

Preliminary Hyd6 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)	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)
	SITE B-165-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	17	113
	SITE B-220-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	17.6	113
	SITE B-285-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	17	108
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	15.1	92.8
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	16.5	98.1
MTS-1	MTS-1-Q421	N		GW	11/15/2021	40.7	< 200 U	0.261	< 1.0 U	23.9	28.1
MTS-2	MTS-2-Q421	N		GW	11/15/2021	69.8	< 200 U	< 0.10 U	< 1.0 U	17.3	82.6
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	5.25	58.3
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	10.1	77.6
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021		< 200 U		< 1.0 U	9.91	76.8
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021		< 200 U		< 1.0 U	11.4	88.4
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021		< 200 U		< 1.0 U	7.86	35.1
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021		< 200 U		< 1.0 U	4.79	57
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021		< 2000 U		< 10 U	43.4	67.2
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021		< 2000 U		< 10 U	17.4	51

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Beryllium, dissolved by Method SW 6020A (µg/L)	Boron, dissolved by Method SW 6020A (mg/L)	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)
	SITE B-165-Q421	N		GW	11/17/2021	< 1.0 U	0.333	< 1.0 U	34.5	345	31.4
	SITE B-220-Q421	N		GW	11/17/2021	< 1.0 U	0.328	< 1.0 U	34.6	357	31.2
	SITE B-285-Q421	N		GW	11/17/2021	< 1.0 U	0.321	< 1.0 U	34.8	341	31.4
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	< 1.0 U	0.547	< 1.0 U	29.2	694	13.5
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	< 1.0 U	0.524	< 1.0 U	29.8	647	13.8
MTS-1	MTS-1-Q421	N		GW	11/15/2021	< 1.0 U	0.487	< 1.0 U	11.2	1160	< 0.20 U
MTS-2	MTS-2-Q421	N		GW	11/15/2021	< 1.0 U	0.756	< 1.0 U	85.6	724	5.43
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021	< 1.0 U	0.567	< 1.0 U	49.6	776	19.7
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	< 1.0 U	0.516	< 1.0 U	45.9	446	8.6
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	< 1.0 U	0.536	< 1.0 U	46.5	454	8.58
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	< 1.0 U	0.416	< 1.0 U	24.1	242	14.6
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021	< 1.0 U	1.2	< 1.0 U	47.8	550	< 0.20 U
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	< 1.0 U	0.648	< 1.0 U	64.4	619	0.593
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	< 10 U	3.2	< 10 U	171	3640	< 1.0 U
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	< 10 U	2.49	< 10 U	146	3740	< 1.0 U

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Chromium, total dissolved by Method SW 6020A (µg/L)	Cobalt, dissolved by Method SW 6020A (µg/L)	Copper, dissolved by Method SW 6020A (µg/L)	Fluoride by Method EPA 300.0 (mg/L)	Iron, dissolved by Method SW 6020A (µg/L)	Lead, dissolved by Method SW 6020A (µg/L)
	SITE B-165-Q421	N		GW	11/17/2021	43	< 1.0 U	< 2.0 U	4.21	< 100 U	< 1.0 U
	SITE B-220-Q421	N		GW	11/17/2021	50.9	< 1.0 U	< 2.0 U	4.13	107	< 1.0 U
	SITE B-285-Q421	N		GW	11/17/2021	40.6	< 1.0 U	< 2.0 U	4.23	< 100 U	< 1.0 U
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	16.9	< 1.0 U	< 2.0 U	4.27	< 100 U	< 1.0 U
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	56.5	1.21	2.81	4.37	278	< 1.0 U
MTS-1	MTS-1-Q421	N		GW	11/15/2021	< 1.0 U	< 1.0 U	< 2.0 U	4.74	< 100 U	< 1.0 U
MTS-2	MTS-2-Q421	N		GW	11/15/2021	7.3	< 1.0 U	< 2.0 U	5	< 100 U	< 1.0 U
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021	20.7	< 1.0 U	< 2.0 U	3.91	< 100 U	< 1.0 U
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	9.26	< 1.0 U	< 2.0 U	3.18	< 100 U	< 1.0 U
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	9.17	< 1.0 U	< 2.0 U	2.98	< 100 U	< 1.0 U
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	15.6	< 1.0 U	< 2.0 U	3.78	< 100 U	< 1.0 U
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021	< 1.0 U	< 1.0 U	< 2.0 U	2.87	120	< 1.0 U
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	< 1.0 U	< 1.0 U	< 2.0 U	3.46	< 100 U	< 1.0 U
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	< 10 U	< 10 U	< 20 U	< 0.20 U	7050	< 10 U
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	< 10 U	< 10 U	< 20 U	< 0.20 U	10500	< 10 U

