14/2021		< 0.10 U	91	< 0.20 U	< 1.0 U	< 20 UJ	760	16	0.53	
MW-86-120	MW-86-120-Q421	N		GW	12/14/2021		< 0.10 U	42	< 1.0 U	< 1.0 U	< 20 UJ	370	33	0.41	
MW-86-140	MW-86-140-Q421	N		GW	12/14/2021		< 0.10 U	55	< 1.0 U	< 1.0 U	< 20 UJ	730	34	0.78	
MW-90-031	MW-90-031-Q421	N		GW	12/8/2021		< 0.10 U	97	< 1.0 U	< 1.0 U	7000	250	18	< 0.10 U	
MW-96-045	MW-96-045-Q421	N		GW	12/15/2021				< 1.0 U	1.5					
MW-96-045	MW-939-Q421	FD	MW-96-045-Q421	GW	12/15/2021				< 1.0 U	< 1.0 U					
MW-96-217	MW-96-217-Q421	N		GW	12/15/2021				< 1.0 U	< 1.0 U					
MW-97-042	MW-97-042-Q421	N		GW	12/13/2021				4.4	6					
MW-97-202	MW-97-202-Q421	N		GW	12/13/2021				< 1.0 U	< 1.0 U					
PT5D	PT5D-Q421	N		GW	12/16/2021		1.5	20	31	29	< 20 U	31	100	< 0.10 U	
PT5M	PT5M-Q421	N		GW	12/16/2021		1.7	23	< 0.20 U	< 1.0 U	< 20 U	940	11	< 0.10 U	
PT5S	PT5S-Q421	N		GW	12/16/2021		13	84	< 0.20 U	< 1.0 U	650 J	210	6.1	< 0.10 U	
TW-03D	TW-03D-Q421	N		GW	12/16/2021	< 0.23 U	< 0.10 U	36	400	390	< 20 U	13	22	2.4	< 5.0 U
TW-04	TW-04-Q421	N		GW	12/6/2021				9.1	9.3 J					

Notes:

Analyses were performed by Asset Laboratory.

< = analyte not detected at the reporting limit shown

-- = data not analyzed or data not reportable

Acronyms and Abbreviations:

µg/L = micrograms per liter

µS/cm = microsiemens per centimeter

EPA = Environmental Protection Agency

FD = field duplicate

GW = groundwater

mg/L = milligrams per liter

N = Normal

SW = solid waste

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by Method SW 6020 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 C (mg/L)
MW-82-046	MW-82-046-Q421	N		GW	12/16/2021	2		1.8
MW-82-046	MW-938-Q421	FD	MW-82-046-Q421	GW	12/16/2021	1.8		1.8
MW-82-112	MW-82-112-Q421	N		GW	12/16/2021	< 0.50 U		< 1.0 U
MW-82-168	MW-82-168-Q421	N		GW	12/16/2021	< 0.50 U		< 1.0 U
MW-82-198	MW-82-198-Q421	N		GW	12/16/2021	< 0.50 U		< 1.0 U
MW-86-030	MW-86-030-Q421	N		GW	12/14/2021	< 0.50 U		1.5
MW-86-066	MW-86-066-Q421	N		GW	12/14/2021	< 0.50 U		< 1.0 U
MW-86-120	MW-86-120-Q421	N		GW	12/14/2021	< 0.50 U		< 1.0 U
MW-86-140	MW-86-140-Q421	N		GW	12/14/2021	< 0.50 U		< 1.0 U
MW-90-031	MW-90-031-Q421	N		GW	12/8/2021	< 0.50 U		1.8
MW-96-045	MW-96-045-Q421	N		GW	12/15/2021			
MW-96-045	MW-939-Q421	FD	MW-96-045-Q421	GW	12/15/2021			
MW-96-217	MW-96-217-Q421	N		GW	12/15/2021			
MW-97-042	MW-97-042-Q421	N		GW	12/13/2021			
MW-97-202	MW-97-202-Q421	N		GW	12/13/2021			
PT5D	PT5D-Q421	N		GW	12/16/2021	< 0.50 U		< 1.0 U
PT5M	PT5M-Q421	N		GW	12/16/2021	< 0.50 U		< 1.0 U
PT5S	PT5S-Q421	N		GW	12/16/2021	< 0.50 U		3
TW-03D	TW-03D-Q421	N		GW	12/16/2021	3.4	500	< 1.0 U
TW-04	TW-04-Q421	N		GW	12/6/2021			

Notes:

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Acronyms and Abbreviations:

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µS/cm = microsiemens per centimeter

EPA = Environmental Protection Agency

FD = field duplicate

GW = groundwater

mg/L = milligrams per liter

N = Normal

SW = solid waste

Preliminary RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020, Asset Lab (ug/L)	Chromium, Hexavalent by Method EPA 218.6, Asset Lab (ug/L)	Chromium, total dissolved by Method SW 6020, Asset Lab (ug/L)	Manganese, dissolved by Method SW 6020, Asset Lab (ug/L)	Molybdenum, dissolved by Method SW 6020, Asset Lab (ug/L)	Selenium, dissolved by Method SW 6020, Asset Lab (ug/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2, BC Lab (ug/L)	Arsenic, dissolved by Method SW 6020A, EXMT Lab (ug/L)
EB	EB-743-Q421	N		WATER	12/14/2021								
MW-09	MW-09-Q421	N		GW	12/8/2021	0.38	170	170	1.6	6.2	6.2	14	
MW-09	MW-915-Q421	FD	MW-09-Q421	GW	12/8/2021	0.52	170	180	2	6.7	6.4	14	
MW-10	MW-10-Q421	N		GW	12/8/2021	0.93	69	71	1.3	15	6.1	11	
MW-10	MW-916-Q421	FD	MW-10-Q421	GW	12/8/2021	0.92	67	72	1.1	15	6.2	11	
MW-10D	MW-10D-Q421	N		GW	12/8/2021	< 0.10 U	88	89	< 0.50 U	1.8	5.3	9.5	
MW-11	MW-11-Q421	N		GW	12/9/2021	0.48	170	180	0.77				
MW-11D	MW-11D-Q421	N		GW	12/9/2021	< 0.10 U	150	150	< 0.50 U				
MW-12	MW-12-Q421	N		GW	12/13/2021	35	2000	2000	0.64	9.7	19	17	
MW-13	MW-13-Q421	N		GW	12/7/2021	0.8	19	20	5.1	12	3	5.4	
MW-13	MW-917-Q421	FD	MW-13-Q421	GW	12/7/2021	0.81	18	20	4.7	11	2.8	5.5	
MW-14	MW-14-Q421	N		GW	12/7/2021	< 0.10 U	12	12	2.6	13	2.1	3.7	
MW-15	MW-15-Q421	N		GW	12/2/2021	1.2	13	13	< 0.50 U				
MW-19	MW-19-Q421	N		GW	12/13/2021	0.3	43	48	2.8				
MW-23-060	MW-23-060-Q421	N		GW	12/9/2021	< 0.10 U	36	35	1.6	24	5.3	5.7	
MW-23-060	MW-918-Q421	FD	MW-23-060-Q421	GW	12/9/2021	< 0.10 U	36	34	1.5	23	5	5.8	
MW-23-080	MW-23-080-Q421	N		GW	12/9/2021	< 0.10 U	< 1.0 U	< 1.0 U	0.94	46	4.5	4.7	
MW-24A	MW-24A-Q421	N		GW	12/9/2021	< 0.10 U	< 0.20 U	1.9	430	110	< 0.50 U	< 0.10 U	
MW-24B	MW-24B-Q421	N		GW	12/9/2021	< 0.10 U	< 1.0 U	1.3	87	63	< 0.50 U	< 0.10 U	
MW-24B	MW-919-Q421	FD	MW-24B-Q421	GW	12/9/2021	< 0.10 U	< 1.0 U	1.1	87	64	< 0.50 U	< 0.10 U	
MW-24BR	MW-24BR-Q421	N		GW	12/10/2021	< 0.10 U	< 1.0 U	< 1.0 U	79				
MW-25	MW-25-Q421	N		GW	12/7/2021	0.75	70	80	3.6	14	6.2	10	
MW-37D	MW-37D-Q421	N		GW	12/7/2021	< 0.10 U	6	7.4	< 0.50 U	68	1	1.4	
MW-37S	MW-37S-Q421	N		GW	12/7/2021	< 0.10 U	7.8	8	5.7	16	0.8	1.2	
MW-38D	MW-38D-Q421	N		GW	12/8/2021	< 0.10 U	50	47	5.3	58	0.83	1.5	
MW-38S	MW-38S-Q421	N		GW	12/8/2021	7.2	15	17	3.4	8.2	3.9	7	
MW-40D	MW-40D-Q421	N		GW	12/6/2021	< 0.10 U	45	41	< 0.50 U	35	1.1	1.3	
MW-40S	MW-40S-Q421	N		GW	12/6/2021	4.3	43	45	< 0.50 U	32	11	25	
MW-40S	MW-920-Q421	FD	MW-40S-Q421	GW	12/6/2021	4.6	42	44	< 0.50 U	31	11	25	
MW-41D	MW-41D-Q421	N		GW	12/7/2021	< 0.10 U	< 1.0 U	2.8	32	79	0.65	< 0.10 U	
MW-41M	MW-41M-Q421	N		GW	12/7/2021	< 0.10 U	6.9	9	2.4	27	< 0.50 U	0.58	
MW-41S	MW-41S-Q421	N		GW	12/7/2021	< 0.10 U	3.6	6.3	3.8	14	2.2	2.5	
MW-41S	MW-921-Q421	FD	MW-41S-Q421	GW	12/7/2021	< 0.10 U	3.7	5.1	3.3	14	1.9	2.5	
MW-48	MW-48-Q421	N		GW	12/15/2021	< 0.10 U	< 1.0 U	1.8	34	9.9	< 0.50 U	< 0.10 U	
MW-50-095	MW-50-095-Q421	N		GW	12/13/2021	< 0.10 U	14	15	< 0.50 U				
MW-50-200	MW-50-200-Q421	N		GW	12/13/2021	3.4	1900	1900	< 0.50 U	38	1.5	1.9	
MW-54-085	MW-54-085-Q421	N		GW	12/14/2021								< 10 U
MW-54-140	MW-54-140-Q421	N		GW	12/14/2021								< 10 U
MW-54-195	MW-54-195-Q421	N		GW	12/14/2021								< 10 U
MW-55-045	MW-55-045-Q421	N		GW	12/14/2021								6.35
MW-55-120	MW-55-120-Q421	N		GW	12/14/2021								< 10 U
MW-55-120	MW-922-Q421	FD	MW-55-120-Q421	GW	12/14/2021								< 10 U
MW-56D	MW-56D-Q421	N		GW	12/14/2021								< 10.0 U
MW-56M	MW-56M-Q421	N		GW	12/14/2021								< 10.0 U
MW-56S	MW-56S-Q421	N		GW	12/14/2021								< 10.0 U
MW-57-070	MW-57-070-Q421	N		GW	12/10/2021	1.2	380	410	1.1	4	3.7	11	
MW-57-185	MW-57-185-Q421	N		GW	12/10/2021	< 0.10 U	< 1.0 U	< 1.0 U	3.2	78	< 0.50 U	< 0.10 U	
MW-58BR	MW-58BR-Q421	N		GW	12/9/2021	< 0.10 U	6.4	7.3	350	25	1.9	0.74	
MW-59-100	MW-59-100-Q421	N		GW	12/15/2021	< 0.10 U	2000	2000	9.7	8	2.1	2.3	

