

TW-01 Extended Aquifer Test-M6W24

Location ID	Sample ID	Sample Type	Sample Method	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-CS	N		Charcoal	12/8/2021		14.9	4.46	66.5
TW-01	TW-01-M6W24-1221	N	EP	GW	12/8/2021	1200	0.368	0.091	0.758

Notes:

Samples were sent to Asset for analyses 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

Unvalidated PCM 2022-01 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Iron by Method SW 6010B (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Total organic carbon by Method SM 5310 C (mg/L)
IRZ-23	IRZ-23-0122	N	GW	1/25/2022	780	130	< 20 U	< 0.50 U	< 1.0 U

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GW = groundwater

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

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)
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			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	
PT8M	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	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
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

Notes:

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TW-01 Extended Aquifer Test-M4W17

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)	Nitrate/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)
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			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			
PT8M	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	TW-01-M4W17-1021-CS	N			Charcoal	10/20/2021					19.8			
TW-01	TW-01-M4W17-1021	N	EP		GW	10/20/2021	< 0.50 U	33	11	19	< 0.015 U	13	1200 J	5800
TW-01	MW-902-Q421	FD		TW-01-M4W17-1021	GW	10/20/2021	< 0.50 U	34	11	20	< 0.015 U	14	1300 J	5800

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TW-01 Extended Aquifer Test-M4W17

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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		
MW-24B	MW-24B-M4W17-1021	N	LF		GW	10/21/2021		
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		
MW-38S	MW-38S-M4W17-1021	N	LF		GW	10/21/2021		
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		
MW-67-185	MW-67-185-M4W17-1021	N	LF		GW	10/21/2021		
MW-67-225	MW-67-225-M4W17-1021	N			GW	10/21/2021		
PT7D	PT7D-M4W17-1021	N	LF		GW	10/19/2021		
PT7M	PT7M-M4W17-1021	N	LF		GW	10/19/2021		
PT7S	PT7S-M4W17-1021	N	LF		GW	10/19/2021		
PT8D	PT8D-M4W17-1021	N	LF		GW	10/19/2021		
PT8M	PT8M-M4W17-1021	N	LF		GW	10/19/2021		
PT8S	PT8S-M4W17-1021	N	LF		GW	10/19/2021		
PT9D	PT9D-M4W17-1021	N	LF		GW	10/19/2021		
PT9M	PT9M-M4W17-1021	N	LF		GW	10/19/2021		
PT9S	PT9S-M4W17-1021	N	LF		GW	10/19/2021		
TW-01	TW-01-M4W17-1021-CS	N			Charcoal	10/20/2021		
TW-01	TW-01-M4W17-1021	N	EP		GW	10/20/2021	510	3900
TW-01	MW-902-Q421	FD		TW-01-M4W17-1021	GW	10/20/2021	520	3900

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IM3 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Boron, dissolved by Method SW 6010B (mg/L)	Calcium, dissolved by Method SW 6010B (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)
CW-01D	CW-01D-Q421	N	LF		GW	12/1/2021	73	< 0.10 UJ	20	1.1	150	1900	0.51
CW-01M	CW-01M-Q421	N	LF		GW	12/1/2021	90	< 0.10 UJ	74	0.98	180	2100	1.2
CW-02D	MW-926-Q421	FD		CW-02D-Q421	GW	12/6/2021	64	< 0.10 U	17	0.97 J	95	2200	0.45
CW-02D	CW-02D-Q421	N	LF		GW	12/6/2021	64	< 0.10 U	17	1 J	100	2200	0.45
CW-02M	CW-02M-Q421	N	LF		GW	12/6/2021	63	< 0.10 U	66	1.1 J	140	2200	1.1
CW-03D	CW-03D-Q421	N	LF		GW	12/6/2021	70	< 0.10 U	19	0.89 J	73	2200	1.2
CW-03M	CW-03M-Q421	N	LF		GW	12/6/2021	52	< 0.10 U	34	1.2 J	150	2200	2.2
CW-04D	CW-04D-Q421	N	LF		GW	12/1/2021	72	< 0.10 UJ	30	0.99	160	2100	0.3
CW-04M	CW-04M-Q421	N	LF		GW	12/1/2021	57	< 0.10 UJ	98	0.91	210	2100	1.2
OW-01D	OW-01D-Q421	N	LF		GW	12/15/2021	86	< 0.10 U	32	1.1 J	140	2000	0.5
OW-01M	OW-01M-Q421	N	LF		GW	12/15/2021	110	< 0.10 U	63	1 J	150	2000	1.2
OW-01S	OW-01S-Q421	N	LF		GW	12/15/2021	270	< 0.10 U	110	0.88 J	350	1700	8.4
OW-02D	OW-02D-Q421	N	LF		GW	12/15/2021	86	< 0.10 U	24	1.1 J	190	2100	0.28
OW-02M	OW-02M-Q421	N	LF		GW	12/15/2021	97	< 0.10 U	38	1.1 J	150	2000	1.1
OW-02S	OW-02S-Q421	N	LF		GW	12/15/2021	58	< 0.10 U	130	0.59 J	130	1100	15
OW-05D	OW-05D-Q421	N	LF		GW	12/1/2021	76	< 0.10 UJ	28	1.1	200	2000	0.42
OW-05M	OW-05M-Q421	N	LF		GW	12/1/2021	79	< 0.10 UJ	31	1.1	150	1900	0.59
OW-05S	OW-05S-Q421	N	LF		GW	12/1/2021	48	< 0.10 UJ	130	0.34	430	1700	9.7

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IM3 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Chromium, total dissolved by Method SW 6020 (µg/L)	Fluoride by Method EPA 300.0 (mg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Potassium, dissolved by Method SW 6010B (mg/L)
CW-01D	CW-01D-Q421	N	LF		GW	12/1/2021	1.6	2.7	19	< 0.50 U	24	8.3	13 J
CW-01M	CW-01M-Q421	N	LF		GW	12/1/2021	2.4	2.4	13	0.92	17	2.5	12 J
CW-02D	MW-926-Q421	FD		CW-02D-Q421	GW	12/6/2021	1.5 J	1.9	4.9 J	1 J	14	2.7	10
CW-02D	CW-02D-Q421	N	LF		GW	12/6/2021	1.4 J	2.1	5.2 J	0.89 J	14	2.8	14
CW-02M	CW-02M-Q421	N	LF		GW	12/6/2021	2.3 J	3.2	9.8 J	0.75 J	14	2.8	15
CW-03D	CW-03D-Q421	N	LF		GW	12/6/2021	2.2 J	2.4	4.6 J	5.5 J	13	2.6	11
CW-03M	CW-03M-Q421	N	LF		GW	12/6/2021	3.6 J	4.2	11 J	2 J	37	2.6	13
CW-04D	CW-04D-Q421	N	LF		GW	12/1/2021	17	2.9	11	95	24	2.7	13 J
CW-04M	CW-04M-Q421	N	LF		GW	12/1/2021	2.1	2.3	14	< 0.50 U	10	2.7	13 J
OW-01D	OW-01D-Q421	N	LF		GW	12/15/2021	2.8	2.3	24 J	4.7	23	7 J	17 J
OW-01M	OW-01M-Q421	N	LF		GW	12/15/2021	4.1	2.1	24 J	4.8	24	7.8 J	15 J
OW-01S	OW-01S-Q421	N	LF		GW	12/15/2021	31	1.4	54 J	26	8.9	3 J	17 J
OW-02D	OW-02D-Q421	N	LF		GW	12/15/2021	1.8	3.1	31 J	1.7	24	7.4 J	21 J
OW-02M	OW-02M-Q421	N	LF		GW	12/15/2021	1.6	2.5	25 J	< 0.50 U	23	7.5 J	14 J
OW-02S	OW-02S-Q421	N	LF		GW	12/15/2021	15	2.7	16 J	0.83	21	3.2 J	11 J
OW-05D	OW-05D-Q421	N	LF		GW	12/1/2021	1.9	2.8	31	< 0.50 U	29	7.8	17 J
OW-05M	OW-05M-Q421	N	LF		GW	12/1/2021	1.1	3	24	< 0.50 U	26	9	15 J
OW-05S	OW-05S-Q421	N	LF		GW	12/1/2021	10	1.7	69	< 0.50 U	7.6	2.8	17 J

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SM = standard method

SW = solid waste

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IM3 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by Method SW 6020 (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total dissolved solids by Method SM 2540 C (mg/L)	Vanadium, dissolved by Method SW 6020 (µg/L)
CW-01D	CW-01D-Q421	N	LF		GW	12/1/2021	7.6	1400	510	4000	2.4
CW-01M	CW-01M-Q421	N	LF		GW	12/1/2021	4.1	1500	490	4300	2.2
CW-02D	MW-926-Q421	FD		CW-02D-Q421	GW	12/6/2021	4.3	1600	510	4200	3.7
CW-02D	CW-02D-Q421	N	LF		GW	12/6/2021	4.1	1500	510	4000	3.7
CW-02M	CW-02M-Q421	N	LF		GW	12/6/2021	3.4	1500	500	4100	3.5
CW-03D	CW-03D-Q421	N	LF		GW	12/6/2021	3.9	1500	500	4100	2.3
CW-03M	CW-03M-Q421	N	LF		GW	12/6/2021	2.5	1500	520	4100	2.6
CW-04D	CW-04D-Q421	N	LF		GW	12/1/2021	3.5	1500	480	4300	5.3
CW-04M	CW-04M-Q421	N	LF		GW	12/1/2021	3.2	1400	490	4200	3.2
OW-01D	OW-01D-Q421	N	LF		GW	12/15/2021	8.2	1400	510	4100	3.2
OW-01M	OW-01M-Q421	N	LF		GW	12/15/2021	8.2	1500	510	4100	3
OW-01S	OW-01S-Q421	N	LF		GW	12/15/2021	2.9	1000	360	4000	2.5
OW-02D	OW-02D-Q421	N	LF		GW	12/15/2021	8.4	1600	500	4100	1.9
OW-02M	OW-02M-Q421	N	LF		GW	12/15/2021	7.8	1600	510	4100	2.8
OW-02S	OW-02S-Q421	N	LF		GW	12/15/2021	2	640	180	2200	3.4
OW-05D	OW-05D-Q421	N	LF		GW	12/1/2021	9.3	1300	500	4000	2.4
OW-05M	OW-05M-Q421	N	LF		GW	12/1/2021	9.2	1400	510	4000	1.8
OW-05S	OW-05S-Q421	N	LF		GW	12/1/2021	2.4	660	360	4000	2

Notes:

All samples were sent to Asset for analyses.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

µS/cm = microsiemens per centimeter

EPA = Environmental Protection Agency

FD = field duplicate

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated OMM 2022-Q1 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Total organic carbon by Method SM 5310 C (mg/L)
BACKWASH POST-FILTER	BACKWASH POST-FILTER-012522	N	WATER	1/25/2022	630	650	< 20 U	4.8	
BACKWASH POST-FILTER	BACKWASH POST-FILTER-020822	N	WATER	2/8/2022	710	710	160	35	
BACKWASH PRE-FILTER	BACKWASH PRE-FILTER-012522	N	WATER	1/25/2022	640	640	< 20 U	4.8	
BACKWASH PRE-FILTER	BACKWASH PRE-FILTER-020822	N	WATER	2/8/2022	680	660	< 20 U	33	
CAB_MIXER_606	CAB_MIXER_606-010622	N	GW	1/6/2022					5.9
CAB_MIXER_606	CAB_MIXER_606-012422	N	GW	1/24/2022					3
CAB_MIXER_606	CAB_MIXER_606-020722	N	GW	2/7/2022					< 5.0 U
CAB_MIXER_607	CAB_MIXER_607-010622	N	GW	1/6/2022					8
CAB_MIXER_607	CAB_MIXER_607-012422	N	GW	1/24/2022					3.7
IRZ-27	IRZ-27 BACKWASH-021722	N	WATER	2/17/2022	380	420	< 20 U	41	

Notes:

All samples were sent to Asset for analyses.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	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)
MW-20-070	MW-20-070-Q421	N	LF		GW	12/15/2021	< 0.20 U	0.9	47	570	590	37 J	< 0.50 U	18	39
MW-20-100	MW-20-100-Q421	N	LF		GW	12/15/2021	< 0.20 U	1.3	24	650	660	33 J	< 0.50 U	3.6	7.9
MW-20-130	MW-20-130-Q421	N	LF		GW	12/15/2021	< 0.20 U	0.22	24	3300	3400	< 20 UJ	1.6	22	13
MW-21	MW-21-Q421	N	3V		GW	12/16/2021	< 0.20 U	< 0.10 U	41	< 1.0 U	< 1.0 U	76 J	200	65	0.27
MW-22	MW-22-Q421	N	LF		GW	11/30/2021		22 J	87	< 1.0 U	< 1.0 U	8200	2500	36	< 0.10 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-26	MW-26-Q421	N	LF		GW	12/15/2021	< 0.20 U	0.92	33	2200	2300	46 J	2.3	16	13
MW-27-020	MW-27-020-Q421	N	LF		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	LF		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	LF		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	LF		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	LF		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	LF		GW	12/2/2021				< 0.20 U	< 1.0 U				
MW-30-030	MW-30-030-Q421	N	LF		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	LF		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	LF		GW	12/16/2021	< 0.20 U	0.52	55	310	310	21 J	1.3	25	3.6
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
MW-31-135	MW-31-135-Q421	N	LF		GW	12/16/2021	< 0.20 U	< 0.10 U	46	13	14	< 20 U	< 0.50 U	27	1.2
MW-32-020	MW-32-020-Q421	N	LF		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	LF		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	LF		GW	11/30/2021				< 1.0 U	2.2			380	0.35
MW-33-090	MW-33-090-Q421	N	LF		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	LF		GW	11/30/2021				2.8	31			39	1.5
MW-33-210	MW-33-210-Q421	N	LF		GW	11/30/2021				12	20				
MW-34-055	MW-34-055-Q421	N	LF		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	LF		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	LF		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	LF		GW	12/6/2021				20	20 J			8.8	2
MW-35-135	MW-35-135-Q421	N	LF		GW	12/6/2021				26	25 J			20	2.5
MW-36-020	MW-36-020-Q421	N	LF		GW	12/3/2021		0.48	120	< 0.20 U	< 1.0 U	1000 J	290	17	< 0.10 U
MW-36-040	MW-36-040-Q421	N	LF		GW	12/3/2021		5	41	< 0.20 U	< 1.0 U	320 J	110	3.5	< 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-36-050	MW-36-050-Q421	N	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		GW	11/30/2021		6.6 J	69	< 0.20 U	< 1.0 U	46	1600	7.7	< 0.10 U

PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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-20-070	MW-20-070-Q421	N	LF		GW	12/15/2021	< 5.0 U	33 J	490	< 1.0 U
MW-20-100	MW-20-100-Q421	N	LF		GW	12/15/2021	< 2.5 U	6 J	200	< 1.0 U
MW-20-130	MW-20-130-Q421	N	LF		GW	12/15/2021	< 5.0 U	37 J	960	< 1.0 U
MW-21	MW-21-Q421	N	3V		GW	12/16/2021	< 5.0 U	4.5	1600	< 1.0 U
MW-22	MW-22-Q421	N	LF		GW	11/30/2021		< 0.50 U		1.3
MW-22	MW-927-Q421	FD		MW-22-Q421	GW	11/30/2021		< 0.50 U		1.4
MW-26	MW-26-Q421	N	LF		GW	12/15/2021	< 5.0 U	13 J	430	< 1.0 U
MW-27-020	MW-27-020-Q421	N	LF		GW	12/1/2021		< 0.50 U		1
MW-27-060	MW-27-060-Q421	N	LF		GW	12/1/2021		< 0.50 U		1.3
MW-27-085	MW-27-085-Q421	N	LF		GW	12/1/2021		< 0.50 U		< 1.0 U
MW-28-025	MW-28-025-Q421	N	LF		GW	12/8/2021		1.3		< 1.0 U
MW-28-090	MW-28-090-Q421	N	LF		GW	12/8/2021		< 0.50 U		< 1.0 U
MW-29	MW-29-Q421	N	LF		GW	12/2/2021				
MW-30-030	MW-30-030-Q421	N	LF		GW	12/3/2021		0.54		11
MW-30-050	MW-30-050-Q421	N	LF		GW	12/3/2021		< 0.50 U		1
MW-31-060	MW-31-060-Q421	N	LF		GW	12/16/2021	< 2.5 U	3.1	210	< 1.0 U
MW-31-060	MW-928-Q421	FD		MW-31-060-Q421	GW	12/16/2021	< 2.5 U	3.1	210	< 1.0 U
MW-31-135	MW-31-135-Q421	N	LF		GW	12/16/2021	< 5.0 U	0.58	500	< 1.0 U
MW-32-020	MW-32-020-Q421	N	LF		GW	11/30/2021		2.2		4.4
MW-32-035	MW-32-035-Q421	N	LF		GW	11/30/2021		< 0.50 U		1.9
MW-33-040	MW-33-040-Q421	N	LF		GW	11/30/2021		5.7		
MW-33-090	MW-33-090-Q421	N	LF		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	LF		GW	11/30/2021		0.63		
MW-33-210	MW-33-210-Q421	N	LF		GW	11/30/2021				
MW-34-055	MW-34-055-Q421	N	LF		GW	12/1/2021		< 0.50 U		< 1.0 U
MW-34-080	MW-34-080-Q421	N	LF		GW	12/1/2021		< 0.50 U		< 1.0 U
MW-34-100	MW-34-100-Q421	N	LF		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	LF		GW	12/6/2021		0.92		
MW-35-135	MW-35-135-Q421	N	LF		GW	12/6/2021		1		
MW-36-020	MW-36-020-Q421	N	LF		GW	12/3/2021		< 0.50 U		1.6
MW-36-040	MW-36-040-Q421	N	LF		GW	12/3/2021		< 0.50 U		2.3
MW-36-040	MW-931-Q421	FD		MW-36-040-Q421	GW	12/3/2021		< 0.50 U		2.3
MW-36-050	MW-36-050-Q421	N	LF		GW	12/3/2021		< 0.50 U		1.3
MW-36-070	MW-36-070-Q421	N	LF		GW	12/3/2021		< 0.50 U		< 1.0 U
MW-36-090	MW-36-090-Q421	N	LF		GW	12/3/2021		< 0.50 U		< 1.0 U
MW-36-100	MW-36-100-Q421	N	LF		GW	12/3/2021		< 0.50 U		< 1.0 U
MW-39-040	MW-39-040-Q421	N	LF		GW	12/7/2021		< 0.50 U		2.2
MW-39-050	MW-39-050-Q421	N	LF		GW	12/7/2021		< 0.50 U		1
MW-39-060	MW-39-060-Q421	N	LF		GW	12/7/2021		< 0.50 U		< 1.0 U
MW-39-070	MW-39-070-Q421	N	LF		GW	12/7/2021		< 0.50 U		< 1.0 U
MW-39-080	MW-39-080-Q421	N	LF		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	LF		GW	12/7/2021		< 0.50 U		< 1.0 U
MW-42-030	MW-42-030-Q421	N	LF		GW	11/30/2021		< 0.50 U		1.8
MW-42-055	MW-42-055-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 1.0 U
MW-42-065	MW-42-065-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 1.0 U

PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	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)
MW-43-025	MW-43-025-Q421	N	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		GW	12/8/2021		< 0.10 U	31	2.1	36	200	21	200	0.9
MW-46-205	MW-46-205-Q421	N	LF		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	LF		GW	12/6/2021				17	18 J				
MW-47-115	MW-47-115-Q421	N	LF		GW	12/6/2021				17	17 J				
MW-49-135	MW-49-135-Q421	N	LF		GW	12/2/2021				6.1	7.3				
MW-49-275	MW-49-275-Q421	N	LF		GW	12/2/2021				< 1.0 U	2.2				
MW-49-365	MW-49-365-Q421	N	LF		GW	12/2/2021				< 1.0 U	2.6				
MW-51	MW-51-Q421	N	LF		GW	12/15/2021	< 0.20 U	< 0.10 U	43	2900	3100	25 J	1.1	42	13
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
MW-52D	MW-52D-Q421	N	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		GW	12/16/2021	< 0.20 U	< 0.10 U	42	< 1.0 U	< 1.0 U	31 J	71	15	< 0.10 U
MW-75-033	MW-75-033-Q421	N	LF		GW	11/29/2021				42	39				
MW-75-117	MW-75-117-Q421	N	LF		GW	11/29/2021				10	10				
MW-75-202	MW-75-202-Q421	N	LF		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	LF		GW	11/29/2021				< 1.0 U	< 1.0 U				
MW-75-337	MW-75-337-Q421	N	LF		GW	11/29/2021				< 1.0 U	< 1.0 U				
MW-76-039	MW-76-039-Q421	N	LF		GW	12/2/2021	< 0.20 U	< 0.10 UJ	39	130	140	< 20 UJ	10	27	2.8
MW-76-156	MW-76-156-Q421	N	LF		GW	12/2/2021	< 0.20 U	< 0.10 UJ	47	4	4.5	58 J	92	31	2
MW-76-181	MW-76-181-Q421	N	LF		GW	12/2/2021	< 0.20 U	1.5 J	67	1500	1500	52 J	89	27	2.3
MW-76-218	MW-76-218-Q421	N	LF		GW	12/2/2021	< 0.20 U	3.9 J	66	270	280	< 20 UJ	280	68	0.85
MW-77-046	MW-77-046-Q421	N	LF		GW	12/2/2021		< 0.10 UJ	95	< 1.0 U	< 1.0 U	940 J	420	95	< 0.10 U
MW-77-102	MW-77-102-Q421	N	LF		GW	12/2/2021		< 0.10 UJ	40	0.67	< 1.0 U	39 J	20	4.4	0.59
MW-77-158	MW-77-158-Q421	N	LF		GW	12/2/2021		< 0.10 UJ	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		< 0.10 UJ	44	6.9	7.9	< 20 UJ	62	33	1.5
MW-77-187	MW-77-187-Q421	N	LF		GW	12/2/2021		< 0.10 UJ	40	2.5	3.1	50 J	50	250	1.2
MW-78-070	MW-78-070-Q421	N	LF		GW	12/15/2021	< 0.20 U	0.85	40	4400	4500	< 20 UJ	0.63	13	12
MW-78-142	MW-78-142-Q421	N	LF		GW	12/15/2021	< 0.20 U	< 0.10 U	31	5500	5400	31 J	4.2	21	9.9
MW-79-058	MW-79-058-Q421	N	LF		GW	12/15/2021	< 0.20 U	0.3	93	3200	3400	< 20 UJ	0.56	10	11
MW-79-102	MW-79-102-Q421	N	LF		GW	12/15/2021	< 0.20 U	1.5	37	2800	2800	< 20 UJ	5.2	29	16
MW-80-057	MW-80-057-Q421	N	LF		GW	12/15/2021	< 0.20 U	1.3	51	710	710	< 20 UJ	4.7	36	17
MW-80-082	MW-80-082-Q421	N	LF		GW	12/15/2021	< 0.20 U	1.5	33	1200	1200	< 20 UJ	0.87	26	13
MW-81-043	MW-81-043-Q421	N	LF		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	LF		GW	12/13/2021		< 0.10 U	70	1.2	1.7	41 J	140	3.4	0.58

PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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-43-025	MW-43-025-Q421	N	LF		GW	11/30/2021		< 0.50 U		1.2
MW-43-075	MW-43-075-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 1.0 U
MW-43-090	MW-43-090-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 1.0 U
MW-44-070	MW-44-070-Q421	N	LF		GW	12/8/2021		< 0.50 U		< 1.0 U
MW-44-115	MW-44-115-Q421	N	LF		GW	12/8/2021		< 0.50 U		< 1.0 U
MW-44-125	MW-44-125-Q421	N	LF		GW	12/8/2021		< 0.50 U		< 1.0 U
MW-45-095a	MW-45-095A-Q421	N	LF		GW	12/1/2021		< 0.50 U		< 1.0 U
MW-46-175	MW-46-175-Q421	N	LF		GW	12/8/2021		0.56		< 1.0 U
MW-46-205	MW-46-205-Q421	N	LF		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	LF		GW	12/6/2021				
MW-47-115	MW-47-115-Q421	N	LF		GW	12/6/2021				
MW-49-135	MW-49-135-Q421	N	LF		GW	12/2/2021				
MW-49-275	MW-49-275-Q421	N	LF		GW	12/2/2021				
MW-49-365	MW-49-365-Q421	N	LF		GW	12/2/2021				
MW-51	MW-51-Q421	N	LF		GW	12/15/2021	< 5.0 U	34 J	720	< 1.0 U
MW-51	MW-934-Q421	FD		MW-51-Q421	GW	12/15/2021	< 5.0 U	33 J	720	< 1.0 U
MW-52D	MW-52D-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 50 U
MW-52M	MW-52M-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 1.0 U
MW-52S	MW-52S-Q421	N	LF		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	LF		GW	11/30/2021		< 0.50 U		< 1.0 U
MW-53M	MW-53M-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 1.0 U
MW-53S	MW-53S-Q421	N	LF		GW	11/30/2021		< 0.50 U		< 1.0 U
MW-71-035	MW-71-035-Q421	N	LF		GW	12/16/2021	< 5.0 U	< 0.50 U	1200	< 1.0 U
MW-75-033	MW-75-033-Q421	N	LF		GW	11/29/2021				
MW-75-117	MW-75-117-Q421	N	LF		GW	11/29/2021				
MW-75-202	MW-75-202-Q421	N	LF		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	LF		GW	11/29/2021				
MW-75-337	MW-75-337-Q421	N	LF		GW	11/29/2021				
MW-76-039	MW-76-039-Q421	N	LF		GW	12/2/2021	< 2.5 U	2.8	190	< 1.0 U
MW-76-156	MW-76-156-Q421	N	LF		GW	12/2/2021	< 5.0 U	1.1	780	< 1.0 U
MW-76-181	MW-76-181-Q421	N	LF		GW	12/2/2021	< 5.0 U	1.7	870	< 1.0 U
MW-76-218	MW-76-218-Q421	N	LF		GW	12/2/2021	< 10 U	1	880	< 50 U
MW-77-046	MW-77-046-Q421	N	LF		GW	12/2/2021		3		1.5
MW-77-102	MW-77-102-Q421	N	LF		GW	12/2/2021		< 0.50 U		< 1.0 U
MW-77-158	MW-77-158-Q421	N	LF		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	LF		GW	12/2/2021		0.81		< 1.0 U
MW-78-070	MW-78-070-Q421	N	LF		GW	12/15/2021	< 2.5 U	9.2 J	370	< 1.0 U
MW-78-142	MW-78-142-Q421	N	LF		GW	12/15/2021	< 5.0 U	33 J	900	< 1.0 U
MW-79-058	MW-79-058-Q421	N	LF		GW	12/15/2021	< 5.0 U	9.4 J	410	< 5.0 U
MW-79-102	MW-79-102-Q421	N	LF		GW	12/15/2021	< 5.0 U	57 J	870	< 1.0 U
MW-80-057	MW-80-057-Q421	N	LF		GW	12/15/2021	< 5.0 U	31 J	520	< 1.0 U
MW-80-082	MW-80-082-Q421	N	LF		GW	12/15/2021	< 5.0 U	24 J	570	< 1.0 U
MW-81-043	MW-81-043-Q421	N	LF		GW	12/13/2021		2.6		< 1.0 U
MW-81-098	MW-81-098-Q421	N	LF		GW	12/13/2021		< 0.50 U		< 1.0 U

PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	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)
MW-82-046	MW-82-046-Q421	N	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		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	LF		GW	12/15/2021				< 1.0 U	< 1.0 U				
MW-97-042	MW-97-042-Q421	N	LF		GW	12/13/2021				4.4	6				
MW-97-202	MW-97-202-Q421	N	LF		GW	12/13/2021				< 1.0 U	< 1.0 U				
PT5D	PT5D-Q421	N	LF		GW	12/16/2021		1.5	20	31	29	< 20 U	31	100	< 0.10 U
PT5M	PT5M-Q421	N	LF		GW	12/16/2021		1.7	23	< 0.20 U	< 1.0 U	< 20 U	940	11	< 0.10 U
PT5S	PT5S-Q421	N	LF		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	EP		GW	12/16/2021	< 0.23 U	< 0.10 U	36	400	390	< 20 U	13	22	2.4
TW-04	TW-04-Q421	N	LF		GW	12/6/2021				9.1	9.3 J				

Notes:

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mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

PCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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-82-046	MW-82-046-Q421	N	LF		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	LF		GW	12/16/2021		< 0.50 U		< 1.0 U
MW-82-168	MW-82-168-Q421	N	LF		GW	12/16/2021		< 0.50 U		< 1.0 U
MW-82-198	MW-82-198-Q421	N	LF		GW	12/16/2021		< 0.50 U		< 1.0 U
MW-86-030	MW-86-030-Q421	N	LF		GW	12/14/2021		< 0.50 U		1.5
MW-86-066	MW-86-066-Q421	N	LF		GW	12/14/2021		< 0.50 U		< 1.0 U
MW-86-120	MW-86-120-Q421	N	LF		GW	12/14/2021		< 0.50 U		< 1.0 U
MW-86-140	MW-86-140-Q421	N	LF		GW	12/14/2021		< 0.50 U		< 1.0 U
MW-90-031	MW-90-031-Q421	N	LF		GW	12/8/2021		< 0.50 U		1.8
MW-96-045	MW-96-045-Q421	N	LF		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	LF		GW	12/15/2021				
MW-97-042	MW-97-042-Q421	N	LF		GW	12/13/2021				
MW-97-202	MW-97-202-Q421	N	LF		GW	12/13/2021				
PT5D	PT5D-Q421	N	LF		GW	12/16/2021		< 0.50 U		< 1.0 U
PT5M	PT5M-Q421	N	LF		GW	12/16/2021		< 0.50 U		< 1.0 U
PT5S	PT5S-Q421	N	LF		GW	12/16/2021		< 0.50 U		3
TW-03D	TW-03D-Q421	N	EP		GW	12/16/2021	< 5.0 U	3.4	500	< 1.0 U
TW-04	TW-04-Q421	N	LF		GW	12/6/2021				

Notes:

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J = estimated result

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

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)	Manganese, dissolved by Method EPA 200.8 (µg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)
TW-03D	TW-03D-1121	N	EP	GW	11/2/2021	150	230 J	2100	400	390	< 20 U	30	10	2.6

Notes:

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mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

PCM 2021-11 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	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	EP	GW	11/2/2021	7.2	1400 J	7200	480	4500

Notes:

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EPA = Environmental Protection Agency

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Preliminary PCM 2022-02 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 C (mg/L)
MW-20-070	MW-20-070-0222	N	LF		GW	2/3/2022	2.1	32	520	< 20 U	4.6	21	330	< 1.0 U
MW-20-100	MW-20-100-0222	N	LF		GW	2/3/2022	1.6	31	1300	22	5.2	6	270	< 1.0 U
MW-20-130	MW-20-130-0222	N	LF		GW	2/3/2022	< 0.10 U	29	6000	< 20 U	5.3	9.3	870	< 1.0 U
MW-21	MW-21-0222	N	LF		GW	2/3/2022	6.4	32	6.7	770	40	4.8	1100	< 25 U
MW-26	MW-26-0222	N	LF		GW	2/2/2022	1.2	36	1800	37	6	12	400	< 5.0 U
MW-31-060	MW-31-060-0222	N	LF		GW	2/1/2022	6.9	480	< 1.0 U	31	7800	< 0.25 U	48	< 25 U
MW-31-135	MW-31-135-0222	N	LF		GW	2/1/2022	< 0.10 U	49	15	24	6.7	1.4	570	< 1.0 U
MW-51	MW-51-0222	N	LF		GW	2/2/2022	< 0.10 U	47	2600	150	5.3	6.8	660	< 1.0 U
MW-71-035	MW-71-035-0222	N	LF		GW	2/2/2022	< 0.10 U	47	< 1.0 U	120	5.7	< 0.50 U	1100	< 1.0 U
MW-76-039	MW-76-039-0222	N	LF		GW	1/31/2022	< 0.10 U	59	36	280	34	2.5	200	< 1.0 U
MW-76-156	MW-76-156-0222	N	LF		GW	1/31/2022	< 0.10 U	60	< 1.0 U	< 100 U	130	1.3	870	< 1.0 U
MW-76-181	MW-76-181-0222	N	LF		GW	1/31/2022	< 0.10 U	71	1500	< 20 U	64	2.1	850	< 1.0 U
MW-76-218	MW-76-218-0222	N	LF		GW	1/31/2022	< 0.10 U	74	370	< 100 U	350	1.3	870	< 1.0 U
MW-78-070	MW-914-Q122	FD		MW-78-070-0222	GW	2/1/2022	0.56	42	2700	< 20 U	3.2	7.2	300	< 1.0 U
MW-78-070	MW-78-070-0222	N	LF		GW	2/1/2022	0.54	42	2600	< 20 U	3	7.1	310	< 1.0 U
MW-78-142	MW-78-142-0222	N	LF		GW	2/1/2022	< 0.10 U	32	5800	72	6.4	8.6	890	< 1.0 U
MW-79-058	MW-79-058-0222	N	LF		GW	2/1/2022	0.7	96	2900	< 20 U	< 0.50 U	9.3	400	< 1.0 U
MW-79-102	MW-79-102-0222	N	LF		GW	2/1/2022	0.94	41	3500	390	3.1	16	890	< 1.0 U
MW-80-057	MW-80-057-0222	N	LF		GW	2/1/2022	1	54	780	< 20 U	2.8	16	510	< 1.0 U
MW-80-082	MW-915-Q122	FD		MW-80-082-0222	GW	2/1/2022	0.58	44	2000	< 20 U	0.71	10	550	< 1.0 U
MW-80-082	MW-80-082-0222	N	LF		GW	2/1/2022	0.54	44	2000	< 20 U	0.71	10	550	< 1.0 U

Notes:

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SM = standard method

SW = solid waste

U = analyte not detected

PMP 2021-10 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)	Manganese, dissolved by Method EPA 200.8 (µg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)
TW-03D	TW-03D-1021	N	EP	GW	10/7/2021	150	210	2100	390	380	< 20 U	28	7.1	2.4 J

Notes:

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N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

PMP 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	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-1021	N	EP	GW	10/7/2021	7.2	1500 J	7300	480	4400

Notes:

All samples were sent to Asset for analyses.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter

µS/cm = microsiemens per centimeter

EPA = Environmental Protection Agency

GW = groundwater

J = estimated result

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Arsenic, dissolved by Method SW 6020A (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Chromium, total dissolved by Method SW 6020A (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020A (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
MW-09	MW-09-Q421	N	LF		GW	12/8/2021	0.38		170		170		1.6 J		6.2
MW-09	MW-915-Q421	FD		MW-09-Q421	GW	12/8/2021	0.52		170		180		2 J		6.7
MW-10	MW-10-Q421	N	LF		GW	12/8/2021	0.93		69		71		1.3 J		15
MW-10	MW-916-Q421	FD		MW-10-Q421	GW	12/8/2021	0.92		67		72		1.1 J		15
MW-10D	MW-10D-Q421	N	LF		GW	12/8/2021	< 0.10 U		88		89		< 0.50 UJ		1.8
MW-11	MW-11-Q421	N	LF		GW	12/9/2021	0.48 J		170		180		0.77		
MW-11D	MW-11D-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		150		150		< 0.50 U		
MW-12	MW-12-Q421	N	LF		GW	12/13/2021	35		2000		2000		0.64		9.7
MW-13	MW-13-Q421	N	LF		GW	12/7/2021	0.8 J		19		20		5.1 J		12
MW-13	MW-917-Q421	FD		MW-13-Q421	GW	12/7/2021	0.81 J		18		20		4.7 J		11
MW-14	MW-14-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		12		12		2.6 J		13
MW-15	MW-15-Q421	N	LF		GW	12/2/2021	1.2 J		13		13		< 0.50 U		
MW-19	MW-19-Q421	N	LF		GW	12/13/2021	0.3		43		48		2.8		
MW-23-060	MW-23-060-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		36		35		1.6		24
MW-23-060	MW-918-Q421	FD		MW-23-060-Q421	GW	12/9/2021	< 0.10 UJ		36		34		1.5		23
MW-23-080	MW-23-080-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		< 1.0 U		< 1.0 U		0.94		46
MW-24A	MW-24A-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		< 0.20 U		1.9		430		110
MW-24B	MW-24B-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		< 1.0 U		1.3		87		63
MW-24B	MW-919-Q421	FD		MW-24B-Q421	GW	12/9/2021	< 0.10 UJ		< 1.0 U		1.1		87		64
MW-24BR	MW-24BR-Q421	N	3V		GW	12/10/2021	< 0.10 U		< 1.0 U		< 1.0 U		79		
MW-25	MW-25-Q421	N	LF		GW	12/7/2021	0.75 J		70		80		3.6 J		14
MW-37D	MW-37D-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		6		7.4		< 0.50 UJ		68
MW-37S	MW-37S-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		7.8		8		5.7 J		16
MW-38D	MW-38D-Q421	N	LF		GW	12/8/2021	< 0.10 U		50		47		5.3 J		58
MW-38S	MW-38S-Q421	N	LF		GW	12/8/2021	7.2		15		17		3.4 J		8.2
MW-40D	MW-40D-Q421	N	LF		GW	12/6/2021	< 0.10 U		45		41 J		< 0.50 UJ		35
MW-40S	MW-40S-Q421	N	G		GW	12/6/2021	4.3		43		45 J		< 0.50 UJ		32
MW-40S	MW-920-Q421	FD		MW-40S-Q421	GW	12/6/2021	4.6		42		44 J		< 0.50 UJ		31
MW-41D	MW-41D-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		< 1.0 U		2.8		32 J		79
MW-41M	MW-41M-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		6.9		9		2.4 J		27
MW-41S	MW-41S-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		3.6		6.3		3.8 J		14
MW-41S	MW-921-Q421	FD		MW-41S-Q421	GW	12/7/2021	< 0.10 UJ		3.7		5.1		3.3 J		14
MW-48	MW-48-Q421	N	3V		GW	12/15/2021	< 0.10 U		< 1.0 U		1.8		34		9.9
MW-50-095	MW-50-095-Q421	N	LF		GW	12/13/2021	< 0.10 U		14		15		< 0.50 U		
MW-50-200	MW-50-200-Q421	N	LF		GW	12/13/2021	3.4		1900		1900		< 0.50 U		38
MW-54-085	MW-54-085-Q421	N	LF		GW	12/14/2021		< 10 U		< 1.0 U		< 10 U		689	
MW-54-140	MW-54-140-Q421	N	LF		GW	12/14/2021		< 10 U		< 1.0 U		< 10 U		< 100 U	
MW-54-195	MW-54-195-Q421	N	LF		GW	12/14/2021		< 10 U		< 1.0 U		< 10 U		285	
MW-55-045	MW-55-045-Q421	N	LF		GW	12/14/2021		6.35 J		< 0.20 U		< 1.0 U		625	
MW-55-120	MW-55-120-Q421	N	LF		GW	12/14/2021		< 10 U		7.96		< 10 U		< 100 U	
MW-55-120	MW-922-Q421	FD		MW-55-120-Q421	WATER	12/14/2021		< 10 U		7.95		< 10 U		< 100 U	
MW-56D	MW-56D-Q421	N	LF		GW	12/14/2021		< 10 U		< 1.0 U		< 10 U		804	
MW-56M	MW-56M-Q421	N	LF		GW	12/14/2021		< 10 U		< 1.0 U		< 10 U		784	
MW-56S	MW-56S-Q421	N	LF		GW	12/14/2021		< 10 U		< 0.20 U		< 10 U		1250	
MW-57-070	MW-57-070-Q421	N	LF		GW	12/10/2021	1.2		380		410		1.1		4
MW-57-185	MW-57-185-Q421	N	LF		GW	12/10/2021	< 0.10 U		< 1.0 U		< 1.0 U		3.2		78
MW-58BR	MW-58BR-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		6.4		7.3		350		25
MW-59-100	MW-59-100-Q421	N	LF		GW	12/15/2021	< 0.10 U		2000		2000		9.7		8

RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Molybdenum, dissolved by Method SW 6020A (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Selenium, dissolved by Method SW 6020A (µg/L)
MW-09	MW-09-Q421	N	LF		GW	12/8/2021			14	6.2	
MW-09	MW-915-Q421	FD		MW-09-Q421	GW	12/8/2021			14	6.4	
MW-10	MW-10-Q421	N	LF		GW	12/8/2021			11	6.1	
MW-10	MW-916-Q421	FD		MW-10-Q421	GW	12/8/2021			11	6.2	
MW-10D	MW-10D-Q421	N	LF		GW	12/8/2021			9.5	5.3	
MW-11	MW-11-Q421	N	LF		GW	12/9/2021					
MW-11D	MW-11D-Q421	N	LF		GW	12/9/2021					
MW-12	MW-12-Q421	N	LF		GW	12/13/2021			17	19	
MW-13	MW-13-Q421	N	LF		GW	12/7/2021			5.4	3	
MW-13	MW-917-Q421	FD		MW-13-Q421	GW	12/7/2021			5.5	2.8	
MW-14	MW-14-Q421	N	LF		GW	12/7/2021			3.7	2.1	
MW-15	MW-15-Q421	N	LF		GW	12/2/2021					
MW-19	MW-19-Q421	N	LF		GW	12/13/2021					
MW-23-060	MW-23-060-Q421	N	LF		GW	12/9/2021			5.7	5.3	
MW-23-060	MW-918-Q421	FD		MW-23-060-Q421	GW	12/9/2021			5.8	5	
MW-23-080	MW-23-080-Q421	N	LF		GW	12/9/2021			4.7	4.5	
MW-24A	MW-24A-Q421	N	LF		GW	12/9/2021			< 0.10 U	< 0.50 U	
MW-24B	MW-24B-Q421	N	LF		GW	12/9/2021			< 0.10 U	< 0.50 U	
MW-24B	MW-919-Q421	FD		MW-24B-Q421	GW	12/9/2021			< 0.10 U	< 0.50 U	
MW-24BR	MW-24BR-Q421	N	3V		GW	12/10/2021					
MW-25	MW-25-Q421	N	LF		GW	12/7/2021			10	6.2	
MW-37D	MW-37D-Q421	N	LF		GW	12/7/2021			1.4	1	
MW-37S	MW-37S-Q421	N	LF		GW	12/7/2021			1.2	0.8	
MW-38D	MW-38D-Q421	N	LF		GW	12/8/2021			1.5	0.83	
MW-38S	MW-38S-Q421	N	LF		GW	12/8/2021			7	3.9	
MW-40D	MW-40D-Q421	N	LF		GW	12/6/2021			1.3	1.1	
MW-40S	MW-40S-Q421	N	G		GW	12/6/2021			25	11	
MW-40S	MW-920-Q421	FD		MW-40S-Q421	GW	12/6/2021			25	11	
MW-41D	MW-41D-Q421	N	LF		GW	12/7/2021			< 0.10 U	0.65	
MW-41M	MW-41M-Q421	N	LF		GW	12/7/2021			0.58	< 0.50 U	
MW-41S	MW-41S-Q421	N	LF		GW	12/7/2021			2.5	2.2	
MW-41S	MW-921-Q421	FD		MW-41S-Q421	GW	12/7/2021			2.5	1.9	
MW-48	MW-48-Q421	N	3V		GW	12/15/2021			< 0.10 U	< 0.50 U	
MW-50-095	MW-50-095-Q421	N	LF		GW	12/13/2021					
MW-50-200	MW-50-200-Q421	N	LF		GW	12/13/2021			1.9	1.5	
MW-54-085	MW-54-085-Q421	N	LF		GW	12/14/2021	< 100 UJ	< 0.50 U			< 100 UJ
MW-54-140	MW-54-140-Q421	N	LF		GW	12/14/2021	< 100 UJ	0.605			< 100 UJ
MW-54-195	MW-54-195-Q421	N	LF		GW	12/14/2021	111 J	< 1.0 U			< 100 UJ
MW-55-045	MW-55-045-Q421	N	LF		GW	12/14/2021					
MW-55-120	MW-55-120-Q421	N	LF		GW	12/14/2021					
MW-55-120	MW-922-Q421	FD		MW-55-120-Q421	WATER	12/14/2021					
MW-56D	MW-56D-Q421	N	LF		GW	12/14/2021	< 100 UJ	< 1.0 U			< 100 UJ
MW-56M	MW-56M-Q421	N	LF		GW	12/14/2021	< 100 UJ	< 0.50 U			< 100 UJ
MW-56S	MW-56S-Q421	N	LF		GW	12/14/2021	< 100 UJ	< 0.20 U			< 100 UJ
MW-57-070	MW-57-070-Q421	N	LF		GW	12/10/2021			11	3.7	
MW-57-185	MW-57-185-Q421	N	LF		GW	12/10/2021			< 0.10 U	< 0.50 U	
MW-58BR	MW-58BR-Q421	N	LF		GW	12/9/2021			0.74	1.9	
MW-59-100	MW-59-100-Q421	N	LF		GW	12/15/2021			2.3	2.1	

RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Arsenic, dissolved by Method SW 6020A (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Chromium, total dissolved by Method SW 6020A (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020A (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
MW-60-125	MW-60-125-Q421	N	LF		GW	12/16/2021	< 0.10 U		480		480		6.1		19
MW-60BR-245	MW-60BR-245-Q421	N	LF		GW	12/16/2021	< 0.10 U		7.1		8.6		1.6		
MW-61-110	MW-61-110-Q421	N	LF		GW	12/10/2021	< 0.10 U		370		390		350		22
MW-62-065	MW-62-065-Q421	N	LF		GW	12/15/2021	< 0.10 U		580		610		< 0.50 U		11
MW-62-110	MW-62-110-Q421	N	3V		GW	12/1/2021	5.2		< 1.0 U		< 1.0 U		180		38
MW-62-190	MW-62-190-Q421	N	3V		GW	12/1/2021	< 0.10 U		< 1.0 U		< 1.0 U		570		29
MW-63-065	MW-63-065-Q421	N	LF		GW	12/16/2021	< 0.10 U		1.4		1.3		< 0.50 U		16
MW-64BR	MW-64BR-Q421	N	LF		GW	12/16/2021	< 0.10 U		< 1.0 U		< 1.0 U		1000		58
MW-65-160	MW-65-160-Q421	N	LF		GW	12/8/2021	< 0.10 U		300		310		0.97 J		23
MW-65-225	MW-65-225-Q421	N	LF		GW	12/8/2021	< 0.10 U		83		80		43 J		50
MW-65-225	MW-924-Q421	FD		MW-65-225-Q421	GW	12/8/2021	< 0.10 U		83		81		50 J		50
MW-66-165	MW-66-165-Q421	N	LF		GW	12/7/2021	0.49 J		350		350		< 0.50 UJ		5.4
MW-66-230	MW-66-230-Q421	N	LF		GW	12/7/2021	8.9 J		5000		5200		8.1 J		67
MW-66BR-270	MW-66BR-270-Q421	N	3V		GW	12/16/2021	< 0.10 U		< 1.0 U		1.9		820		
MW-67-185	MW-67-185-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		< 100 U		< 1.0 U		2000 J		47
MW-67-225	MW-67-225-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		2800		3000		1.2 J		42
MW-67-260	MW-67-260-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		810		760		1.7 J		60
MW-68-180	MW-68-180-Q421	N	LF		GW	12/7/2021	1.9 J		26000		28000		< 0.50 UJ		50
MW-68-240	MW-68-240-Q421	N	LF		GW	12/7/2021	< 0.10 UJ		1900		2000		12 J		25
MW-68-240	MW-925-Q421	FD		MW-68-240-Q421	GW	12/7/2021	< 0.10 UJ		1900		1900		12 J		24
MW-68BR-280	MW-68BR-280-Q421	N	3V		GW	12/2/2021	< 0.10 UJ		< 1.0 U		< 1.0 U		60		
MW-69-195	MW-69-195-Q421	N	LF		GW	12/8/2021	0.86		410		390		2.1 J		54
MW-70-105	MW-70-105-Q421	N	LF		GW	12/9/2021	3 J		210		220		2.8		62
MW-70BR-225	MW-70BR-225-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		1400		1400		14		19
MW-70BR-287	MW-70BR-287-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		350		340		< 0.50 U		
MW-72-080	MW-72-080-Q421	N	LF		GW	12/9/2021	4.4 J		71		66		31		72
MW-72BR-200	MW-72BR-200-Q421	N	LF		GW	12/9/2021	7.6 J		< 1.0 U		1.5		51		
MW-73-080	MW-73-080-Q421	N	LF		GW	12/9/2021	< 0.10 UJ		9.7		11		18		35
MW-74-240	MW-74-240-Q421	N	LF		GW	12/8/2021	6.5		< 0.20 U		< 1.0 U		7.4 J		46
MW-83-090	MW-83-090-Q421	N	LF		GW	12/16/2021	0.3		67		65		3.5		4
MW-83-180	MW-83-180-Q421	N	LF		GW	12/16/2021	< 0.10 U		6.2		8.4		1.1		33
MW-83-225	MW-83-225-Q421	N	LF		GW	12/16/2021	< 0.10 U		250		220		5.3		47
MW-83-245	MW-83-245-Q421	N	LF		GW	12/16/2021	< 0.10 U		3.6		4.1		42		64
MW-84-057	MW-84-057-Q421	N	LF		GW	11/29/2021	0.9		27		27		1.8		12
MW-84-095	MW-84-095-Q421	N	LF		GW	11/29/2021	< 0.10 U		3.4		4.2		5.8		5.4
MW-84-132	MW-84-132-Q421	N	LF		GW	11/29/2021	< 0.10 U		2.4		2.6		0.74		16
MW-84-193	MW-84-193-Q421	N	LF		GW	11/29/2021	2.2		14		15		82		58
MW-85-129	MW-85-129-Q421	N	LF		GW	11/30/2021	0.65		130		140		< 0.50 U		5
MW-85-217	MW-85-217-Q421	N	LF		GW	11/30/2021	< 0.10 U		490		500		3		86
MW-85-237	MW-85-237-Q421	N	LF		GW	11/30/2021	< 0.10 U		240		250		12		85
MW-87-109	MW-87-109-Q421	N	LF		GW	11/30/2021	< 0.10 U		18		20		< 0.50 U		5.5
MW-87-139	MW-87-139-Q421	N	LF		GW	11/30/2021	< 0.10 U		9.8		9.9		< 0.50 U		4.7
MW-87-192	MW-87-192-Q421	N	LF		GW	11/30/2021	< 0.10 U		1.7		2.2		< 0.50 U		22
MW-87-275	MW-87-275-Q421	N	LF		GW	11/30/2021	< 0.10 U		1.3		1.8		< 0.50 U		43
MW-88-107	MW-88-107-Q421	N	LF		GW	12/8/2021	1.7		130		140		2 J		
MW-89-183	MW-89-183-Q421	N	LF		GW	12/6/2021	< 0.10 U		0.98		1.2 J		< 0.50 UJ		7
MW-89-273	MW-89-273-Q421	N	LF		GW	12/6/2021	3.5		0.52		1.4 J		1.8 J		32
MW-91-045	MW-91-045-Q421	N	LF		GW	12/14/2021		7 J		< 0.20 U		< 1.0 U		144	

RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Molybdenum, dissolved by Method SW 6020A (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Selenium, dissolved by Method SW 6020A (µg/L)
MW-60-125	MW-60-125-Q421	N	LF		GW	12/16/2021			3.8	5.8	
MW-60BR-245	MW-60BR-245-Q421	N	LF		GW	12/16/2021					
MW-61-110	MW-61-110-Q421	N	LF		GW	12/10/2021			0.63	11	
MW-62-065	MW-62-065-Q421	N	LF		GW	12/15/2021			5	3.4	
MW-62-110	MW-62-110-Q421	N	3V		GW	12/1/2021			< 0.10 U	< 0.50 U	
MW-62-190	MW-62-190-Q421	N	3V		GW	12/1/2021			< 0.10 U	< 0.50 U	
MW-63-065	MW-63-065-Q421	N	LF		GW	12/16/2021			1.3	0.74	
MW-64BR	MW-64BR-Q421	N	LF		GW	12/16/2021			< 0.10 U	< 0.50 U	
MW-65-160	MW-65-160-Q421	N	LF		GW	12/8/2021			16	10	
MW-65-225	MW-65-225-Q421	N	LF		GW	12/8/2021			2	1.8	
MW-65-225	MW-924-Q421	FD		MW-65-225-Q421	GW	12/8/2021			1.9	1.7	
MW-66-165	MW-66-165-Q421	N	LF		GW	12/7/2021			19	11	
MW-66-230	MW-66-230-Q421	N	LF		GW	12/7/2021			10	6.9	
MW-66BR-270	MW-66BR-270-Q421	N	3V		GW	12/16/2021					
MW-67-185	MW-67-185-Q421	N	LF		GW	12/7/2021			8.5	26	
MW-67-225	MW-67-225-Q421	N	LF		GW	12/7/2021			15	50	
MW-67-260	MW-67-260-Q421	N	LF		GW	12/7/2021			0.66	1.4	
MW-68-180	MW-68-180-Q421	N	LF		GW	12/7/2021			27	15	
MW-68-240	MW-68-240-Q421	N	LF		GW	12/7/2021			5.1	3.9	
MW-68-240	MW-925-Q421	FD		MW-68-240-Q421	GW	12/7/2021			5.1	3.4	
MW-68BR-280	MW-68BR-280-Q421	N	3V		GW	12/2/2021					
MW-69-195	MW-69-195-Q421	N	LF		GW	12/8/2021			16	11	
MW-70-105	MW-70-105-Q421	N	LF		GW	12/9/2021			5.1	4.5	
MW-70BR-225	MW-70BR-225-Q421	N	LF		GW	12/9/2021			3.4	2.2	
MW-70BR-287	MW-70BR-287-Q421	N	LF		GW	12/9/2021					
MW-72-080	MW-72-080-Q421	N	LF		GW	12/9/2021			1.2	1.5	
MW-72BR-200	MW-72BR-200-Q421	N	LF		GW	12/9/2021					
MW-73-080	MW-73-080-Q421	N	LF		GW	12/9/2021			3.5	3.8	
MW-74-240	MW-74-240-Q421	N	LF		GW	12/8/2021			0.27	< 0.50 U	
MW-83-090	MW-83-090-Q421	N	LF		GW	12/16/2021			5	3.1	
MW-83-180	MW-83-180-Q421	N	LF		GW	12/16/2021			0.55	0.54	
MW-83-225	MW-83-225-Q421	N	LF		GW	12/16/2021			0.55	< 0.50 U	
MW-83-245	MW-83-245-Q421	N	LF		GW	12/16/2021			< 0.10 U	< 0.50 U	
MW-84-057	MW-84-057-Q421	N	LF		GW	11/29/2021			8.7	3.7	
MW-84-095	MW-84-095-Q421	N	LF		GW	11/29/2021			1.3	0.86	
MW-84-132	MW-84-132-Q421	N	LF		GW	11/29/2021			1.1	1.1	
MW-84-193	MW-84-193-Q421	N	LF		GW	11/29/2021			0.93	1.1	
MW-85-129	MW-85-129-Q421	N	LF		GW	11/30/2021			16	9.6	
MW-85-217	MW-85-217-Q421	N	LF		GW	11/30/2021			2	3.4	
MW-85-237	MW-85-237-Q421	N	LF		GW	11/30/2021			1.6	2.4	
MW-87-109	MW-87-109-Q421	N	LF		GW	11/30/2021			5.1	2.9	
MW-87-139	MW-87-139-Q421	N	LF		GW	11/30/2021			1.3	1.1	
MW-87-192	MW-87-192-Q421	N	LF		GW	11/30/2021			1.1	1.3	
MW-87-275	MW-87-275-Q421	N	LF		GW	11/30/2021			1	1.1	
MW-88-107	MW-88-107-Q421	N	LF		GW	12/8/2021					
MW-89-183	MW-89-183-Q421	N	LF		GW	12/6/2021			2.8	2.5	
MW-89-273	MW-89-273-Q421	N	LF		GW	12/6/2021			2.7	3.7	
MW-91-045	MW-91-045-Q421	N	LF		GW	12/14/2021	< 10 UJ	0.303			< 10 UJ

RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Arsenic, dissolved by Method SW 6020A (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Chromium, total dissolved by Method SW 6020A (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020A (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
MW-91-120	MW-91-120-Q421	N	LF		GW	12/14/2021		< 10 U		7.67		< 10 U		162	
MW-91-170	MW-91-170-Q421	N	LF		GW	12/14/2021		< 10 U		1.66		< 10 U		256	
MW-91-320	MW-91-320-Q421	N	LF		GW	12/14/2021		< 10 U		< 2.0 U		< 10 U		1420	
MW-92-037	MW-92-037-Q421	N	LF		GW	12/14/2021		22.2 J		< 0.20 U		< 1.0 U		32.7	
MW-92-072	MW-92-072-Q421	N	LF		GW	12/14/2021		17.1 J		< 0.20 U		< 1.0 U		19.4	
MW-92-102	MW-92-102-Q421	N	LF		GW	12/14/2021		18.7 J		4.85		5.18 J		< 10 U	
MW-92-122	MW-92-122-Q421	N	LF		GW	12/14/2021		10.4 J		< 1.0 U		< 10 U		188	
MW-93-050	MW-93-050-Q421	N	LF		GW	12/13/2021	< 0.10 U		17		19		5.3		
MW-93-213	MW-93-213-Q421	N	LF		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 J		4.3
MW-95-157	MW-95-157-Q421	N	LF		GW	12/8/2021	< 0.10 U		8.6		11		5.7 J		3.8
MW-98-055	MW-98-055-Q421	N	LF		GW	12/16/2021	2.8		240		230		1.3		
MW-98-077	MW-98-077-Q421	N	LF		GW	12/16/2021	3		340		320		2.8		
PGE-08	PGE-08-Q421	N	3V		GW	12/8/2021	< 0.10 U		< 1.0 U		< 1.0 U		470 J		
PT8D	PT8D-Q421	N	LF		GW	12/10/2021	< 0.10 U		200		200		270		
PT9D	PT9D-Q421	N	LF		GW	12/10/2021	< 0.10 U		7000		6100		3.5		90
PT9M	PT9M-Q421	N	LF		GW	12/10/2021	< 0.10 U		64		87		110		7.2
PT9S	PT9S-Q421	N	LF		GW	12/10/2021	< 0.10 U		34		35		320		8.6
TW-01	TW-01-Q421	N	EP		GW	12/8/2021	0.76		1200		1300		< 0.50 UJ		31
TW-05	TW-05-Q421	N	LF		GW	12/13/2021	< 0.10 U		14		15		1.4		

Notes:

All samples were sent to Asset for analyses with the exception of the following samples. These samples were sent to EMAX Laboratory for analyses:

MW-54-085-Q421 MW-91-045-Q421
 MW-54-140-Q421 MW-91-120-Q421
 MW-54-195-Q421 MW-91-170-Q421
 MW-55-045-Q421 MW-91-320-Q421
 MW-55-120-Q421 MW-92-037-Q421
 MW-922-Q421 MW-92-072-Q421
 MW-56D-Q421 MW-92-102-Q421
 MW-56M-Q421 MW-92-122-Q421
 MW-56S-Q421

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

RCM 2021-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Molybdenum, dissolved by Method SW 6020A (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Selenium, dissolved by Method SW 6020A (µg/L)
MW-91-120	MW-91-120-Q421	N	LF		GW	12/14/2021	< 100 UJ	1.3			< 100 UJ
MW-91-170	MW-91-170-Q421	N	LF		GW	12/14/2021	130 J	0.655			< 100 UJ
MW-91-320	MW-91-320-Q421	N	LF		GW	12/14/2021	< 100 UJ	< 2.0 U			< 100 UJ
MW-92-037	MW-92-037-Q421	N	LF		GW	12/14/2021	12.9 J	< 0.10 U			< 10 UJ
MW-92-072	MW-92-072-Q421	N	LF		GW	12/14/2021	19 J	0.469			< 10 UJ
MW-92-102	MW-92-102-Q421	N	LF		GW	12/14/2021	33.3 J	1.23			< 10 UJ
MW-92-122	MW-92-122-Q421	N	LF		GW	12/14/2021	180 J	< 0.50 U			< 100 UJ
MW-93-050	MW-93-050-Q421	N	LF		GW	12/13/2021					
MW-93-213	MW-93-213-Q421	N	LF		GW	12/13/2021					
MW-95-113	MW-95-113-Q421	N			GW	12/8/2021			6.1	5.3	
MW-95-157	MW-95-157-Q421	N	LF		GW	12/8/2021			9.5	6.5	
MW-98-055	MW-98-055-Q421	N	LF		GW	12/16/2021					
MW-98-077	MW-98-077-Q421	N	LF		GW	12/16/2021					
PGE-08	PGE-08-Q421	N	3V		GW	12/8/2021					
PT8D	PT8D-Q421	N	LF		GW	12/10/2021					
PT9D	PT9D-Q421	N	LF		GW	12/10/2021			6.4	4.6	
PT9M	PT9M-Q421	N	LF		GW	12/10/2021			7.2	5.7	
PT9S	PT9S-Q421	N	LF		GW	12/10/2021			5	6	
TW-01	TW-01-Q421	N	EP		GW	12/8/2021			11	13	
TW-05	TW-05-Q421	N	LF		GW	12/13/2021					

Notes:

All samples were sent to Asset for analyses with the exception of the following samples. These samples were sent to EMAX Laboratory for analyses:

MW-54-085-Q421 MW-91-045-Q421
 MW-54-140-Q421 MW-91-120-Q421
 MW-54-195-Q421 MW-91-170-Q421
 MW-55-045-Q421 MW-91-320-Q421
 MW-55-120-Q421 MW-92-037-Q421
 MW-922-Q421 MW-92-072-Q421
 MW-56D-Q421 MW-92-102-Q421
 MW-56M-Q421 MW-92-122-Q421
 MW-56S-Q421

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

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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	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	R		Surface Water	11/17/2021	3.3	< 0.20 U	< 1.0 U	0.95	4.7 J	--	0.3	2
R63	R63-Q421	N	R		Surface Water	11/17/2021	2.8	< 0.20 U	< 1.0 U	1.8	4.4 J	--	0.3	1.7
RRB	RRB-Q421	N	R		Surface Water	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	Surface Water	11/18/2021	2.9 J	< 0.20 U	< 1.0 U	25	4.4	0.22	--	1.5
SW1	SW1-Q421	N	R		Surface Water	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	R		Surface Water	11/17/2021	2.3	< 0.20 U	< 1.0 U	7.6	5.1 J	--	< 0.050 U	0.99

Notes:

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Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicate

GW = groundwater

mg/L = milligrams per liter

N = Normal

R = river sample

SM = standard method

SW = solid waste

U = analyte not detected

Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, bicarb as CaCO3 by Method SM 2320 B (mg/L)	Alkalinity, carb as CaCO3 by Method SM 2320 B (mg/L)	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Aluminum by Method SW 6010B (µg/L)	Aluminum, dissolved by Method SW 6010B (µg/L)	Ammonia as nitrogen by Method A4500NH3G (mg/L)	Antimony by Method SW 6020 (µg/L)	Antimony, dissolved by Method SW 6020 (µg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	38	< 5.0 U	38	640	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	81	< 5.0 U	81	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	34	< 5.0 U	34	66	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	85	< 5.0 U	85	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	49	< 5.0 U	49	80	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	76	< 5.0 U	76	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	89	< 5.0 U	89	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	37	< 5.0 U	37	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	33	< 5.0 U	33	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	91	< 5.0 U	91	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	96	< 5.0 U	96	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	39	< 5.0 U	39	100	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	87	< 5.0 U	87	< 50 U	< 50 UJ	< 0.20 U	< 0.50 U	< 0.50 U
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	89	< 5.0 U	89	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	47	< 5.0 U	47	< 50 U	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	110	< 5.0 U	110	750	< 50 U	--	< 0.50 U	< 0.50 U
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	95	< 5.0 U	95	52	< 50 U	--	< 0.50 U	< 0.50 U

Notes:

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Acronyms and Abbreviations:

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GW = groundwater

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Arsenic by Method SW 6020 (µg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Beryllium by Method SW 6020 (µg/L)	Beryllium, dissolved by Method SW 6020 (µg/L)	Oxygen Demand, 5-Day by Method SM5210B (mg/L)	Boron by Method SW 6010B (µg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	45	45	< 2.5 U	< 0.50 UJ	--	1700
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	56	52	< 0.50 U	< 0.50 UJ	--	550
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	5.7 J	< 0.10 UJ	54	51	< 2.5 U	< 0.50 UJ	--	1800
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	1.6 J	< 0.10 UJ	72	64	< 0.50 U	< 0.50 UJ	--	590
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	75	68	< 2.5 U	< 0.50 UJ	--	1400
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	79	75	< 0.50 U	< 0.50 UJ	--	780
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	4.5 J	0.56 J	60	53	< 0.50 U	< 0.50 UJ	--	470
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	72	69	< 2.5 U	< 0.50 UJ	--	1900
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	97	96	< 0.50 U	< 0.50 UJ	--	1400
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	3.4 J	0.91 J	48	53	< 0.50 U	< 0.50 UJ	--	450
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	13 J	1.3 J	50	40	< 0.50 U	< 0.50 UJ	--	370
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	7.1 J	< 0.10 UJ	250	230	< 2.5 U	< 0.50 UJ	--	1800
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	2.7 J	0.92 J	55	51	< 0.50 UJ	< 0.50 UJ	< 1.5 UJ	620
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	4.6 J	0.91 J	38	30	< 0.50 U	< 0.50 UJ	--	500
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	49	41	< 0.50 U	< 0.50 UJ	--	1800
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	6.3 J	1.2 J	100	41	< 0.50 U	< 0.50 UJ	--	700
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	< 0.10 UJ	< 0.10 UJ	58	34	< 0.50 U	< 0.50 UJ	--	1800