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	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)	Nitrate by Method EPA 300.0 (mg/L)
	SITE B-165-Q421	N		GW	11/17/2021	6.89	< 10 U	< 0.50 U	11.6	23.6	2.28
	SITE B-220-Q421	N		GW	11/17/2021	6.87	< 10 U	< 0.50 U	11.9	25	2.37
	SITE B-285-Q421	N		GW	11/17/2021	6.65	< 10 U	< 0.50 U	11.3	23	2.38
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	2.23	< 10 U	< 0.50 U	13.9	14.1	1.86
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	2.23	< 10 U	< 0.50 U	14.3	26.7	2.88
MTS-1	MTS-1-Q421	N		GW	11/15/2021	0.358	< 10 U	< 0.50 U	14.3	< 1.0 U	< 0.20 U
MTS-2	MTS-2-Q421	N		GW	11/15/2021	3.07	< 10 U	< 0.50 U	17.9	2.39	1.57
MW-94-030	MW-94-030-Q421	N		GW	11/17/2021	11.2	< 10 U	< 0.50 U	13.3	< 1.0 U	3.27
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	6.53	< 10 U	< 0.50 U	18.7	< 1.0 U	1.78
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	6.56	< 10 U	< 0.50 U	18.5	< 1.0 U	1.66
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	1.59	< 10 U	< 0.50 U	9.61	< 1.0 U	2.16
MW-99-060	MW-99-060-Q421	N		GW	11/18/2021	19.4	125	< 0.50 U	40	5.94	< 0.10 U
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	11	18.4	< 0.50 U	23.6	4	1.88
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	83.9	714	< 0.50 U	61.9	< 10 U	< 2.0 U
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	111	421	< 0.50 U	34.6	< 10 U	< 4.0 U

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	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)
	SITE B-165-Q421	N		GW	11/17/2021	5.49	1	< 1.0 U	229	82.1	< 1.0 U
	SITE B-220-Q421	N		GW	11/17/2021	5.49	1.05	< 1.0 U	228	81.7	< 1.0 U
	SITE B-285-Q421	N		GW	11/17/2021	5.45	1.12	< 1.0 U	223	79.8	< 1.0 U
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	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	6.93	< 1.0 U	< 1.0 U	426	92.1	< 1.0 U
MTS-1	MTS-1-Q421	N		GW	11/15/2021	6.38	< 1.0 U	< 1.0 U	352	128	< 1.0 U
MTS-2	MTS-2-Q421	N		GW	11/15/2021	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	6.13	3.88	< 1.0 U	215	168	< 1.0 U
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	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	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	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	12.9	< 1.0 U	< 1.0 U	445	213	< 1.0 U
MW-99-140	MW-99-140-Q421	N		GW	11/18/2021	9.65	1.45	< 1.0 U	378	157	< 1.0 U
PGE-09N	PGE-09N-Q421	N		GW	11/18/2021	13	< 10 U	< 10 U	2230	990	< 10 U
PGE-09S	PGE-09S-Q421	N		GW	11/18/2021	14.8	< 10 U	< 10 U	2240	867	< 10 U

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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)
	SITE B-165-Q421	N		GW	11/17/2021	771	17.7	< 20 U
	SITE B-220-Q421	N		GW	11/17/2021	788	18	< 20 U
	SITE B-285-Q421	N		GW	11/17/2021	743	17.5	< 20 U
HNWR-01A	HNWR-01A-98-Q421	N		GW	11/17/2021	1260	17.5	< 20 U
HNWR-01A	HNWR-01A-174-Q421	N		GW	11/17/2021	1300	18.8	< 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	< 20 U
MW-94-100	MW-94-100-Q421	N		GW	11/17/2021	921	16.2	< 20 U
MW-94-100	MW-908-Q421	FD	MW-94-100-Q421	GW	11/17/2021	969	16.3	< 20 U
MW-94-175	MW-94-175-Q421	N		GW	11/17/2021	578	18	< 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