Preliminary RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6, EXMT Lab (ug/L)	Chromium, total dissolved by Method SW 6020A, EXMT Lab (ug/L)	Manganese, dissolved by Method SW 6020A, EXMT Lab (ug/L)	Molybdenum, dissolved by Method SW 6020A, EXMT Lab (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0, EXMT Lab (ug/L)	Selenium, dissolved by Method SW 6020A, EXMT Lab (ug/L)
EB	EB-743-Q421	N		WATER	12/14/2021	< 0.20 U					
MW-09	MW-09-Q421	N		GW	12/8/2021						
MW-09	MW-915-Q421	FD	MW-09-Q421	GW	12/8/2021						
MW-10	MW-10-Q421	N		GW	12/8/2021						
MW-10	MW-916-Q421	FD	MW-10-Q421	GW	12/8/2021						
MW-10D	MW-10D-Q421	N		GW	12/8/2021						
MW-11	MW-11-Q421	N		GW	12/9/2021						
MW-11D	MW-11D-Q421	N		GW	12/9/2021						
MW-12	MW-12-Q421	N		GW	12/13/2021						
MW-13	MW-13-Q421	N		GW	12/7/2021						
MW-13	MW-917-Q421	FD	MW-13-Q421	GW	12/7/2021						
MW-14	MW-14-Q421	N		GW	12/7/2021						
MW-15	MW-15-Q421	N		GW	12/2/2021						
MW-19	MW-19-Q421	N		GW	12/13/2021						
MW-23-060	MW-23-060-Q421	N		GW	12/9/2021						
MW-23-060	MW-918-Q421	FD	MW-23-060-Q421	GW	12/9/2021						
MW-23-080	MW-23-080-Q421	N		GW	12/9/2021						
MW-24A	MW-24A-Q421	N		GW	12/9/2021						
MW-24B	MW-24B-Q421	N		GW	12/9/2021						
MW-24B	MW-919-Q421	FD	MW-24B-Q421	GW	12/9/2021						
MW-24BR	MW-24BR-Q421	N		GW	12/10/2021						
MW-25	MW-25-Q421	N		GW	12/7/2021						
MW-37D	MW-37D-Q421	N		GW	12/7/2021						
MW-37S	MW-37S-Q421	N		GW	12/7/2021						
MW-38D	MW-38D-Q421	N		GW	12/8/2021						
MW-38S	MW-38S-Q421	N		GW	12/8/2021						
MW-40D	MW-40D-Q421	N		GW	12/6/2021						
MW-40S	MW-40S-Q421	N		GW	12/6/2021						
MW-40S	MW-920-Q421	FD	MW-40S-Q421	GW	12/6/2021						
MW-41D	MW-41D-Q421	N		GW	12/7/2021						
MW-41M	MW-41M-Q421	N		GW	12/7/2021						
MW-41S	MW-41S-Q421	N		GW	12/7/2021						
MW-41S	MW-921-Q421	FD	MW-41S-Q421	GW	12/7/2021						
MW-48	MW-48-Q421	N		GW	12/15/2021						
MW-50-095	MW-50-095-Q421	N		GW	12/13/2021						
MW-50-200	MW-50-200-Q421	N		GW	12/13/2021						
MW-54-085	MW-54-085-Q421	N		GW	12/14/2021	< 1.0 U	< 10 U	689	< 100 U	< 0.50 U	< 100 U
MW-54-140	MW-54-140-Q421	N		GW	12/14/2021	< 1.0 U	< 10 U	< 100 U	< 100 U	0.605	< 100 U
MW-54-195	MW-54-195-Q421	N		GW	12/14/2021	< 1.0 U	< 10 U	285	111	< 1.0 U	< 100 U
MW-55-045	MW-55-045-Q421	N		GW	12/14/2021	< 0.20 U	< 1.0 U	625			
MW-55-120	MW-55-120-Q421	N		GW	12/14/2021	7.96	< 10 U	< 100 U			
MW-55-120	MW-922-Q421	FD	MW-55-120-Q421	GW	12/14/2021	7.95	< 10 U	< 100 U			
MW-56D	MW-56D-Q421	N		GW	12/14/2021	< 1.0 U	< 10.0 U	804	< 100 U	< 1.0 U	< 100 U
MW-56M	MW-56M-Q421	N		GW	12/14/2021	< 1.0 U	< 10.0 U	784	< 100 U	< 0.50 U	< 100 U
MW-56S	MW-56S-Q421	N		GW	12/14/2021	< 0.20 U	< 10.0 U	1250	< 100 U	< 0.20 U	< 100 U
MW-57-070	MW-57-070-Q421	N		GW	12/10/2021						
MW-57-185	MW-57-185-Q421	N		GW	12/10/2021						
MW-58BR	MW-58BR-Q421	N		GW	12/9/2021						
MW-59-100	MW-59-100-Q421	N		GW	12/15/2021						