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Boron, dissolved by Method SW 6010B (mg/L)	Bromide by Method EPA 300.0 (mg/L)	Cadmium by Method SW 6020 (µg/L)	Cadmium, dissolved by Method SW 6020 (µg/L)	Calcium by Method SW 6010B (µg/L)	Calcium, dissolved by Method SW 6010B (mg/L)	Chloride by Method EPA 300.0 (mg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	1.7	< 5.0 U	< 0.50 U	< 0.50 U	420000	460	7100
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	0.56	< 5.0 U	< 0.50 U	< 0.50 U	180000	180	1200
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	1.7	< 5.0 U	< 0.50 U	< 0.50 U	410000	430	7000
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	0.6	< 5.0 U	< 0.50 U	< 0.50 U	150000	170	1300
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	1.3	< 5.0 U	< 0.50 U	< 0.50 U	600000 J	600	6600
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	0.81	< 5.0 U	< 0.50 U	< 0.50 U	230000	260	1900
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	0.5	< 5.0 U	< 0.50 U	< 0.50 U	110000	130	760
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	2	< 5.0 U	< 0.50 U	< 0.50 U	460000 J	470	7700
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	1.5	< 5.0 U	< 0.50 U	< 0.50 U	490000	490	6200
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	0.34	< 5.0 U	< 0.50 U	< 0.50 U	93000 J	100	610
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	0.34	< 5.0 U	< 0.50 U	< 0.50 U	68000	76	470
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	1.7	< 5.0 U	< 0.50 U	< 0.50 U	600000 J	640	7300
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	0.63 J	< 5.0 U	< 0.50 U	< 0.50 U	170000	170	990
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	0.53	< 5.0 U	< 0.50 U	< 0.50 U	100000 J	110	490
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	0.9	< 5.0 U	< 0.50 U	< 0.50 U	430000 J	160	5600
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	0.77	< 5.0 U	< 0.50 U	< 0.50 U	100000 J	99	510
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	1.6	< 5.0 U	< 0.50 U	< 0.50 U	200000	150	1500

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total by Method SW 6020 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)	Cobalt by Method SW 6020 (µg/L)	Cobalt, dissolved by Method SW 6020 (µg/L)	Copper by Method SW 6020 (µg/L)	Copper, dissolved by Method SW 6020 (µg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	590	630	690	< 0.50 U	< 0.50 U	2.9 J	1.7 J
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	65	130	77	0.9	< 0.50 U	1.3 J	< 1.0 UJ
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	220	1300	300	1.3	< 0.50 U	14 J	1.2 J
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	91	410	87	2.4	< 0.50 U	4.1 J	< 1.0 UJ
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	65	760	67	0.75	< 0.50 U	4.6 J	< 1.0 UJ
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	20	48	21	< 0.50 U	< 0.50 U	< 1.0 UJ	< 1.0 UJ
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	300	1400	270	3.4	< 0.50 U	15 J	< 1.0 UJ
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	1400	2400	1500	4.1	1.4	11 J	1.3 J
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	52	1000	290	24	8.1	25 J	4.2 J
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	140	890	130	2.4	1.2	9.4 J	2.5 J
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	270	3600	180	6.2	< 0.50 U	36 J	< 1.0 UJ
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	2900	4700	2900	6.9	0.73	20 J	2.2 J
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	150	370	150	4.6	< 0.50 U	3.4 J	< 1.0 UJ
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	2000	6300	2000	6	< 0.50 U	37 J	< 1.0 UJ
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	3700	4000	810	2.9	0.95	4.8 J	1.3 J
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	3200	4000	3200	9.6	< 0.50 U	17 J	< 1.0 UJ
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	520	1200	410	3.7	2.6	5.7 J	< 1.0 UJ

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Fluoride by Method EPA 300.0 (mg/L)	Hardness, Calcium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, Magnesium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, total as CaCO3 by Method SM 2340 B (mg/L)	Iron by Method SW 6010B (µg/L)	Iron Related Bacteria by Method BART (CFU/mL)	Iron, dissolved by Method SW 6010B (µg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	4.2	--	--	--	140 J	35000	23
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	2.8	--	--	--	180 J	9000	< 20 U
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	4.5	--	--	--	2200 J	35000	< 20 U
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	3.3	--	--	--	970 J	35000	< 20 U
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	2.8	--	--	--	1700 J	35000	< 20 U
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	2.8	--	--	--	55 J	35000	21
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	3	--	--	--	2200 J	35000	< 20 U
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	4.7	--	--	--	1800 J	9000	< 20 U
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	3.6	--	--	--	3000 J	500	390
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	2.2	--	--	--	1500 J	500	< 20 U
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	1.9	--	--	--	4800 J	9000	< 20 U
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	4.6	--	--	--	3500 J	9000	< 20 U
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	2	430	110	540	690	2200	91 J
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	1.4	--	--	--	1700 J	9000	< 20 U
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	4.2	--	--	--	250 J	9000	< 20 U
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	1.8	--	--	--	1900 J	500	< 20 U
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	1.5	--	--	--	1200 J	9000	31

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Lead by Method SW 6020 (µg/L)	Lead, dissolved by Method SW 6020 (µg/L)	Magnesium by Method SW 6010B (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Mercury by Method EPA 7470A (µg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	< 1.0 U	< 1.0 U	14000 J	23	26	14	< 0.20 U
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	27000 J	26	5.3	0.97	< 0.20 U
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	14000 J	17	24	14	< 0.20 U
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	30000 J	29	18	2.2	< 0.20 U
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	40000 J	40	40	32	< 0.20 U
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	32000 J	34	1.9	0.59	< 0.20 U
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	16000 J	17	31	2.6	< 0.20 U
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	15000 J	16	73	56	< 0.20 U
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	20000 J	21	260	110	< 0.20 U
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	18000 J	19	17	10	< 0.20 U
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	18000 J	21	56	< 0.50 U	< 0.20 U
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	2	< 1.0 U	25000 J	24	79	15	< 0.20 U
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	< 1.0 U	< 1.0 U	25000 J	26 J	29	< 0.50 U	< 0.20 U
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	19000 J	19	51	0.55	< 0.20 U
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	< 1.0 U	< 1.0 U	15000 J	17	83	18	< 0.20 U
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	36	< 1.0 U	16000 J	16	310	2.1	< 0.20 U
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	1.8	< 1.0 U	21000 J	25	150	34	< 0.20 U

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Mercury, dissolved by Method EPA 7470A (µg/L)	Modified Fouling Index by Method MFI (s/L2)	Molybdenum by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)	Nickel by Method SW 6020 (µg/L)	Nickel, dissolved by Method SW 6020 (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	< 0.20 U	--	58	45	< 25 UJ	< 25 UJ	1.4
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	< 0.20 U	--	26	19	46 J	18 J	2.3
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	< 0.20 U	--	92	58	< 1.0 UJ	< 1.0 UJ	1.2
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	< 0.20 U	--	17	10	85 J	41 J	2.5
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	< 0.20 U	--	57	30	< 1.0 UJ	< 1.0 UJ	1.3
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	< 0.20 U	--	20	14	4.4 J	< 1.0 UJ	1.5
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	< 0.20 U	--	75	21	40 J	6.6 J	3.9
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	< 0.20 U	--	100	84	< 1.0 UJ	< 1.0 UJ	1.4
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	< 0.20 U	--	67	45	340 J	96 J	1.2
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	< 0.20 U	--	59	11	54 J	30 J	4.2
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	< 0.20 U	--	170	10	66 J	9.4 J	4.6
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	< 0.20 U	--	79	51	< 1.0 UJ	< 1.0 UJ	2.2
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	< 0.20 U	7.5	11	6.7	16 J	9 J	5.5
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	< 0.20 U	--	330	16	140 J	52 J	12
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	< 0.20 U	--	64	17	< 1.0 UJ	57 J	2.8
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	< 0.20 U	--	36	22	87 J	7.6 J	7.3
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	< 0.20 U	--	65	12	150 J	130 J	5.1

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Nitrite as Nitrogen by Method EPA 300.0 (mg/L)	Orthophosphate, dissolved by Method EPA 300.0 (mg/L)	Potassium by Method SW 6010B (µg/L)	Potassium, dissolved by Method SW 6010B (mg/L)	Selenium by Method SW 6020 (µg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Silver by Method SW 6020 (µg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	< 5.0 U	--	39000 J	38 J	1.3	1.5	< 0.50 U
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	< 5.0 U	--	11000	10 J	2.1	2.1	< 0.50 U
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	< 5.0 U	--	41000 J	39 J	1.1	1	< 0.50 U
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	< 5.0 U	--	8900	9.1 J	2.4	1.7	< 0.50 U
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	< 5.0 U	--	37000 J	29 J	0.87	1.1	< 0.50 U
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	< 5.0 U	--	10000 J	11 J	1.5	1.3	< 0.50 U
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	< 5.0 U	--	5500 J	6.2 J	3.5	2.8	< 0.50 U
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	< 5.0 U	--	34000 J	34 J	1.6	1.6	< 0.50 U
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	< 5.0 U	--	33000 J	31 J	1.2	0.92	< 0.50 U
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	< 5.0 U	--	8000	8 J	3.2	2.7	< 0.50 U
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	< 5.0 U	--	6500 J	7.5 J	3.8	3.5	< 0.50 U
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	< 5.0 U	--	33000 J	32 J	2.3	2.4	< 0.50 U
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	< 5.0 U	< 1.0 U	10000	9.9 J	4.7	4.1	< 0.50 U
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	< 5.0 U	--	7800 J	7.8 J	9.2	8.6	< 0.50 U
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	< 5.0 U	--	34000	15 J	11	7.2	< 0.50 U
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	< 5.0 U	--	12000 J	12 J	7.9	7.3	< 0.50 U
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	< 5.0 U	--	30000	14 J	12	6.8	< 0.50 U

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Silver, dissolved by Method SW 6020 (µg/L)	Slime Forming Bacteria by Method BART (CFU/mL)	Sodium by Method SW 6010B (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)	Soluble silica, dissolved by Method SW 6010B (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Sulfate Reducing Bacteria by Method BART (CFU/mL)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	< 0.50 U	< 0.10 U	5800000	4900	--	920	325
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	< 0.50 U	20	540000	600 J	--	230	1400
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	< 0.50 U	67000	5900000	5200	--	900	< 0.10 U
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	< 0.50 U	13000	630000	870 J	--	250	< 0.10 U
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	< 0.50 U	67000	4800000	4900	--	1100	< 0.10 U
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	< 0.50 U	500	1200000	1200	--	350	< 0.10 U
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	< 0.50 U	440000	610000	650	--	200	< 0.10 U
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	< 0.50 U	67000	5700000	5600	--	830	< 0.10 U
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	< 0.50 U	2500	4500000	4600	--	720	< 0.10 U
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	< 0.50 U	67000	610000	400 J	--	180	< 0.10 U
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	< 0.50 U	67000	280000	400	--	180	< 0.10 U
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	< 0.50 U	13000	5300000	4300	--	840	< 0.10 U
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	< 0.50 U	2500	610000 J	580	21 J	220	0.1
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	< 0.50 U	13000	400000	380	--	270	325
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	< 0.50 U	500	3800000	420 J	--	790	< 0.10 U
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	< 0.50 U	500	460000	460	--	310	75
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	< 0.50 U	< 0.10 U	1100000	780 J	--	560	< 0.10 U

Notes:

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mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Sulfide by Method SM 4500-S D (mg/L)	Thallium by Method SW 6020 (µg/L)	Thallium, dissolved by Method SW 6020 (µg/L)	Total dissolved solids by Method SM 2540 C (mg/L)	Total Kjeldahl Nitrogen by Method EPA 351.2 (mg/L)	Total organic carbon by Method SM 5310 C (mg/L)	Total phosphorus as P by Method EPA 365.3 (mg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	--	< 0.50 U	< 0.50 U	13000	--	< 50 U	--
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	2400	--	< 1.0 U	--
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	13000	--	< 1.0 U	--
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	2600	--	< 1.0 U	--
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	12000	--	< 1.0 U	--
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	3600	--	< 1.0 U	--
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	1800	--	< 1.0 U	--
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	17000	--	< 1.0 U	--
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	11000	--	< 1.0 U	--
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	1600	--	< 1.0 U	--
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	1200	--	< 1.0 U	--
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	13000	--	< 1.0 U	--
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	< 0.10 U	< 0.50 U	< 0.50 U	2200	0.23	< 10 U	< 0.020 U
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	1500	--	< 1.0 U	--
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	13000	--	< 1.0 U	--
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	1700	--	< 1.0 U	--
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	--	< 0.50 U	< 0.50 U	6800	--	< 1.0 U	--

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Remediation Well Baseline Samp 2021-12