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Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
MW-22	MW-927-Q421	FD	MW-22-Q421	GW	11/30/2021	24	92	< 1.0 U	< 1.0 U	8000	2500	38
MW-22	MW-22-Q421	N		GW	11/30/2021	22	87	< 1.0 U	< 1.0 U	8200	2500	36
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
MW-27-060	MW-27-060-Q421	N		GW	12/1/2021	12	70	< 0.20 U	< 1.0 U	390	270	4.7
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
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
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
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	180	48
MW-30-050	MW-30-050-Q421	N		GW	12/3/2021	2.7	21	< 0.20 U	2.6	38	260	4.9
MW-32-020	MW-32-020-Q421	N		GW	11/30/2021	< 0.10 U	110	< 1.0 U	< 1.0 U	4500	200	100
MW-32-035	MW-32-035-Q421	N		GW	11/30/2021	15	160	< 0.20 U	< 1.0 U	12000	590	9.6
MW-33-040	MW-33-040-Q421	N		GW	11/30/2021			< 1.0 U	2.2			380
MW-33-090	MW-929-Q421	FD	MW-33-090-Q421	GW	11/30/2021			3	6.6			8.2
MW-33-090	MW-33-090-Q421	N		GW	11/30/2021			3	5.6			8.1
MW-33-150	MW-33-150-Q421	N		GW	11/30/2021			2.8	31			39
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
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
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
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
MW-35-060	MW-35-060-Q421	N		GW	12/6/2021			20	20			8.8
MW-35-135	MW-35-135-Q421	N		GW	12/6/2021			26	25			20
MW-36-020	MW-36-020-Q421	N		GW	12/3/2021	0.48	120	< 0.20 U	< 1.0 U	1000	290	17
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	110	3.3
MW-36-040	MW-36-040-Q421	N		GW	12/3/2021	5	41	< 0.20 U	< 1.0 U	320	110	3.5
MW-36-050	MW-36-050-Q421	N		GW	12/3/2021	5.2	25	< 0.20 U	< 1.0 U	150	220	4.1
MW-36-070	MW-36-070-Q421	N		GW	12/3/2021	2.2	33	< 0.20 U	< 1.0 U	< 20 U	210	4.9
MW-36-090	MW-36-090-Q421	N		GW	12/3/2021	1.6	36	< 0.20 U	< 1.0 U	35	72	14
MW-36-100	MW-36-100-Q421	N		GW	12/3/2021	< 0.10 U	43	8	11	260	230	19
MW-39-040	MW-39-040-Q421	N		GW	12/7/2021	16	74	< 0.20 U	< 1.0 U	320	120	7.7
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
MW-39-060	MW-39-060-Q421	N		GW	12/7/2021	16	74	< 0.20 U	< 1.0 U	110	120	7.7
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
MW-39-080	MW-932-Q421	FD	MW-39-080-Q421	GW	12/7/2021	1.5	22	< 0.20 U	< 1.0 U	< 20 U	3.9	22
MW-39-080	MW-39-080-Q421	N		GW	12/7/2021	16	74	< 0.20 U	< 1.0 U	< 20 U	120	7.7
MW-39-100	MW-39-100-Q421	N		GW	12/7/2021	< 0.10 U	27	39	39	29	5.8	7.4
MW-42-030	MW-42-030-Q421	N		GW	11/30/2021	0.72	160	< 0.20 U	< 1.0 U	760	140	17
MW-42-055	MW-42-055-Q421	N		GW	11/30/2021	13	150	< 0.20 U	< 1.0 U	240	210	3.9
MW-42-065	MW-42-065-Q421	N		GW	11/30/2021	6.6	69	< 0.20 U	< 1.0 U	46	1600	7.7
MW-43-025	MW-43-025-Q421	N		GW	11/30/2021	31	75	< 0.20 U	< 1.0 U	4400	360	5.3
MW-43-075	MW-43-075-Q421	N		GW	11/30/2021	8.7	42	< 0.20 U	< 1.0 U	3700	540	15
MW-43-090	MW-43-090-Q421	N		GW	11/30/2021	< 0.10 U	55	< 1.0 U	< 1.0 U	1200	520	29