Preliminary RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6, EXMT Lab (ug/L)	Chromium, total dissolved by Method SW 6020A, EXMT Lab (ug/L)	Manganese, dissolved by Method SW 6020A, EXMT Lab (ug/L)	Molybdenum, dissolved by Method SW 6020A, EXMT Lab (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0, EXMT Lab (ug/L)	Selenium, dissolved by Method SW 6020A, EXMT Lab (ug/L)
MW-60-125	MW-60-125-Q421	N		GW	12/16/2021						
MW-60BR-245	MW-60BR-245-Q421	N		GW	12/16/2021						
MW-61-110	MW-61-110-Q421	N		GW	12/10/2021						
MW-62-065	MW-62-065-Q421	N		GW	12/15/2021						
MW-62-110	MW-62-110-Q421	N		GW	12/1/2021						
MW-62-190	MW-62-190-Q421	N		GW	12/1/2021						
MW-63-065	MW-63-065-Q421	N		GW	12/16/2021						
MW-64BR	MW-64BR-Q421	N		GW	12/16/2021						
MW-65-160	MW-65-160-Q421	N		GW	12/8/2021						
MW-65-225	MW-65-225-Q421	N		GW	12/8/2021						
MW-65-225	MW-924-Q421	FD	MW-65-225-Q421	GW	12/8/2021						
MW-66-165	MW-66-165-Q421	N		GW	12/7/2021						
MW-66-230	MW-66-230-Q421	N		GW	12/7/2021						
MW-66BR-270	MW-66BR-270-Q421	N		GW	12/16/2021						
MW-67-185	MW-67-185-Q421	N		GW	12/7/2021						
MW-67-225	MW-67-225-Q421	N		GW	12/7/2021						
MW-67-260	MW-67-260-Q421	N		GW	12/7/2021						
MW-68-180	MW-68-180-Q421	N		GW	12/7/2021						
MW-68-240	MW-68-240-Q421	N		GW	12/7/2021						
MW-68-240	MW-925-Q421	FD	MW-68-240-Q421	GW	12/7/2021						
MW-68BR-280	MW-68BR-280-Q421	N		GW	12/2/2021						
MW-69-195	MW-69-195-Q421	N		GW	12/8/2021						
MW-70-105	MW-70-105-Q421	N		GW	12/9/2021						
MW-70BR-225	MW-70BR-225-Q421	N		GW	12/9/2021						
MW-70BR-287	MW-70BR-287-Q421	N		GW	12/9/2021						
MW-72-080	MW-72-080-Q421	N		GW	12/9/2021						
MW-72BR-200	MW-72BR-200-Q421	N		GW	12/9/2021						
MW-73-080	MW-73-080-Q421	N		GW	12/9/2021						
MW-74-240	MW-74-240-Q421	N		GW	12/8/2021						
MW-83-090	MW-83-090-Q421	N		GW	12/16/2021						
MW-83-180	MW-83-180-Q421	N		GW	12/16/2021						
MW-83-225	MW-83-225-Q421	N		GW	12/16/2021						
MW-83-245	MW-83-245-Q421	N		GW	12/16/2021						
MW-84-057	MW-84-057-Q421	N		GW	11/29/2021						
MW-84-095	MW-84-095-Q421	N		GW	11/29/2021						
MW-84-132	MW-84-132-Q421	N		GW	11/29/2021						
MW-84-193	MW-84-193-Q421	N		GW	11/29/2021						
MW-85-129	MW-85-129-Q421	N		GW	11/30/2021						
MW-85-217	MW-85-217-Q421	N		GW	11/30/2021						
MW-85-237	MW-85-237-Q421	N		GW	11/30/2021						
MW-87-109	MW-87-109-Q421	N		GW	11/30/2021						
MW-87-139	MW-87-139-Q421	N		GW	11/30/2021						
MW-87-192	MW-87-192-Q421	N		GW	11/30/2021						
MW-87-275	MW-87-275-Q421	N		GW	11/30/2021						
MW-88-107	MW-88-107-Q421	N		GW	12/8/2021						
MW-89-183	MW-89-183-Q421	N		GW	12/6/2021						
MW-89-273	MW-89-273-Q421	N		GW	12/6/2021						
MW-91-045	MW-91-045-Q421	N		GW	12/14/2021	< 0.20 U	< 1.0 U	144	< 10 U	0.303	< 10 U
MW-91-120	MW-91-120-Q421	N		GW	12/14/2021	7.67	< 10 U	162	< 100 U	1.3	< 100 U

Preliminary RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020, Asset Lab (ug/L)	Chromium, Hexavalent by Method EPA 218.6, Asset Lab (ug/L)	Chromium, total dissolved by Method SW 6020, Asset Lab (ug/L)	Manganese, dissolved by Method SW 6020, Asset Lab (ug/L)	Molybdenum, dissolved by Method SW 6020, Asset Lab (ug/L)	Selenium, dissolved by Method SW 6020, Asset Lab (ug/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2, BC Lab (ug/L)	Arsenic, dissolved by Method SW 6020A, EXMT Lab (ug/L)
MW-91-170	MW-91-170-Q421	N		GW	12/14/2021								< 10 U
MW-91-320	MW-91-320-Q421	N		GW	12/14/2021								< 10 U
MW-92-037	MW-92-037-Q421	N		GW	12/14/2021								22.2
MW-92-072	MW-92-072-Q421	N		GW	12/14/2021								17.1
MW-92-102	MW-92-102-Q421	N		GW	12/14/2021								18.7
MW-92-122	MW-92-122-Q421	N		GW	12/14/2021								10.4
MW-93-050	MW-93-050-Q421	N		GW	12/13/2021	< 0.10 U	17	19	5.3				
MW-93-213	MW-93-213-Q421	N		GW	12/13/2021	< 0.10 U	4.7	6.8	140				
MW-95-113	MW-95-113-Q421	N		GW	12/8/2021	1.4	0.95	2.5	130	4.3	5.3	6.1	
MW-95-157	MW-95-157-Q421	N		GW	12/8/2021	< 0.10 U	8.6	11	5.7	3.8	6.5	9.5	
MW-98-055	MW-98-055-Q421	N		GW	12/16/2021	2.8	240	230	1.3				
MW-98-077	MW-98-077-Q421	N		GW	12/16/2021	3	340	320	2.8				
PGE-08	PGE-08-Q421	N		GW	12/8/2021	< 0.10 U	< 1.0 U	< 1.0 U	470				
PT8D	PT8D-Q421	N		GW	12/10/2021	< 0.10 U	200	200	270				
PT9D	PT9D-Q421	N		GW	12/10/2021	< 0.10 U	7000	6100	3.5	90	4.6	6.4	
PT9M	PT9M-Q421	N		GW	12/10/2021	< 0.10 U	64	87	110	7.2	5.7	7.2	
PT9S	PT9S-Q421	N		GW	12/10/2021	< 0.10 U	34	35	320	8.6	6	5	
TW-01	TW-01-Q421	N		GW	12/8/2021	0.76	1200	1300	< 0.50 U	31	13	11	
TW-05	TW-05-Q421	N		GW	12/13/2021	< 0.10 U	14	15	1.4				

Notes:

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

Preliminary RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6, EXMT Lab (ug/L)	Chromium, total dissolved by Method SW 6020A, EXMT Lab (ug/L)	Manganese, dissolved by Method SW 6020A, EXMT Lab (ug/L)	Molybdenum, dissolved by Method SW 6020A, EXMT Lab (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0, EXMT Lab (ug/L)	Selenium, dissolved by Method SW 6020A, EXMT Lab (ug/L)
MW-91-170	MW-91-170-Q421	N		GW	12/14/2021	1.66	< 10 U	256	130	0.655	< 100 U
MW-91-320	MW-91-320-Q421	N		GW	12/14/2021	< 2.0 U	< 10 U	1420	< 100 U	< 2.0 U	< 100 U
MW-92-037	MW-92-037-Q421	N		GW	12/14/2021	< 0.20 U	< 1.0 U	32.7	12.9	< 0.10 U	< 10 U
MW-92-072	MW-92-072-Q421	N		GW	12/14/2021	< 0.20 U	< 1.0 U	19.4	19	0.469	< 10 U
MW-92-102	MW-92-102-Q421	N		GW	12/14/2021	4.85	5.18	< 10 U	33.3	1.23	< 10 U
MW-92-122	MW-92-122-Q421	N		GW	12/14/2021	< 1.0 U	< 10.0 U	188	180	< 0.50 U	< 100 U
MW-93-050	MW-93-050-Q421	N		GW	12/13/2021						
MW-93-213	MW-93-213-Q421	N		GW	12/13/2021						
MW-95-113	MW-95-113-Q421	N		GW	12/8/2021						
MW-95-157	MW-95-157-Q421	N		GW	12/8/2021						
MW-98-055	MW-98-055-Q421	N		GW	12/16/2021						
MW-98-077	MW-98-077-Q421	N		GW	12/16/2021						
PGE-08	PGE-08-Q421	N		GW	12/8/2021						
PT8D	PT8D-Q421	N		GW	12/10/2021						
PT9D	PT9D-Q421	N		GW	12/10/2021						
PT9M	PT9M-Q421	N		GW	12/10/2021						
PT9S	PT9S-Q421	N		GW	12/10/2021						
TW-01	TW-01-Q421	N		GW	12/8/2021						
TW-05	TW-05-Q421	N		GW	12/13/2021						