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Vanadium by Method SW 6020 (µg/L)	Vanadium, dissolved by Method SW 6020 (µg/L)	Zinc by Method SW 6020 (µg/L)	Zinc, dissolved by Method SW 6020 (µg/L)
IRZ-15	IRZ-15-055-122021	N	EP	GW	12/20/2021	4.3	3.7	< 10 UJ	< 10 U
IRZ-15	IRZ-15-200-122021	N		GW	12/20/2021	3.9	3.2	< 10 UJ	< 10 U
IRZ-16	IRZ-16-055-122021	N		GW	12/20/2021	21	4.1	< 10 UJ	< 10 U
IRZ-16	IRZ-16-087-122021	N		GW	12/20/2021	9.8	5	< 10 UJ	< 10 U
IRZ-17	IRZ-17-057-122021	N		GW	12/20/2021	19	3.4	< 10 UJ	< 10 U
IRZ-17	IRZ-17-165-122021	N		GW	12/20/2021	6.1	5.7	< 10 UJ	< 10 U
IRZ-18	IRZ-18-059-122021	N		GW	12/20/2021	22	4.7	40 J	< 10 U
IRZ-18	IRZ-18-182-122021	N		GW	12/20/2021	12	2.4	37 J	< 10 U
IRZ-20	IRZ-20-071-122021	N		GW	12/20/2021	25	3.7	< 10 UJ	< 10 U
IRZ-20	IRZ-20-155-122021	N		GW	12/20/2021	21	6.1	< 10 UJ	< 10 U
IRZ-21	IRZ-21-065-122021	N		GW	12/20/2021	77	8.5	21 J	< 10 U
IRZ-21	IRZ-21-157-122021	N		GW	12/20/2021	62	6	< 10 UJ	< 10 U
IRZ-23	IRZ-23-143-122121	N		GW	12/21/2021	17	9.6	< 10 UJ	< 10 U
IRZ-25	IRZ-25-067-122021	N		GW	12/20/2021	47	5.7	< 10 UJ	< 10 U
IRZ-25	IRZ-25-166-122021	N		GW	12/20/2021	3	5	< 10 UJ	< 10 U
IRZ-27	IRZ-27-067-122021	N		GW	12/20/2021	28	6.1	150 J	< 10 U
IRZ-27	IRZ-27-137-122021	N		GW	12/20/2021	11	6	< 10 UJ	< 10 U

Notes:

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SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Alkalinity, bicarb as CaCO3 by Method SM 2320 B (mg/L)	Alkalinity, carb as CaCO3 by Method SM 2320 B (mg/L)	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Aluminum by Method SW 6010B (µg/L)	Aluminum, dissolved by Method SW 6010B (µg/L)	Ammonia as nitrogen by Method A4500NH3G (mg/L)	Antimony by Method SW 6020 (µg/L)	Antimony, dissolved by Method SW 6020 (µg/L)	Arsenic by Method SW 6020 (µg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	52	< 5.0 U	52	< 50 U	< 50 U	< 0.20 U	< 0.50 U	< 0.50 U	< 0.10 U
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	91	< 5.0 U	91	350	< 50 U		< 0.50 U	< 0.50 U	1
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	200	< 5.0 U	200	690	< 50 U		< 0.50 U	< 0.50 U	2.7
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	150	< 5.0 U	150	100	< 50 U		< 0.50 U	< 0.50 U	0.97
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	84	< 5.0 U	84	< 50 U	< 50 U		< 0.50 U	< 0.50 U	< 0.10 U
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	120	< 5.0 U	120	170	< 50 U		< 0.50 U	< 0.50 U	1.7
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	78	< 5.0 U	78	60	< 50 U		< 0.50 U	< 0.50 U	< 0.10 U
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	100	< 5.0 U	100	84	< 50 U		< 0.50 U	< 0.50 U	1.5
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	120	< 5.0 U	120	160	< 50 U		< 0.50 U	< 0.50 U	9.6
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	330	< 5.0 U	330	150	< 50 U		< 0.50 U	< 0.50 U	4.6

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Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Beryllium by Method SW 6020 (µg/L)	Beryllium, dissolved by Method SW 6020 (µg/L)	Oxygen Demand, 5-Day by Method SM5210B (mg/L)	Boron by Method SW 6010B (µg/L)	Boron, dissolved by Method SW 6010B (mg/L)	Bromide by Method EPA 300.0 (mg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	< 0.10 U	64	75	< 0.50 U	< 0.50 U	1.7	970	1	< 5.0 U
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	< 0.10 U	43	36	< 0.50 U	< 2.5 U		2000	2.1	< 5.0 U
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	1	50	78	< 0.50 U	< 0.50 U		2000	1	< 5.0 U
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	0.63	51	48	< 0.50 U	< 0.50 U		1000	0.96	< 5.0 U
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	< 0.10 U	48	41	< 0.50 U	< 2.5 U		1700	1.7	< 5.0 U
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	1.2	42	35	< 0.50 U	< 0.50 U		970	0.94	< 5.0 U
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	< 0.10 U	79	77	< 0.50 U	< 0.50 U		1700	1.6	< 5.0 U
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	0.76	57	50	< 0.50 U	< 0.50 U		920	0.93	< 5.0 U
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	1.8	65	57	< 0.50 U	< 0.50 U		950	0.93	< 5.0 U
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	2	39	32	< 0.50 U	< 0.50 U		1300	1.3	< 5.0 U

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Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Cadmium by Method SW 6020 (µg/L)	Cadmium, dissolved by Method SW 6020 (µg/L)	Calcium by Method SW 6010B (µg/L)	Calcium, dissolved by Method SW 6010B (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total by Method SW 6020 (µg/L)	Chromium, total dissolved by Method SW 6020 (µg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	< 0.50 U	< 0.50 U	310000	330	3000	19	18	18
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	290000	300	3400	3400	3900	3600
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	290000	160	1000	3500	7900	1100
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	180000	180	680	1500	1700	1600
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	270000	270	3300	2700	3300	2800
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	130000	140	1000	2200	2500	2200
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	420000	370	3900	2100	2600	1800
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	160000	160	1700	860	1800	1100
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	260000	250	2100	1200	2800	1400
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	< 0.50 U	< 0.50 U	99000	100	540	18	2200	24

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SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Cobalt by Method SW 6020 (µg/L)	Cobalt, dissolved by Method SW 6020 (µg/L)	Copper by Method SW 6020 (µg/L)	Copper, dissolved by Method SW 6020 (µg/L)	Fluoride by Method EPA 300.0 (mg/L)	Hardness, Calcium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, Magnesium (As CaCO3) by Method SM 2340 B (mg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	< 0.50 U	< 0.50 U	< 1.0 U	5.2	3.2	830	110
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	1.2	0.63	5.4	1.5	2.8		
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	2	1.1	8.7	1	1.3		
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	2.2	0.73	3	< 1.0 U	1.1		
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	6.8	7.1	7	1.9	3.6		
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	2.3	< 0.50 U	5.8	1	2.3		
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	3.1	0.56	6.8	1.3	2.9		
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	9.3	3.1	9.7	2.1	3.4		
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	13	1.1	24	2.1	2.1		
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	6.6	2.1	28	< 1.0 U	1.9		

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Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Hardness, total as CaCO3 by Method SM 2340 B (mg/L)	Iron by Method SW 6010B (µg/L)	Iron Related Bacteria by Method BART (CFU/mL)	Iron, dissolved by Method SW 6010B (µg/L)	Lead by Method SW 6020 (µg/L)	Lead, dissolved by Method SW 6020 (µg/L)	Magnesium by Method SW 6010B (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	940	< 20 U	9000	< 20 U	< 1.0 U	< 1.0 U	26000	27
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022		910	35000	< 20 U	< 1.0 U	< 1.0 U	15000	15
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022		2900	35000	< 20 U	1.2	< 1.0 U	15000	29
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022		590	35000	< 20 U	< 1.0 U	< 1.0 U	39000	38
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022		1600	35000	420	< 1.0 U	< 1.0 U	13000	13
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022		960	35000	< 20 U	< 1.0 U	< 1.0 U	25000	26
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022		1100	35000	< 20 U	< 1.0 U	< 1.0 U	23000	22
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022		1800	35000	92	< 1.0 U	< 1.0 U	15000	15
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022		5300	35000	< 20 U	< 1.0 U	< 1.0 U	21000	20
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022		3200	35000	890	< 1.0 U	< 1.0 U	13000	12

Notes:

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SW = solid waste

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Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Manganese by Method SW 6020 (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	Mercury by Method EPA 7470A (µg/L)	Mercury, dissolved by Method EPA 7470A (µg/L)	Modified Fouling Index by Method MFI (s/L2)	Molybdenum by Method SW 6020 (µg/L)	Molybdenum, dissolved by Method SW 6020 (µg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	2.6	2.7	< 0.20 U	< 0.20 U	3	13	13
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	32	23	< 0.20 U	< 0.20 U		59	31
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	36	120	< 0.20 U	< 0.20 U		180	22
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	15	6.5	< 0.20 U	< 0.20 U		33	24
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	68	79	< 0.20 U	< 0.20 U		66	37
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	14	< 0.50 U	< 0.20 U	< 0.20 U		120	91
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	35	12	< 0.20 U	< 0.20 U		84	56
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	76	35	< 0.20 U	< 0.20 U		120	73
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	110	26	< 0.20 U	< 0.20 U		140	54
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	370	370	< 0.20 U	< 0.20 U		280	140

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Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Nickel by Method SW 6020 (µg/L)	Nickel, dissolved by Method SW 6020 (µg/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrite as Nitrogen by Method EPA 300.0 (mg/L)	Orthophosphate, dissolved by Method EPA 300.0 (mg/L)	Potassium by Method SW 6010B (µg/L)	Potassium, dissolved by Method SW 6010B (mg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	< 25 U	< 25 U	1.8	< 5.0 U	< 1.0 U	21000	19
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	< 5.0 U	< 5.0 U	8.2	< 5.0 U		29000	28
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	< 1.0 U	16	4.1	< 5.0 U		29000	11
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	100	66	9	< 5.0 U		13000	12
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	280	300	9.2	< 5.0 U		28000	27
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	78	8.7	27	< 5.0 U		11000	11
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	80	< 1.0 U	6.7	< 5.0 U		35000	31
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	320	130	14	< 5.0 U		15000	15
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	110	16	10	< 5.0 U		20000	18
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	290	83	4.2	< 5.0 U		12000	12

Notes:

All samples were sent to Asset for analyses.

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Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicate

GW = groundwater

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Selenium by Method SW 6020 (µg/L)	Selenium, dissolved by Method SW 6020 (µg/L)	Silver by Method SW 6020 (µg/L)	Silver, dissolved by Method SW 6020 (µg/L)	Slime Forming Bacteria by Method BART (CFU/mL)	Sodium by Method SW 6010B (µg/L)	Sodium, dissolved by Method SW 6010B (mg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	0.92	0.83	< 0.50 U	< 0.50 U	0.1	2000000	1900
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	48	45	< 0.50 U	< 0.50 U	0.1	2700000	2500
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	47	4.5	< 0.50 U	< 0.50 U	0.1	2700000	450
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	9.5	9.5	< 0.50 U	< 0.50 U	2500	470000	460
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	47	42	< 0.50 U	< 0.50 U	100	2600000	2600
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	69	62	< 0.50 U	< 0.50 U	500	990000	940
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	6.4	16	< 0.50 U	< 0.50 U	20	3900000	2700
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	36	37	< 0.50 U	< 0.50 U	13000	1400000	1400
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	11	12	< 0.50 U	< 0.50 U	67000	1300000	1200
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	4.2	4.3	< 0.50 U	< 0.50 U	13000	640000	650

Notes:

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Acronyms and Abbreviations:

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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

Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Soluble silica, dissolved by Method SW 6010B (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Sulfate Reducing Bacteria by Method BART (CFU/mL)	Sulfide by Method SM 4500-S D (mg/L)	Thallium by Method SW 6020 (µg/L)	Thallium, dissolved by Method SW 6020 (µg/L)	Total dissolved solids by Method SM 2540 C (mg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	31	480	0.1	< 0.10 U	< 0.50 U	< 0.50 U	6800
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022		770	0.1		< 0.50 U	< 0.50 U	6400
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022		400	0.1		< 0.50 U	< 0.50 U	1900
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022		400	6000		< 0.50 U	< 0.50 U	2000
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022		740	0.1		< 0.50 U	< 0.50 U	6600
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022		620	325		< 0.50 U	< 0.50 U	2900
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022		690	0.1		< 0.50 U	< 0.50 U	8200
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022		590	0.1		< 0.50 U	< 0.50 U	3700
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022		480	75		< 0.50 U	< 0.50 U	4500
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022		470	325		< 0.50 U	< 0.50 U	1800

Notes:

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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

Unvalidated Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Total Kjeldahl Nitrogen by Method EPA 351.2 (mg/L)	Total organic carbon by Method SM 5310 C (mg/L)	Total phosphorus as P by Method EPA 365.3 (mg/L)	Vanadium by Method SW 6020 (µg/L)	Vanadium, dissolved by Method SW 6020 (µg/L)	Zinc by Method SW 6020 (µg/L)	Zinc, dissolved by Method SW 6020 (µg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	0.22	< 1.0 U	< 0.020 U	2.9	3	< 10 U	< 10 U
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022		< 1.0 U		5.6	1.8	< 10 U	< 10 U
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022		< 1.0 U		17	3.9	< 10 U	< 10 U
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022		< 5.0 U		4.9	3.9	16	< 10 U
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022		< 1.0 U		3.7	< 1.0 U	< 10 U	< 10 U
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022		< 1.0 U		6.8	4.2	12	< 10 U
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022		< 1.0 U		4.2	1.5	< 10 U	< 10 U
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022		< 1.0 U		8.1	1.9	< 10 U	< 10 U
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022		< 1.0 U		15	< 1.0 U	330	< 10 U
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022		2		15	1.2	57	< 10 U