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	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)	Total organic carbon by Method SM 5310 C (mg/L)
MW-22	MW-927-Q421	FD	MW-22-Q421	GW	11/30/2021	< 0.10 U		< 0.50 U		1.4
MW-22	MW-22-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		1.3
MW-27-020	MW-27-020-Q421	N		GW	12/1/2021	< 0.10 U		< 0.50 U		1
MW-27-060	MW-27-060-Q421	N		GW	12/1/2021	< 0.10 U		< 0.50 U		1.3
MW-27-085	MW-27-085-Q421	N		GW	12/1/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-28-025	MW-28-025-Q421	N		GW	12/8/2021	< 0.10 U		1.3		< 1.0 U
MW-28-090	MW-28-090-Q421	N		GW	12/8/2021	< 0.10 U		< 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	0.1		0.54		11
MW-30-050	MW-30-050-Q421	N		GW	12/3/2021	< 0.10 U		< 0.50 U		1
MW-32-020	MW-32-020-Q421	N		GW	11/30/2021	< 0.10 U		2.2		4.4
MW-32-035	MW-32-035-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		1.9
MW-33-040	MW-33-040-Q421	N		GW	11/30/2021	0.35		5.7		
MW-33-090	MW-929-Q421	FD	MW-33-090-Q421	GW	11/30/2021	1		< 0.50 U		
MW-33-090	MW-33-090-Q421	N		GW	11/30/2021	1.1		< 0.50 U		
MW-33-150	MW-33-150-Q421	N		GW	11/30/2021	1.5		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	< 0.10 U		< 0.50 U		< 1.0 U
MW-34-080	MW-34-080-Q421	N		GW	12/1/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-34-100	MW-930-Q421	FD	MW-34-100-Q421	GW	12/1/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-34-100	MW-34-100-Q421	N		GW	12/1/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-35-060	MW-35-060-Q421	N		GW	12/6/2021	2		0.92		
MW-35-135	MW-35-135-Q421	N		GW	12/6/2021	2.5		1		
MW-36-020	MW-36-020-Q421	N		GW	12/3/2021	< 0.10 U		< 0.50 U		1.6
MW-36-040	MW-931-Q421	FD	MW-36-040-Q421	GW	12/3/2021	< 0.10 U		< 0.50 U		2.3
MW-36-040	MW-36-040-Q421	N		GW	12/3/2021	< 0.10 U		< 0.50 U		2.3
MW-36-050	MW-36-050-Q421	N		GW	12/3/2021	< 0.10 U		< 0.50 U		1.3
MW-36-070	MW-36-070-Q421	N		GW	12/3/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-36-090	MW-36-090-Q421	N		GW	12/3/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-36-100	MW-36-100-Q421	N		GW	12/3/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-39-040	MW-39-040-Q421	N		GW	12/7/2021	< 0.10 U		< 0.50 U		2.2
MW-39-050	MW-39-050-Q421	N		GW	12/7/2021	< 0.10 U		< 0.50 U		1
MW-39-060	MW-39-060-Q421	N		GW	12/7/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-39-070	MW-39-070-Q421	N		GW	12/7/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-39-080	MW-932-Q421	FD	MW-39-080-Q421	GW	12/7/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-39-080	MW-39-080-Q421	N		GW	12/7/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-39-100	MW-39-100-Q421	N		GW	12/7/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-42-030	MW-42-030-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		1.8
MW-42-055	MW-42-055-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-42-065	MW-42-065-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-43-025	MW-43-025-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		1.2
MW-43-075	MW-43-075-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-43-090	MW-43-090-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 1.0 U