Notes:

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

Preliminary RCM 2021-11 SURFACEWAT 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/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Nitrate/Nitrite as Nitrogen by Method SM 4500-NO3 F (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)
C-BNS	C-BNS-Q421	N			SURFACEWAT	11/17/2021	3	< 0.20 U	< 1.0 U	< 0.50 U	4.4 J		0.29	1.9
C-CON-D	C-CON-D-Q421	N			SURFACEWAT	11/18/2021	2.5 J	< 0.20 U	< 1.0 U	< 0.50 U	4.5	0.28		1.5
C-CON-S	C-CON-S-Q421	N			SURFACEWAT	11/18/2021	3 J	< 0.20 U	< 1.0 U	< 0.50 U	4.4	0.3		1.5
C-CON-S	MW-912-Q421	FD		C-CON-S-Q421	SURFACEWAT	11/18/2021	3.2 J	< 0.20 U	< 1.0 U	< 0.50 U	4.5	0.28		2
C-I-3-D	C-I-3-D-Q421	N			SURFACEWAT	11/17/2021	2.5	< 0.20 U	< 1.0 U	< 0.50 U	4.5 J		0.3	1.5
C-I-3-S	C-I-3-S-Q421	N			SURFACEWAT	11/17/2021	2.8	< 0.20 U	< 1.0 U	< 0.50 U	4.5 J		0.3	1.6
C-MAR-D	C-MAR-D-Q421	N			SURFACEWAT	11/18/2021	3.2 J	< 0.20 U	< 1.0 U	4.7	4.5	0.28		1.8
C-MAR-S	C-MAR-S-Q421	N			SURFACEWAT	11/18/2021	3.2 J	< 0.20 U	< 1.0 U	5	4.6	0.27		1.6
C-NR1-D	C-NR1-D-Q421	N			SURFACEWAT	11/18/2021	3.3 J	< 0.20 U	< 1.0 U	< 0.50 U	4.5	0.29		1.6
C-NR1-S	C-NR1-S-Q421	N			SURFACEWAT	11/18/2021	3.1 J	< 0.20 U	< 1.0 U	< 0.50 U	4.4	0.29		2
C-NR3-D	C-NR3-D-Q421	N			SURFACEWAT	11/18/2021	3.2 J	< 0.20 U	< 1.0 U	< 0.50 U	4.6	0.29		1.7
C-NR3-D	MW-913-Q421	FD		C-NR3-D-Q421	SURFACEWAT	11/18/2021	3.1 J	< 0.20 U	< 1.0 U	< 0.50 U	4.4	0.29		1.7
C-NR3-S	C-NR3-S-Q421	N			SURFACEWAT	11/18/2021	3.2 J	< 0.20 U	< 1.0 U	< 0.50 U	4.5	0.28		1.8
C-NR4-D	C-NR4-D-Q421	N			SURFACEWAT	11/18/2021	3.2 J	< 0.20 U	< 1.0 U	< 0.50 U	4.7	0.28		1.8
C-NR4-S	C-NR4-S-Q421	N			SURFACEWAT	11/18/2021	3.1 J	< 0.20 U	< 1.0 U	< 0.50 U	4.4	0.28		2
C-R22A-D	C-R22A-D-Q421	N			SURFACEWAT	11/17/2021	2.6	< 0.20 U	< 1.0 U	0.58	4.5 J		0.35	1.5
C-R22A-S	C-R22A-S-Q421	N			SURFACEWAT	11/17/2021	2.7	< 0.20 U	< 1.0 U	< 0.50 U	4.3 J		0.3	1.5
C-R27-D	C-R27-D-Q421	N			SURFACEWAT	11/17/2021	3	< 0.20 U	< 1.0 U	0.59	4.4 J		0.3	1.8
C-R27-S	C-R27-S-Q421	N			SURFACEWAT	11/17/2021	2.9	< 0.20 U	< 1.0 U	< 0.50 U	4.4 J		0.31	1.9
C-TAZ-D	C-TAZ-D-Q421	N			SURFACEWAT	11/17/2021	2.9	< 0.20 U	< 1.0 U	< 0.50 U	4.5 J		0.3	1.8
C-TAZ-S	C-TAZ-S-Q421	N			SURFACEWAT	11/17/2021	3.3	< 0.20 U	< 1.0 U	< 0.50 U	4.6 J		0.31	1.8
R-19	R-19-Q421	N			SURFACEWAT	11/18/2021	3.1 J	< 0.20 U	< 1.0 U	0.56	4.4	0.31		1.9
R-28	R-28-Q421	N			SURFACEWAT	11/17/2021	3.3	< 0.20 U	< 1.0 U	0.95	4.7 J		0.3	2
R63	R63-Q421	N			SURFACEWAT	11/17/2021	2.8	< 0.20 U	< 1.0 U	1.8	4.4 J		0.3	1.7
RRB	RRB-Q421	N			SURFACEWAT	11/18/2021	2.8 J	< 0.20 U	< 1.0 U	24	4.5	0.2		1.6
RRB	MW-914-Q421	FD		RRB-Q421	SURFACEWAT	11/18/2021	2.9 J	< 0.20 U	< 1.0 U	25	4.4	0.22		1.5
SW1	SW1-Q421	N			SURFACEWAT	11/17/2021	2.2	< 0.20 U	< 1.0 U	6.9	5.6 J		< 0.050 U	1.1
SW2	SW2-Q421	N			SURFACEWAT	11/17/2021	2.3	< 0.20 U	< 1.0 U	7.6	5.1 J		< 0.050 U	0.99

Notes:

Analyses were performed by Asset Laboratory.

< = 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

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

TW-01 Extended Aquifer Test-M4W15

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Aluminum, dissolved by Method SW 6010B (µg/L)	Ammonia as nitrogen by Method A4500NH3G (mg/L)	Antimony, dissolved by Method SW 6020 (µg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Beryllium, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M4W15-1021	N			GW	10/6/2021						
MW-34-080	MW-34-080-M4W15-1021	N	LF		GW	10/6/2021						
MW-34-100	MW-34-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-020	MW-36-020-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-040	MW-36-040-M4W15-1021	N			GW	10/6/2021						
MW-36-050	MW-36-050-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-070	MW-36-070-M4W15-1021	N			GW	10/6/2021						
MW-36-090	MW-36-090-M4W15-1021	N			GW	10/6/2021						
MW-36-100	MW-36-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-070	MW-44-070-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-115	MW-44-115-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-125	MW-44-125-M4W15-1021	N	LF		GW	10/6/2021						
MW-46-175	MW-46-175-M4W15-1021	N	LF		GW	10/6/2021						
MW-66BR-270	MW-66BR-270-M4W15-1021	N			GW	10/8/2021						
MW-68-180	MW-68-180-M4W15-1021	N			GW	10/7/2021						
TW-01	TW-01-M4W15-1021	N	EP		GW	10/7/2021	< 50 U	< 0.20 U	< 0.50 U	0.79	37	< 0.50 UJ
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	< 50 U	< 0.20 U	< 0.50 U	0.72	36	< 0.50 UJ
TW-01	TW-01-M4W15-1021-CS	N			Charcoal	10/7/2021						

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine). The dye analyses was run at Ozark Underground Laboratory.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

EP = extraction port

EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

TW-01 Extended Aquifer Test-M4W15

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Boron, dissolved by Method SW 6010B (mg/L)	Cadmium, 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)
MW-34-055	MW-34-055-M4W15-1021	N			GW	10/6/2021					< 0.20 U	
MW-34-080	MW-34-080-M4W15-1021	N	LF		GW	10/6/2021					< 0.20 U	
MW-34-100	MW-34-100-M4W15-1021	N	LF		GW	10/6/2021					< 0.20 U	
MW-36-020	MW-36-020-M4W15-1021	N	LF		GW	10/6/2021					< 0.20 U	
MW-36-040	MW-36-040-M4W15-1021	N			GW	10/6/2021					< 0.20 U	
MW-36-050	MW-36-050-M4W15-1021	N	LF		GW	10/6/2021					< 0.20 U	
MW-36-070	MW-36-070-M4W15-1021	N			GW	10/6/2021					< 0.20 U	
MW-36-090	MW-36-090-M4W15-1021	N			GW	10/6/2021					< 0.20 U	
MW-36-100	MW-36-100-M4W15-1021	N	LF		GW	10/6/2021					< 0.20 U	
MW-44-070	MW-44-070-M4W15-1021	N	LF		GW	10/6/2021					< 0.20 U	
MW-44-115	MW-44-115-M4W15-1021	N	LF		GW	10/6/2021					0.9	
MW-44-125	MW-44-125-M4W15-1021	N	LF		GW	10/6/2021					< 0.20 U	
MW-46-175	MW-46-175-M4W15-1021	N	LF		GW	10/6/2021					6.1	
MW-66BR-270	MW-66BR-270-M4W15-1021	N			GW	10/8/2021						
MW-68-180	MW-68-180-M4W15-1021	N			GW	10/7/2021					49000	
TW-01	TW-01-M4W15-1021	N	EP		GW	10/7/2021	1.4	< 0.50 U	260	1800	1300	1300
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	1.5	< 0.50 U	250	1800	1300	1300
TW-01	TW-01-M4W15-1021-CS	N			Charcoal	10/7/2021						