Notes:

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Acronyms and Abbreviations:

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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-M5W19

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-M5W19-1121	N	LF		GW	11/2/2021						
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021						
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021						
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021						
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021						
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021						
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021						
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021						
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021						
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021						
TW-01	TW-01-M5W19-1121	N	EP		GW	11/2/2021	< 50 U	< 0.20 U	< 0.50 U	1.1	38 J	< 0.50 UJ
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

Notes:

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- µg/L = micrograms per liter
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- EPA = Environmental Protection Agency
- FD = field duplicates
- GW = groundwater
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected

TW-01 Extended Aquifer Test-M5W19

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-M5W19-1121	N	LF		GW	11/2/2021					< 0.20 U	
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021					< 0.20 U	
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021					< 1.0 U	
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021					< 0.20 U	
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021					< 0.20 U	
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021					< 0.20 U	
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021					< 0.20 U	
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021					< 0.20 U	
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021					36	
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021					< 0.20 U	
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021					1.2	
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021					< 1.0 U	
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021					5.2	
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021					34000	
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021						
TW-01	TW-01-M5W19-1121	N	EP		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

Notes:

Samples were sent to Asset for analyses 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
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- EPA = Environmental Protection Agency
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- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
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TW-01 Extended Aquifer Test-M5W19

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-M5W19-1121	N	LF		GW	11/2/2021						
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021						
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021						
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021						
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021						
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021						
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021						
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021						
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021						
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021			115	16.5		
TW-01	TW-01-M5W19-1121	N	EP		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

Notes:

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

TW-01 Extended Aquifer Test-M5W19

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 (mg/L)	Manganese, dissolved by Method (ug/L)	Mercury, dissolved by Method (ug/L)	Molybdenum, dissolved by Method (ug/L)	Nickel, dissolved by Method (ug/L)
MW-34-055	MW-34-055-M5W19-1121	N	LF		GW	11/2/2021						
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021						
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021						
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021						
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021						
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021						
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021						
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021						
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021						
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021						
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021						
TW-01	TW-01-M5W19-1121	N	EP		GW	11/2/2021	< 1.0 U	26 J	< 0.50 U	< 0.20 U	32	< 5.0 UJ
TW-01	MW-905-Q421	FD		TW-01-M5W19-1121	GW	11/2/2021	< 1.0 U	25 J	< 0.50 U	< 0.20 U	31	< 1.0 UJ

Notes:

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Acronyms and Abbreviations:

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

TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate/Nitrite as Nitrogen by Method (mg/L)	Oil and Grease by Method (mg/L)	pH by Method (PHUNITS)	Potassium, dissolved by Method (mg/L)	Rhodamine-clc by Method (ug/L)
MW-34-055	MW-34-055-M5W19-1121	N	LF		GW	11/2/2021					
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021					
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021					
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021					
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021					
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021					
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021					
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021					
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021					
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021					75.4
TW-01	TW-01-M5W19-1121	N	EP		GW	11/2/2021	11	< 4.1 U	7.4	18 J	0.063
TW-01	MW-905-Q421	FD		TW-01-M5W19-1121	GW	11/2/2021	11	< 4.1 U	7.4	18 J	0.077

Notes:

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- 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
- SM = standard method
- SW = solid waste
- U = analyte not detected

TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Selenium, dissolved by Method (ug/L)	Silver, dissolved by Method (ug/L)	Sodium, dissolved by Method (mg/L)	Specific conductance by Method (uS/cm)	Sulfate by Method (mg/L)
MW-34-055	MW-34-055-M5W19-1121	N	LF		GW	11/2/2021					
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021					
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021					
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021					
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021					
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021					
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021					
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021					
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021					
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021					
TW-01	TW-01-M5W19-1121	N	EP		GW	11/2/2021	13	< 0.50 UJ	1300 J	6300	510
TW-01	MW-905-Q421	FD		TW-01-M5W19-1121	GW	11/2/2021	14	< 0.50 UJ	1600 J	6300	510

Notes:

Samples were sent to Asset for analyses 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
 SM = standard method
 SW = solid waste
 U = analyte not detected

TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Thallium, dissolved by Method (ug/L)	Total dissolved solids by Method (mg/L)	Total organic carbon by Method (mg/L)	Total Suspended Solids (TSS) by Method (mg/L)	Vanadium, dissolved by Method (ug/L)
MW-34-055	MW-34-055-M5W19-1121	N	LF		GW	11/2/2021					
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021					
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021					
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021					
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021					
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021					
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021					
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021					
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021					
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021					
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021					
TW-01	TW-01-M5W19-1121	N	EP		GW	11/2/2021	< 0.50 U	3900	< 1.0 U	< 5.0 U	13
TW-01	MW-905-Q421	FD		TW-01-M5W19-1121	GW	11/2/2021	< 0.50 U	4000	< 1.0 U	< 5.0 U	13

Notes:

Samples were sent to Asset for analyses 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
 SM = standard method
 SW = solid waste
 U = analyte not detected

TW-01 Extended Aquifer Test-M5W19

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Zinc, dissolved by Method (ug/L)
MW-34-055	MW-34-055-M5W19-1121	N	LF		GW	11/2/2021	
MW-34-080	MW-34-080-M5W19-1121	N	LF		GW	11/2/2021	
MW-34-100	MW-34-100-M5W19-1121	N	LF		GW	11/2/2021	
MW-36-020	MW-36-020-M5W19-1121	N	LF		GW	11/1/2021	
MW-36-040	MW-36-040-M5W19-1121	N	LF		GW	11/1/2021	
MW-36-050	MW-36-050-M5W19-1121	N	LF		GW	11/1/2021	
MW-36-070	MW-36-070-M5W19-1121	N	LF		GW	11/1/2021	
MW-36-090	MW-36-090-M5W19-1121	N	LF		GW	11/1/2021	
MW-36-100	MW-36-100-M5W19-1121	N	LF		GW	11/1/2021	
MW-44-070	MW-44-070-M5W19-1121	N	LF		GW	11/2/2021	
MW-44-115	MW-44-115-M5W19-1121	N	LF		GW	11/2/2021	
MW-44-125	MW-44-125-M5W19-1121	N	LF		GW	11/2/2021	
MW-46-175	MW-46-175-M5W19-1121	N	LF		GW	11/2/2021	
MW-68-180	MW-68-180-M5W19-1121	N	LF		GW	11/2/2021	
TW-01	TW-01-M5W19-1121-CS	N			Charcoal	11/2/2021	
TW-01	TW-01-M5W19-1121	N	EP		GW	11/2/2021	< 10 U
TW-01	MW-905-Q421	FD		TW-01-M5W19-1121	GW	11/2/2021	< 10 U

Notes:

Samples were sent to Asset for analyses 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
- SM = standard method
- SW = solid waste
- U = analyte not detected

TW-01 Extended Aquifer Test-M5W20

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	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-CS	N			Charcoal	11/11/2021		5.47	1.99	6.31
TW-01	TW-01-M5W20-1121	N	EP		GW	11/11/2021	1300	0.073	0.039	0.153

Notes:

Samples were sent to Asset for analyses 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

N = Normal

TW-01 Extended Aquifer Test-M5W21

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)
MW-34-055	MW-34-055-M5W21-1121	N	LF		GW	11/19/2021				< 0.20 U			
MW-34-080	MW-34-080-M5W21-1121	N	LF		GW	11/19/2021				< 0.20 U			
MW-34-100	MW-34-100-M5W21-1121	N	LF		GW	11/19/2021				< 1.0 U			
MW-36-020	MW-36-020-M5W21-1121	N	LF		GW	11/18/2021				< 0.20 U			
MW-36-040	MW-36-040-M5W21-1121	N	LF		GW	11/18/2021				< 0.20 U			
MW-36-040	MW-906-Q421	FD		MW-36-040-M5W21-	GW	11/18/2021				< 0.20 U			
MW-36-050	MW-36-050-M5W21-1121	N	LF		GW	11/18/2021				< 0.20 U			
MW-36-070	MW-36-070-M5W21-1121	N	LF		GW	11/18/2021				< 0.20 U			
MW-36-090	MW-36-090-M5W21-1121	N	LF		GW	11/18/2021				< 0.20 U			
MW-36-100	MW-36-100-M5W21-1121	N	LF		GW	11/18/2021				8			
MW-44-070	MW-44-070-M5W21-1121	N	LF		GW	11/19/2021				< 0.20 U			
MW-44-115	MW-44-115-M5W21-1121	N	LF		GW	11/19/2021				1.1			
MW-44-125	MW-44-125-M5W21-1121	N	LF		GW	11/19/2021				< 0.20 U			
MW-46-175	MW-46-175-M5W21-1121	N	LF		GW	11/19/2021				4.2			
TW-01	TW-01-M5W21-1121-CS	N			Charcoal	11/15/2021						37.2	8.93
TW-01	TW-01-M5W21-1121	N	EP		GW	11/15/2021	1.7 J	240	1800	1300	1300	0.199	0.058

Notes:

Samples were sent to Asset for analyses 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
 J = estimated result
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected

TW-01 Extended Aquifer Test-M5W21

Location ID	Sample ID	Sample Type	Sample Method	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	LF		GW	11/19/2021							
MW-34-080	MW-34-080-M5W21-1121	N	LF		GW	11/19/2021							
MW-34-100	MW-34-100-M5W21-1121	N	LF		GW	11/19/2021							
MW-36-020	MW-36-020-M5W21-1121	N	LF		GW	11/18/2021							
MW-36-040	MW-36-040-M5W21-1121	N	LF		GW	11/18/2021							
MW-36-040	MW-906-Q421	FD		MW-36-040-M5W21-	GW	11/18/2021							
MW-36-050	MW-36-050-M5W21-1121	N	LF		GW	11/18/2021							
MW-36-070	MW-36-070-M5W21-1121	N	LF		GW	11/18/2021							
MW-36-090	MW-36-090-M5W21-1121	N	LF		GW	11/18/2021							
MW-36-100	MW-36-100-M5W21-1121	N	LF		GW	11/18/2021							
MW-44-070	MW-44-070-M5W21-1121	N	LF		GW	11/19/2021							
MW-44-115	MW-44-115-M5W21-1121	N	LF		GW	11/19/2021							
MW-44-125	MW-44-125-M5W21-1121	N	LF		GW	11/19/2021							
MW-46-175	MW-46-175-M5W21-1121	N	LF		GW	11/19/2021							
TW-01	TW-01-M5W21-1121-CS	N			Charcoal	11/15/2021					51.6		
TW-01	TW-01-M5W21-1121	N	EP		GW	11/15/2021	24 J	32 J	11	18 J	0.231	13	1200

Notes:

Samples were sent to Asset for analyses 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
- J = estimated result
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected

TW-01 Extended Aquifer Test-M5W21

Location ID	Sample ID	Sample Type	Sample Method	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	LF		GW	11/19/2021			
MW-34-080	MW-34-080-M5W21-1121	N	LF		GW	11/19/2021			
MW-34-100	MW-34-100-M5W21-1121	N	LF		GW	11/19/2021			
MW-36-020	MW-36-020-M5W21-1121	N	LF		GW	11/18/2021			
MW-36-040	MW-36-040-M5W21-1121	N	LF		GW	11/18/2021			
MW-36-040	MW-906-Q421	FD		MW-36-040-M5W21-	GW	11/18/2021			
MW-36-050	MW-36-050-M5W21-1121	N	LF		GW	11/18/2021			
MW-36-070	MW-36-070-M5W21-1121	N	LF		GW	11/18/2021			
MW-36-090	MW-36-090-M5W21-1121	N	LF		GW	11/18/2021			
MW-36-100	MW-36-100-M5W21-1121	N	LF		GW	11/18/2021			
MW-44-070	MW-44-070-M5W21-1121	N	LF		GW	11/19/2021			
MW-44-115	MW-44-115-M5W21-1121	N	LF		GW	11/19/2021			
MW-44-125	MW-44-125-M5W21-1121	N	LF		GW	11/19/2021			
MW-46-175	MW-46-175-M5W21-1121	N	LF		GW	11/19/2021			
TW-01	TW-01-M5W21-1121-CS	N			Charcoal	11/15/2021			
TW-01	TW-01-M5W21-1121	N	EP		GW	11/15/2021	6500	500	3800

Notes:

Samples were sent to Asset for analyses 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
- J = estimated result
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected

TW-01 Extended Aquifer Test-M5W22

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	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-CS	N			Charcoal	11/22/2021		0.244	0.078	0.508
TW-01	TW-01-M5W22-1121	N	EP		GW	11/22/2021	1200	17.7	5.36	32.5

Notes:

Samples were sent to Asset for analyses 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

EP = extraction port

EPA = Environmental Protection Agency

N = Normal

TW-01 Extended Aquifer Test-M6W23

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	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-CS	N			Charcoal	12/2/2021		36.3	9.1	103
TW-01	TW-01-M6W23-1221	N	EP		GW	12/2/2021	1200	0.302	0.076	0.594

Notes:

Samples were sent to Asset for analyses 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

EP = extraction port

EPA = Environmental Protection Agency

N = Normal