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
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
MW-44-115	MW-44-115-Q421	N		GW	12/8/2021	0.86	19	1.8	2.2	< 20 U	10	77
MW-44-125	MW-44-125-Q421	N		GW	12/8/2021	< 0.10 U	55	< 1.0 U	1.9	300	390	230
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
MW-46-175	MW-46-175-Q421	N		GW	12/8/2021	< 0.10 U	31	2.1	36	200	21	200
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
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
MW-47-055	MW-47-055-Q421	N		GW	12/6/2021			17	18			
MW-47-115	MW-47-115-Q421	N		GW	12/6/2021			17	17			
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-52D	MW-52D-Q421	N		GW	11/30/2021	2	37	< 1.0 U	< 1.0 U	950	280	61
MW-52M	MW-52M-Q421	N		GW	11/30/2021	< 0.10 U	54	< 1.0 U	< 1.0 U	1400	210	30
MW-52S	MW-935-Q421	FD	MW-52S-Q421	GW	11/30/2021	< 0.10 U	1300	< 0.20 U	< 1.0 U	20000	1300	4.9
MW-52S	MW-52S-Q421	N		GW	11/30/2021	< 0.10 U	1400	< 0.20 U	< 1.0 U	20000	1400	5.3
MW-53D	MW-53D-Q421	N		GW	11/30/2021	3.6	44	< 1.0 U	< 1.0 U	220	1300	180
MW-53M	MW-53M-Q421	N		GW	11/30/2021	< 0.10 U	58	< 1.0 U	< 1.0 U	380	420	54
MW-53S	MW-53S-Q421	N		GW	11/30/2021	< 0.10 U	200	< 0.20 U	< 1.0 U	5400	1200	1.6
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-936-Q421	FD	MW-75-202-Q421	GW	11/29/2021			< 1.0 U	< 1.0 U			
MW-75-202	MW-75-202-Q421	N		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	< 0.10 U	39	130	140	< 20 U	10	27
MW-76-156	MW-76-156-Q421	N		GW	12/2/2021	< 0.10 U	47	4	4.5	58	92	31
MW-76-181	MW-76-181-Q421	N		GW	12/2/2021	1.5	67	1500	1500	52	89	27
MW-76-218	MW-76-218-Q421	N		GW	12/2/2021	3.9	66	270	280	< 20 U	280	68
MW-77-046	MW-77-046-Q421	N		GW	12/2/2021	< 0.10 U	95	< 1.0 U	< 1.0 U	940	420	95
MW-77-102	MW-77-102-Q421	N		GW	12/2/2021	< 0.10 U	40	0.67	< 1.0 U	39	20	4.4
MW-77-158	MW-937-Q421	FD	MW-77-158-Q421	GW	12/2/2021	< 0.10 U	44	6.9	7.9	< 20 U	62	33
MW-77-158	MW-77-158-Q421	N		GW	12/2/2021	< 0.10 U	43	7.1	7.7	48	60	32
MW-77-187	MW-77-187-Q421	N		GW	12/2/2021	< 0.10 U	40	2.5	3.1	50	50	250
MW-81-043	MW-81-043-Q421	N		GW	12/13/2021	0.75	110	8.7	9.2	< 20 U	160	24
MW-81-098	MW-81-098-Q421	N		GW	12/13/2021	< 0.10 U	70	1.2	1.7	41	140	3.4
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
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			
TW-04	TW-04-Q421	N		GW	12/6/2021			9.1	9.3			

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	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)	Total organic carbon by Method SM 5310 C (mg/L)
MW-44-070	MW-44-070-Q421	N		GW	12/8/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-44-115	MW-44-115-Q421	N		GW	12/8/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-44-125	MW-44-125-Q421	N		GW	12/8/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-45-095A	MW-45-095A-Q421	N		GW	12/1/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-46-175	MW-46-175-Q421	N		GW	12/8/2021	0.9		0.56		< 1.0 U
MW-46-205	MW-933-Q421	FD	MW-46-205-Q421	GW	12/8/2021	0.96		0.86		< 1.0 U
MW-46-205	MW-46-205-Q421	N		GW	12/8/2021	0.93		0.82		< 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-52D	MW-52D-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 50 U
MW-52M	MW-52M-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-52S	MW-935-Q421	FD	MW-52S-Q421	GW	11/30/2021	< 0.10 U		< 0.50 U		1.4
MW-52S	MW-52S-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		1.3
MW-53D	MW-53D-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-53M	MW-53M-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 1.0 U
MW-53S	MW-53S-Q421	N		GW	11/30/2021	< 0.10 U		< 0.50 U		< 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-936-Q421	FD	MW-75-202-Q421	GW	11/29/2021					
MW-75-202	MW-75-202-Q421	N		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		< 2.5 U	2.8	190	< 1.0 U
MW-76-156	MW-76-156-Q421	N		GW	12/2/2021		< 5.0 U	1.1	780	< 1.0 U
MW-76-181	MW-76-181-Q421	N		GW	12/2/2021		< 5.0 U	1.7	870	< 1.0 U
MW-76-218	MW-76-218-Q421	N		GW	12/2/2021		< 10 U	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-937-Q421	FD	MW-77-158-Q421	GW	12/2/2021			0.78		< 1.0 U
MW-77-158	MW-77-158-Q421	N		GW	12/2/2021			0.53		< 1.0 U
MW-77-187	MW-77-187-Q421	N		GW	12/2/2021			0.81		< 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
MW-90-031	MW-90-031-Q421	N		GW	12/8/2021	< 0.10 U		< 0.50 U		1.8
MW-97-042	MW-97-042-Q421	N		GW	12/13/2021					
MW-97-202	MW-97-202-Q421	N		GW	12/13/2021					
TW-04	TW-04-Q421	N		GW	12/6/2021					

Preliminary PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
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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	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)	Total organic carbon by Method SM 5310 C (mg/L)
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Notes:

Analyses were performed by Asset Laboratory.