Notes:

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GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

TW-01 Extended Aquifer Test-M4W15

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Cobalt, dissolved by Method SW 6020 (µg/L)	Copper, dissolved by Method SW 6020 (µg/L)	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (µg/L)	Fluoride by Method EPA 300.0 (mg/L)	Iron, dissolved by Method SW 6010B (µg/L)
MW-34-055	MW-34-055-M4W15-1021	N			GW	10/6/2021						
MW-34-080	MW-34-080-M4W15-1021	N	LF		GW	10/6/2021						
MW-34-100	MW-34-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-020	MW-36-020-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-040	MW-36-040-M4W15-1021	N			GW	10/6/2021						
MW-36-050	MW-36-050-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-070	MW-36-070-M4W15-1021	N			GW	10/6/2021						
MW-36-090	MW-36-090-M4W15-1021	N			GW	10/6/2021						
MW-36-100	MW-36-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-070	MW-44-070-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-115	MW-44-115-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-125	MW-44-125-M4W15-1021	N	LF		GW	10/6/2021						
MW-46-175	MW-46-175-M4W15-1021	N	LF		GW	10/6/2021						
MW-66BR-270	MW-66BR-270-M4W15-1021	N			GW	10/8/2021			< 0.015 U	< 0.0020 U		
MW-68-180	MW-68-180-M4W15-1021	N			GW	10/7/2021						
TW-01	TW-01-M4W15-1021	N	EP		GW	10/7/2021	< 0.50 U	< 1.0 U	< 0.015 U	< 0.0020 U	3.9	< 20 U
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	< 0.50 U	< 1.0 U	< 0.015 U	< 0.0020 U	4.2	< 20 U
TW-01	TW-01-M4W15-1021-CS	N			Charcoal	10/7/2021			1.92	< 0.0020 U		

Notes:

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GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

TW-01 Extended Aquifer Test-M4W15

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Lead, dissolved by Method SW 6020 (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Mercury, dissolved by Method EPA 7470A (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)	Nickel, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M4W15-1021	N			GW	10/6/2021						
MW-34-080	MW-34-080-M4W15-1021	N	LF		GW	10/6/2021						
MW-34-100	MW-34-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-020	MW-36-020-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-040	MW-36-040-M4W15-1021	N			GW	10/6/2021						
MW-36-050	MW-36-050-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-070	MW-36-070-M4W15-1021	N			GW	10/6/2021						
MW-36-090	MW-36-090-M4W15-1021	N			GW	10/6/2021						
MW-36-100	MW-36-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-070	MW-44-070-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-115	MW-44-115-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-125	MW-44-125-M4W15-1021	N	LF		GW	10/6/2021						
MW-46-175	MW-46-175-M4W15-1021	N	LF		GW	10/6/2021						
MW-66BR-270	MW-66BR-270-M4W15-1021	N			GW	10/8/2021						
MW-68-180	MW-68-180-M4W15-1021	N			GW	10/7/2021						
TW-01	TW-01-M4W15-1021	N	EP		GW	10/7/2021	< 1.0 U	25 J	< 0.50 U	< 0.20 U	34	< 5.0 UJ
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	< 1.0 U	26 J	< 0.50 U	< 0.20 U	34	< 1.0 UJ
TW-01	TW-01-M4W15-1021-CS	N			Charcoal	10/7/2021						

Notes:

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GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

TW-01 Extended Aquifer Test-M4W15

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)	Oil and Grease by Method 1664B (mg/L)	pH by Method SM 4500-H+ B (PHUNITS)	Potassium, dissolved by Method SW 6010B (mg/L)	Rhodamine-clc by Method Dye Test (µg/L)	Selenium, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M4W15-1021	N			GW	10/6/2021						
MW-34-080	MW-34-080-M4W15-1021	N	LF		GW	10/6/2021						
MW-34-100	MW-34-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-020	MW-36-020-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-040	MW-36-040-M4W15-1021	N			GW	10/6/2021						
MW-36-050	MW-36-050-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-070	MW-36-070-M4W15-1021	N			GW	10/6/2021						
MW-36-090	MW-36-090-M4W15-1021	N			GW	10/6/2021						
MW-36-100	MW-36-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-070	MW-44-070-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-115	MW-44-115-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-125	MW-44-125-M4W15-1021	N	LF		GW	10/6/2021						
MW-46-175	MW-46-175-M4W15-1021	N	LF		GW	10/6/2021						
MW-66BR-270	MW-66BR-270-M4W15-1021	N			GW	10/8/2021					< 0.015 U	
MW-68-180	MW-68-180-M4W15-1021	N			GW	10/7/2021						
TW-01	TW-01-M4W15-1021	N	EP		GW	10/7/2021	11	< 4.0 U	7.4	22 J	< 0.015 U	12
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	12	< 4.0 U	7.4	21 J	< 0.015 U	12
TW-01	TW-01-M4W15-1021-CS	N			Charcoal	10/7/2021					< 0.015 U	

Notes:

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- FD = field duplicates
- GW = groundwater
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- U = analyte not detected

TW-01 Extended Aquifer Test-M4W15

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Silver, dissolved by Method SW 6020 (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)	Specific conductance by Method EPA 120.1 (uS/cm)	Sulfate by Method EPA 300.0 (mg/L)	Thallium, dissolved by Method SW 6020 (µg/L)	Total dissolved solids by Method SM 2540 C (mg/L)
MW-34-055	MW-34-055-M4W15-1021	N			GW	10/6/2021						
MW-34-080	MW-34-080-M4W15-1021	N	LF		GW	10/6/2021						
MW-34-100	MW-34-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-020	MW-36-020-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-040	MW-36-040-M4W15-1021	N			GW	10/6/2021						
MW-36-050	MW-36-050-M4W15-1021	N	LF		GW	10/6/2021						
MW-36-070	MW-36-070-M4W15-1021	N			GW	10/6/2021						
MW-36-090	MW-36-090-M4W15-1021	N			GW	10/6/2021						
MW-36-100	MW-36-100-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-070	MW-44-070-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-115	MW-44-115-M4W15-1021	N	LF		GW	10/6/2021						
MW-44-125	MW-44-125-M4W15-1021	N	LF		GW	10/6/2021						
MW-46-175	MW-46-175-M4W15-1021	N	LF		GW	10/6/2021						
MW-66BR-270	MW-66BR-270-M4W15-1021	N			GW	10/8/2021						
MW-68-180	MW-68-180-M4W15-1021	N			GW	10/7/2021						
TW-01	TW-01-M4W15-1021	N	EP		GW	10/7/2021	< 0.50 UJ	1200	6200	520	< 0.50 U	3800
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	< 0.50 UJ	1200	6400	510	< 0.50 U	4000
TW-01	TW-01-M4W15-1021-CS	N			Charcoal	10/7/2021						

Notes:

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EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