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Acronyms and Abbreviations:

µg/L = micrograms per liter

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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	Sample Method	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)
TW-03D	TW-03D-1121	N		GW	11/2/2021	150	230	2100	400	390	< 20 U	30

Notes:

Analyses were performed by Asset Laboratory.
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Acronyms and Abbreviations:

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

Preliminary PCM 2021-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	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)	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	10	2.6	7.2	1400	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
 mg/L = milligrams per liter
 N = Normal
 SW = solid waste

Preliminary 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-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

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

Preliminary 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-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

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

Preliminary 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-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	< 0.50 U	< 0.20 U	34	< 5.0 U
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	< 1.0 U	26	< 0.50 U	< 0.20 U	34	< 1.0 U

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.

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Acronyms and Abbreviations:

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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-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-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	< 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	< 0.015 U	12

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

Preliminary 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-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	1200	6200	520	< 0.50 U	3800
TW-01	MW-901-Q421	FD		TW-01-M4W15-1021	GW	10/7/2021	< 0.50 U	1200	6400	510	< 0.50 U	4000

Notes:

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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

Preliminary 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-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

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.

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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

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)
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-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		
TW-01	TW-01-M4W17-1021	N	EP		GW	10/20/2021	0.92	270	1800	1300	1400	< 0.015 U
TW-01	MW-902-Q421	FD		TW-01-M4W17-1021	GW	10/20/2021	1	290	1800	1300	1400	< 0.015 U

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.
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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

Preliminary TW-01 Extended Aquifer Test-M4W17

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Potassium, dissolved by Method SW 6010B (mg/L)
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-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						
TW-01	TW-01-M4W17-1021	N	EP		GW	10/20/2021	0.017	26	< 0.50 U	33	11	19
TW-01	MW-902-Q421	FD		TW-01-M4W17-1021	GW	10/20/2021	0.019	27	< 0.50 U	34	11	20

Notes:

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Acronyms and Abbreviations:

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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

Preliminary TW-01 Extended Aquifer Test-M4W17

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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-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-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						
TW-01	TW-01-M4W17-1021	N	EP		GW	10/20/2021	< 0.015 U	13	1200	5800	510	3900
TW-01	MW-902-Q421	FD		TW-01-M4W17-1021	GW	10/20/2021	< 0.015 U	14	1300	5800	520	3900

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.
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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

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)
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	< 0.50 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 50 U	< 0.20 U	< 0.50 U	1	41	< 0.50 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 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

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	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-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	1.4	< 0.50 U	280	1800	1300	1300
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	1.4	< 0.50 U	260	1700	1300	1300
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.

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Acronyms and Abbreviations:

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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-M5W19

Location ID	Sample ID	Sample Type	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-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	< 0.50 U	< 1.0 U	0.092	0.04	3.8	< 20 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 0.50 U	< 1.0 U	0.097	0.046	4.1	< 20 U
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021			115	16.5		

Notes:

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- 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	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-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	< 1.0 U	26	< 0.50 U	< 0.20 U	32	< 5.0 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 1.0 U	25	< 0.50 U	< 0.20 U	31	< 1.0 U
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021						

Notes:

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- 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	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-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	11	< 4.1 U	7.4	18	0.063	13
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	11	< 4.1 U	7.4	18	0.077	14
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021					75.4	

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

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	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-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	< 0.50 U	1300	6300	510	< 0.50 U	3900
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 0.50 U	1600	6300	510	< 0.50 U	4000
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021						

Notes:

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- 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

Preliminary TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	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-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	< 1.0 U	< 5.0 U	13	< 10 U
TW-01	MW-905-Q421	FD	TW-01-M5W19-1121	GW	11/2/2021	< 1.0 U	< 5.0 U	13	< 10 U
TW-01	TW-01-M5W19-1121-CS	N		Charcoal	11/2/2021				

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

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:
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Acronyms and Abbreviations:
 µg/L = micrograms per liter
 EP = extraction port
 EPA = Environmental Protection Agency
 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-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-44-115	MW-44-115-M5W21-1121	N		GW	11/19/2021				1.1			
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-44-125	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	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:

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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-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-44-115	MW-44-115-M5W21-1121	N		GW	11/19/2021							
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-44-125	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	32	11	18	0.231	13	1200
TW-01	TW-01-M5W21-1121-CS	N		Charcoal	11/15/2021					51.6		

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

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-44-115	MW-44-115-M5W21-1121	N		GW	11/19/2021			
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-44-125	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). 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

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.
 < = analyte not detected at the reporting limit shown

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analyses was run at Ozark Underground Laboratory.