TW-01 Extended Aquifer Test-M4W15

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by Method SM 5310 C (mg/L)	Total Suspended Solids (TSS) by Method SM 2540 D (mg/L)	Vanadium, dissolved by Method SW 6020 (µg/L)	Zinc, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M4W15-1021	N			GW	10/6/2021				
MW-34-080	MW-34-080-M4W15-1021	N	LF		GW	10/6/2021				
MW-34-100	MW-34-100-M4W15-1021	N	LF		GW	10/6/2021				
MW-36-020	MW-36-020-M4W15-1021	N	LF		GW	10/6/2021				
MW-36-040	MW-36-040-M4W15-1021	N			GW	10/6/2021				
MW-36-050	MW-36-050-M4W15-1021	N	LF		GW	10/6/2021				
MW-36-070	MW-36-070-M4W15-1021	N			GW	10/6/2021				
MW-36-090	MW-36-090-M4W15-1021	N			GW	10/6/2021				
MW-36-100	MW-36-100-M4W15-1021	N	LF		GW	10/6/2021				
MW-44-070	MW-44-070-M4W15-1021	N	LF		GW	10/6/2021				
MW-44-115	MW-44-115-M4W15-1021	N	LF		GW	10/6/2021				
MW-44-125	MW-44-125-M4W15-1021	N	LF		GW	10/6/2021				
MW-46-175	MW-46-175-M4W15-1021	N	LF		GW	10/6/2021				
MW-66BR-270	MW-66BR-270-M4W15-1021	N			GW	10/8/2021				
MW-68-180	MW-68-180-M4W15-1021	N			GW	10/7/2021				
TW-01	TW-01-M4W15-1021	N	EP		GW	10/7/2021	< 1.0 U	< 5.0 U	12	< 10 U
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	< 1.0 U	< 5.0 U	12	< 10 U
TW-01	TW-01-M4W15-1021-CS	N			Charcoal	10/7/2021				

Notes:

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EPA = Environmental Protection Agency

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GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M4W17

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (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)
MW-24A	MW-24A-M4W17-1021	N	LF		GW	10/21/2021						< 0.015 U	0.123			
MW-24B	MW-24B-M4W17-1021	N	LF		GW	10/21/2021						< 0.015 U	< 0.0020 U			
MW-34-055	MW-34-055-M4W17-1021	N	LF		GW	10/20/2021				< 0.20 U						
MW-34-080	MW-34-080-M4W17-1021	N	LF		GW	10/20/2021				< 0.20 U						
MW-34-100	MW-34-100-M4W17-1021	N	LF		GW	10/20/2021				< 0.20 U						
MW-34-100	MW-903-Q421	FD		MW-34-100-M4W17-1021	GW	10/20/2021				< 1.0 U						
MW-36-020	MW-36-020-M4W17-1021	N	LF		GW	10/18/2021				< 0.20 U						
MW-36-040	MW-36-040-M4W17-1021	N	LF		GW	10/18/2021				< 0.20 U						
MW-36-050	MW-36-050-M4W17-1021	N	LF		GW	10/18/2021				< 0.20 U						
MW-36-070	MW-36-070-M4W17-1021	N	LF		GW	10/18/2021				< 0.20 U						
MW-36-090	MW-36-090-M4W17-1021	N	LF		GW	10/18/2021				< 0.20 U						
MW-36-100	MW-36-100-M4W17-1021	N	LF		GW	10/18/2021				< 0.20 U						
MW-38D	MW-38D-M4W17-1021	N	LF		GW	10/21/2021						< 0.015 U	1090			
MW-38S	MW-38S-M4W17-1021	N	LF		GW	10/21/2021						< 0.015 U	< 0.0020 U			
MW-44-070	MW-44-070-M4W17-1021	N	LF		GW	10/20/2021				< 0.20 U						
MW-44-115	MW-44-115-M4W17-1021	N	LF		GW	10/20/2021				1.4						
MW-44-125	MW-44-125-M4W17-1021	N	LF		GW	10/20/2021				< 0.20 U						
MW-46-175	MW-46-175-M4W17-1021	N	LF		GW	10/20/2021				3.6						
MW-46-175	MW-904-Q421	FD		MW-46-175-M4W17-1021	GW	10/20/2021				3.6						
MW-67-185	MW-67-185-M4W17-1021	N	LF		GW	10/21/2021						< 0.015 U	< 0.0020 U			
MW-67-225	MW-67-225-M4W17-1021	N	LF		GW	10/21/2021						< 0.015 U	< 0.0020 U			
PT7D	PT7D-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	92.2			
PT7M	PT7M-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	48.6			
PT7S	PT7S-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	0.164			
PT8D	PT8D-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	2.29			
µg/L = micrograms	PT8M-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	7.1			
PT8S	PT8S-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	< 0.0020 U			
PT9D	PT9D-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	< 0.0020 U			
PT9M	PT9M-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	47.1			
PT9S	PT9S-M4W17-1021	N	LF		GW	10/19/2021						< 0.015 U	< 0.0020 U			
TW-01	MW-902-Q421	FD		TW-01-M4W17-1021	GW	10/20/2021	1	290 J	1800	1300	1400	< 0.015 U	0.019	27	< 0.50 U	34
TW-01	TW-01-M4W17-1021-CS	N			Charcoal	10/20/2021						26.6	3.48			
TW-01	TW-01-M4W17-1021	N	EP		GW	10/20/2021	0.92	270 J	1800	1300	1400	< 0.015 U	0.017	26	< 0.50 U	33

Notes:

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 EP = extraction port
 EPA = Environmental Protection Agency
 FD = field duplicates
 GW = groundwater
 J = estimated result
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SW = solid waste
 U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M4W17

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)	Potassium, dissolved by Method SW 6010B (mg/L)	Rhodamine-clc by Method Dye Test (µg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)	Specific conductance by Method EPA 120.1 (uS/cm)	Sulfate by Method EPA 300.0 (mg/L)	Total dissolved solids by Method SM 2540 C (mg/L)
MW-24A	MW-24A-M4W17-1021	N	LF		GW	10/21/2021			86.8					
MW-24B	MW-24B-M4W17-1021	N	LF		GW	10/21/2021			0.961					
MW-34-055	MW-34-055-M4W17-1021	N	LF		GW	10/20/2021								
MW-34-080	MW-34-080-M4W17-1021	N	LF		GW	10/20/2021								
MW-34-100	MW-34-100-M4W17-1021	N	LF		GW	10/20/2021								
MW-34-100	MW-903-Q421	FD		MW-34-100-M4W17-1021	GW	10/20/2021								
MW-36-020	MW-36-020-M4W17-1021	N	LF		GW	10/18/2021								
MW-36-040	MW-36-040-M4W17-1021	N	LF		GW	10/18/2021								
MW-36-050	MW-36-050-M4W17-1021	N	LF		GW	10/18/2021								
MW-36-070	MW-36-070-M4W17-1021	N	LF		GW	10/18/2021								
MW-36-090	MW-36-090-M4W17-1021	N	LF		GW	10/18/2021								
MW-36-100	MW-36-100-M4W17-1021	N	LF		GW	10/18/2021								
MW-38D	MW-38D-M4W17-1021	N	LF		GW	10/21/2021			< 0.015 U					
MW-38S	MW-38S-M4W17-1021	N	LF		GW	10/21/2021			2.19					
MW-44-070	MW-44-070-M4W17-1021	N	LF		GW	10/20/2021								
MW-44-115	MW-44-115-M4W17-1021	N	LF		GW	10/20/2021								
MW-44-125	MW-44-125-M4W17-1021	N	LF		GW	10/20/2021								
MW-46-175	MW-46-175-M4W17-1021	N	LF		GW	10/20/2021								
MW-46-175	MW-904-Q421	FD		MW-46-175-M4W17-1021	GW	10/20/2021								
MW-67-185	MW-67-185-M4W17-1021	N	LF		GW	10/21/2021			173000					
MW-67-225	MW-67-225-M4W17-1021	N	LF		GW	10/21/2021			< 0.015 U					
PT7D	PT7D-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
PT7M	PT7M-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
PT7S	PT7S-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
PT8D	PT8D-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
µg/L = micrograms	PT8M-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
PT8S	PT8S-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
PT9D	PT9D-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
PT9M	PT9M-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
PT9S	PT9S-M4W17-1021	N	LF		GW	10/19/2021			< 0.015 U					
TW-01	MW-902-Q421	FD		TW-01-M4W17-1021	GW	10/20/2021	11	20	< 0.015 U	14	1300 J	5800	520	3900
TW-01	TW-01-M4W17-1021-CS	N			Charcoal	10/20/2021			19.8					
TW-01	TW-01-M4W17-1021	N	EP		GW	10/20/2021	11	19	< 0.015 U	13	1200 J	5800	510	3900

Notes:

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< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EP = extraction port
- EPA = Environmental Protection Agency
- FD = field duplicates
- GW = groundwater
- J = estimated result
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Aluminum, dissolved by Method SW 6010B (µg/L)	Ammonia as nitrogen by Method A4500NH3G (mg/L)	Antimony, dissolved by Method SW 6020 (µg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Beryllium, dissolved by Method SW 6020 (µg/L)	Boron, dissolved by Method SW 6010B (mg/L)
MW-34-055	MW-34-055-M5W19-1121	N		GW	11/2/2021							
MW-34-080	MW-34-080-M5W19-1121	N		GW	11/2/2021							
MW-34-100	MW-34-100-M5W19-1121	N		GW	11/2/2021							
MW-36-020	MW-36-020-M5W19-1121	N		GW	11/1/2021							
MW-36-040	MW-36-040-M5W19-1121	N		GW	11/1/2021							
MW-36-050	MW-36-050-M5W19-1121	N		GW	11/1/2021							
MW-36-070	MW-36-070-M5W19-1121	N		GW	11/1/2021							
MW-36-090	MW-36-090-M5W19-1121	N		GW	11/1/2021							
MW-36-100	MW-36-100-M5W19-1121	N		GW	11/1/2021							
MW-44-070	MW-44-070-M5W19-1121	N		GW	11/2/2021							
MW-44-115	MW-44-115-M5W19-1121	N		GW	11/2/2021							
MW-44-125	MW-44-125-M5W19-1121	N		GW	11/2/2021							
MW-46-175	MW-46-175-M5W19-1121	N		GW	11/2/2021							
MW-68-180	MW-68-180-M5W19-1121	N		GW	11/2/2021							
TW-01	TW-01-M5W19-1121	N		GW	11/2/2021	< 50 U	< 0.20 U	< 0.50 U	1.1	38 J	< 0.50 UJ	1.4
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 50 U	< 0.20 U	< 0.50 U	1	41 J	< 0.50 UJ	1.4
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021							

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine). The dye analyses was run at Ozark Underground Laboratory.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicates
- GW = groundwater
- J = estimated result
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Cadmium, 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)	Cobalt, dissolved by Method SW 6020 (µg/L)	Copper, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M5W19-1121	N		GW	11/2/2021				< 0.20 U			
MW-34-080	MW-34-080-M5W19-1121	N		GW	11/2/2021				< 0.20 U			
MW-34-100	MW-34-100-M5W19-1121	N		GW	11/2/2021				< 1.0 U			
MW-36-020	MW-36-020-M5W19-1121	N		GW	11/1/2021				< 0.20 U			
MW-36-040	MW-36-040-M5W19-1121	N		GW	11/1/2021				< 0.20 U			
MW-36-050	MW-36-050-M5W19-1121	N		GW	11/1/2021				< 0.20 U			
MW-36-070	MW-36-070-M5W19-1121	N		GW	11/1/2021				< 0.20 U			
MW-36-090	MW-36-090-M5W19-1121	N		GW	11/1/2021				< 0.20 U			
MW-36-100	MW-36-100-M5W19-1121	N		GW	11/1/2021				36			
MW-44-070	MW-44-070-M5W19-1121	N		GW	11/2/2021				< 0.20 U			
MW-44-115	MW-44-115-M5W19-1121	N		GW	11/2/2021				1.2			
MW-44-125	MW-44-125-M5W19-1121	N		GW	11/2/2021				< 1.0 U			
MW-46-175	MW-46-175-M5W19-1121	N		GW	11/2/2021				5.2			
MW-68-180	MW-68-180-M5W19-1121	N		GW	11/2/2021				34000			
TW-01	TW-01-M5W19-1121	N		GW	11/2/2021	< 0.50 U	280	1800	1300	1300	< 0.50 U	< 1.0 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 0.50 U	260	1700	1300	1300	< 0.50 U	< 1.0 U
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021							

Notes:

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< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (µg/L)	Fluoride by Method EPA 300.0 (mg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Lead, dissolved by Method SW 6020 (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M5W19-1121	N		GW	11/2/2021							
MW-34-080	MW-34-080-M5W19-1121	N		GW	11/2/2021							
MW-34-100	MW-34-100-M5W19-1121	N		GW	11/2/2021							
MW-36-020	MW-36-020-M5W19-1121	N		GW	11/1/2021							
MW-36-040	MW-36-040-M5W19-1121	N		GW	11/1/2021							
MW-36-050	MW-36-050-M5W19-1121	N		GW	11/1/2021							
MW-36-070	MW-36-070-M5W19-1121	N		GW	11/1/2021							
MW-36-090	MW-36-090-M5W19-1121	N		GW	11/1/2021							
MW-36-100	MW-36-100-M5W19-1121	N		GW	11/1/2021							
MW-44-070	MW-44-070-M5W19-1121	N		GW	11/2/2021							
MW-44-115	MW-44-115-M5W19-1121	N		GW	11/2/2021							
MW-44-125	MW-44-125-M5W19-1121	N		GW	11/2/2021							
MW-46-175	MW-46-175-M5W19-1121	N		GW	11/2/2021							
MW-68-180	MW-68-180-M5W19-1121	N		GW	11/2/2021							
TW-01	TW-01-M5W19-1121	N		GW	11/2/2021	0.092	0.04	3.8	< 20 U	< 1.0 U	26 J	< 0.50 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	0.097	0.046	4.1	< 20 U	< 1.0 U	25 J	< 0.50 U
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021	115	16.5					

Notes:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Mercury, dissolved by Method EPA 7470A (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)	Nickel, dissolved by Method SW 6020 (µg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Oil and Grease by Method 1664B (mg/L)	pH by Method SM 4500-H+ B (PHUNITS)	Potassium, dissolved by Method SW 6010B (mg/L)
MW-34-055	MW-34-055-M5W19-1121	N		GW	11/2/2021							
MW-34-080	MW-34-080-M5W19-1121	N		GW	11/2/2021							
MW-34-100	MW-34-100-M5W19-1121	N		GW	11/2/2021							
MW-36-020	MW-36-020-M5W19-1121	N		GW	11/1/2021							
MW-36-040	MW-36-040-M5W19-1121	N		GW	11/1/2021							
MW-36-050	MW-36-050-M5W19-1121	N		GW	11/1/2021							
MW-36-070	MW-36-070-M5W19-1121	N		GW	11/1/2021							
MW-36-090	MW-36-090-M5W19-1121	N		GW	11/1/2021							
MW-36-100	MW-36-100-M5W19-1121	N		GW	11/1/2021							
MW-44-070	MW-44-070-M5W19-1121	N		GW	11/2/2021							
MW-44-115	MW-44-115-M5W19-1121	N		GW	11/2/2021							
MW-44-125	MW-44-125-M5W19-1121	N		GW	11/2/2021							
MW-46-175	MW-46-175-M5W19-1121	N		GW	11/2/2021							
MW-68-180	MW-68-180-M5W19-1121	N		GW	11/2/2021							
TW-01	TW-01-M5W19-1121	N		GW	11/2/2021	< 0.20 U	32	< 5.0 UJ	11	< 4.1 U	7.4	18 J
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 0.20 U	31	< 1.0 UJ	11	< 4.1 U	7.4	18 J
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021							

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and F analyses was run at Ozark Underground Laboratory.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicates
- GW = groundwater
- J = estimated result
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Rhodamine-clc by Method Dye Test (µg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Silver, dissolved by Method SW 6020 (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)	Specific conductance by Method EPA 120.1 (uS/cm)	Sulfate by Method EPA 300.0 (mg/L)	Thallium, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M5W19-1121	N		GW	11/2/2021							
MW-34-080	MW-34-080-M5W19-1121	N		GW	11/2/2021							
MW-34-100	MW-34-100-M5W19-1121	N		GW	11/2/2021							
MW-36-020	MW-36-020-M5W19-1121	N		GW	11/1/2021							
MW-36-040	MW-36-040-M5W19-1121	N		GW	11/1/2021							
MW-36-050	MW-36-050-M5W19-1121	N		GW	11/1/2021							
MW-36-070	MW-36-070-M5W19-1121	N		GW	11/1/2021							
MW-36-090	MW-36-090-M5W19-1121	N		GW	11/1/2021							
MW-36-100	MW-36-100-M5W19-1121	N		GW	11/1/2021							
MW-44-070	MW-44-070-M5W19-1121	N		GW	11/2/2021							
MW-44-115	MW-44-115-M5W19-1121	N		GW	11/2/2021							
MW-44-125	MW-44-125-M5W19-1121	N		GW	11/2/2021							
MW-46-175	MW-46-175-M5W19-1121	N		GW	11/2/2021							
MW-68-180	MW-68-180-M5W19-1121	N		GW	11/2/2021							
TW-01	TW-01-M5W19-1121	N		GW	11/2/2021	0.063	13	< 0.50 UJ	1300 J	6300	510	< 0.50 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	0.077	14	< 0.50 UJ	1600 J	6300	510	< 0.50 U
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021	75.4						

Notes:

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Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Total dissolved solids by Method SM 2540 C (mg/L)	Total organic carbon by Method SM 5310 C (mg/L)	Total Suspended Solids (TSS) by Method SM 2540 D (mg/L)	Vanadium, dissolved by Method SW 6020 (µg/L)	Zinc, dissolved by Method SW 6020 (µg/L)
MW-34-055	MW-34-055-M5W19-1121	N		GW	11/2/2021					
MW-34-080	MW-34-080-M5W19-1121	N		GW	11/2/2021					
MW-34-100	MW-34-100-M5W19-1121	N		GW	11/2/2021					
MW-36-020	MW-36-020-M5W19-1121	N		GW	11/1/2021					
MW-36-040	MW-36-040-M5W19-1121	N		GW	11/1/2021					
MW-36-050	MW-36-050-M5W19-1121	N		GW	11/1/2021					
MW-36-070	MW-36-070-M5W19-1121	N		GW	11/1/2021					
MW-36-090	MW-36-090-M5W19-1121	N		GW	11/1/2021					
MW-36-100	MW-36-100-M5W19-1121	N		GW	11/1/2021					
MW-44-070	MW-44-070-M5W19-1121	N		GW	11/2/2021					
MW-44-115	MW-44-115-M5W19-1121	N		GW	11/2/2021					
MW-44-125	MW-44-125-M5W19-1121	N		GW	11/2/2021					
MW-46-175	MW-46-175-M5W19-1121	N		GW	11/2/2021					
MW-68-180	MW-68-180-M5W19-1121	N		GW	11/2/2021					
TW-01	TW-01-M5W19-1121	N		GW	11/2/2021	3900	< 1.0 U	< 5.0 U	13	< 10 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	4000	< 1.0 U	< 5.0 U	13	< 10 U
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021					

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and F) analyses was run at Ozark Underground Laboratory.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W20

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (µg/L)	Rhodamine-clc by Method Dye Test (µg/L)
TW-01	TW-01-M5W20-1121	N	GW	11/11/2021	1300	0.073	0.039	0.153
TW-01	TW-01-M5W20-1121-CS	N	Charcoal	11/11/2021		5.47	1.99	6.31

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine). The dye analyses was run at Ozark Underground Laboratory.

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal

Preliminary TW-01 Extended Aquifer Test-M5W21

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	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)	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (µg/L)
MW-34-055	MW-34-055-M5W21-1121	N		GW	11/19/2021				< 0.20 U			
MW-34-080	MW-34-080-M5W21-1121	N		GW	11/19/2021				< 0.20 U			
MW-34-100	MW-34-100-M5W21-1121	N		GW	11/19/2021				< 1.0 U			
MW-36-020	MW-36-020-M5W21-1121	N		GW	11/18/2021				< 0.20 U			
MW-36-040	MW-36-040-M5W21-1121	N		GW	11/18/2021				< 0.20 U			
MW-36-040	MW-906-Q421	FD	MW-36-040-M5W21-1121	GW	11/18/2021				< 0.20 U			
MW-36-050	MW-36-050-M5W21-1121	N		GW	11/18/2021				< 0.20 U			
MW-36-070	MW-36-070-M5W21-1121	N		GW	11/18/2021				< 0.20 U			
MW-36-090	MW-36-090-M5W21-1121	N		GW	11/18/2021				< 0.20 U			
MW-36-100	MW-36-100-M5W21-1121	N		GW	11/18/2021				8			
MW-44-070	MW-44-070-M5W21-1121	N		GW	11/19/2021				< 0.20 U			
MW-44-115	MW-44-115-M5W21-1121	N		GW	11/19/2021				1.1			
MW-44-125	MW-44-125-M5W21-1121	N		GW	11/19/2021				< 0.20 U			
MW-46-175	MW-46-175-M5W21-1121	N		GW	11/19/2021				4.2			
TW-01	TW-01-M5W21-1121	N		GW	11/15/2021	1.7 J	240	1800	1300	1300	0.199	0.058
TW-01	TW-01-M5W21-1121-CS	N		Charcoal	11/15/2021						37.2	8.93

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine). The dye analyses was run at Ozark Underground Laboratory.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicates
- GW = groundwater
- J = estimated result
- mg/L = milligrams per liter
- N = Normal
- SW = solid waste
- U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W21

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Magnesium, dissolved by Method SW 6010B (mg/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)	Rhodamine-clc by Method Dye Test (µg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)
MW-34-055	MW-34-055-M5W21-1121	N		GW	11/19/2021							
MW-34-080	MW-34-080-M5W21-1121	N		GW	11/19/2021							
MW-34-100	MW-34-100-M5W21-1121	N		GW	11/19/2021							
MW-36-020	MW-36-020-M5W21-1121	N		GW	11/18/2021							
MW-36-040	MW-36-040-M5W21-1121	N		GW	11/18/2021							
MW-36-040	MW-906-Q421	FD	MW-36-040-M5W21-1121	GW	11/18/2021							
MW-36-050	MW-36-050-M5W21-1121	N		GW	11/18/2021							
MW-36-070	MW-36-070-M5W21-1121	N		GW	11/18/2021							
MW-36-090	MW-36-090-M5W21-1121	N		GW	11/18/2021							
MW-36-100	MW-36-100-M5W21-1121	N		GW	11/18/2021							
MW-44-070	MW-44-070-M5W21-1121	N		GW	11/19/2021							
MW-44-115	MW-44-115-M5W21-1121	N		GW	11/19/2021							
MW-44-125	MW-44-125-M5W21-1121	N		GW	11/19/2021							
MW-46-175	MW-46-175-M5W21-1121	N		GW	11/19/2021							
TW-01	TW-01-M5W21-1121	N		GW	11/15/2021	24 J	32 J	11	18 J	0.231	13	1200
TW-01	TW-01-M5W21-1121-CS	N		Charcoal	11/15/2021					51.6		

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhoda) analyses was run at Ozark Underground Laboratory.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W21

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Specific conductance by Method EPA 120.1 (uS/cm)	Sulfate by Method EPA 300.0 (mg/L)	Total dissolved solids by Method SM 2540 C (mg/L)
MW-34-055	MW-34-055-M5W21-1121	N		GW	11/19/2021			
MW-34-080	MW-34-080-M5W21-1121	N		GW	11/19/2021			
MW-34-100	MW-34-100-M5W21-1121	N		GW	11/19/2021			
MW-36-020	MW-36-020-M5W21-1121	N		GW	11/18/2021			
MW-36-040	MW-36-040-M5W21-1121	N		GW	11/18/2021			
MW-36-040	MW-906-Q421	FD	MW-36-040-M5W21-1121	GW	11/18/2021			
MW-36-050	MW-36-050-M5W21-1121	N		GW	11/18/2021			
MW-36-070	MW-36-070-M5W21-1121	N		GW	11/18/2021			
MW-36-090	MW-36-090-M5W21-1121	N		GW	11/18/2021			
MW-36-100	MW-36-100-M5W21-1121	N		GW	11/18/2021			
MW-44-070	MW-44-070-M5W21-1121	N		GW	11/19/2021			
MW-44-115	MW-44-115-M5W21-1121	N		GW	11/19/2021			
MW-44-125	MW-44-125-M5W21-1121	N		GW	11/19/2021			
MW-46-175	MW-46-175-M5W21-1121	N		GW	11/19/2021			
TW-01	TW-01-M5W21-1121	N		GW	11/15/2021	6500	500	3800
TW-01	TW-01-M5W21-1121-CS	N		Charcoal	11/15/2021			

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine) analyses was run at Ozark Underground Laboratory.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicates

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SW = solid waste

U = analyte not detected

Preliminary TW-01 Extended Aquifer Test-M5W22

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (µg/L)	Rhodamine-clc by Method Dye Test (µg/L)
TW-01	TW-01-M5W22-1121	N	GW	11/22/2021	1200	17.7	5.36	32.5
TW-01	TW-01-M5W22-1121-CS	N	Charcoal	11/22/2021		0.244	0.078	0.508

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine). The dye analyses was run at Ozark Underground Laboratory.

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal

Preliminary TW-01 Extended Aquifer Test-M6W23

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Eosine by Method Dye Test (µg/L)	Fluorescein by Method Dye Test (µg/L)	Rhodamine-clc by Method Dye Test (µg/L)
TW-01	TW-01-M6W23-1221	N	GW	12/2/2021	1200	0.302	0.076	0.594
TW-01	TW-01-M6W23-1221-CS	N	Charcoal	12/2/2021		36.3	9.1	103

Notes:

All analyses were performed by Asset Laboratory with the exception of the dye results (Eosine, Fluorescein, and Rhodamine). The dye analyses was run at Ozark Underground Laboratory.

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal