Hyd6 2022-01 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Aluminum, dissolved by method SW 6020A (µg/L)	Antimony, dissolved by method SW 6020A (µg/L)	Arsenic, dissolved by method SW 6020A (µg/L)	Barium, dissolved by method SW 6020A (µg/L)	Beryllium, dissolved by method SW 6020A (µg/L)	Boron, dissolved by method SW 6020A (mg/L)	Cadmium, dissolved by method SW 6020A (µg/L)
HNWR-01A-098	MW-924-Q122	FD		HNWR-01A-98-Q122	GW	2/16/2022	< 200 U	< 1.0 U	14.9	104	< 1.0 U	0.533	< 1.0 U
HNWR-01A-098	HNWR-01A-98-Q122	N			GW	2/16/2022	< 200 U	< 1.0 U	14.4	104	< 1.0 U	0.536	< 1.0 U
HNWR-01A-174	HNWR-01A-174-Q122	N	3V		GW	2/17/2022	< 200 U	< 1.0 U	14.6	100	< 1.0 U	0.548	< 1.0 U
MARINA-1	MW-925-Q122	FD		MARINA-1-Q122	GW	3/10/2022	< 2000 U	< 10 U	< 10 U	73.9	< 10 U	2.59	< 10 U
MARINA-1	MARINA-1-Q122	N	EP		GW	3/10/2022	< 2000 U	< 10 U	< 10 U	74.1	< 10 U	2.64	< 10 U
MTS-1	MTS-1-Q122	N	EP		GW	2/16/2022	< 200 U	< 1.0 U	20.7	65.8	< 1.0 U	0.667	< 1.0 U
MTS-2	MTS-2-Q122	N	EP		GW	2/16/2022	< 200 U	< 1.0 U	16.6	89.7	< 1.0 U	0.804	< 1.0 U
MW-94-030	MW-94-030-Q122	N	LF		GW	2/16/2022	< 200 U	< 1.0 U	4.08	58.5	< 1.0 U	0.585	< 1.0 U
MW-94-100	MW-94-100-Q122	N	LF		GW	2/16/2022	< 200 U	< 1.0 U	11.2	83.2	< 1.0 U	0.51	< 1.0 U
MW-94-175	MW-94-175-Q122	N	LF		GW	2/16/2022	< 200 U	< 1.0 U	11.2	97.8	< 1.0 U	0.432	< 1.0 U
MW-99-060	MW-99-060-Q122	N	LF		GW	2/15/2022	< 200 U	< 1.0 U	9.25	27.1	< 1.0 U	1.08	< 1.0 U
MW-99-140	MW-99-140-Q122	N	LF		GW	2/15/2022	< 200 U	1.03	4.32	52.2	< 1.0 U	0.645	< 1.0 U
PGE-09N	PGE-09N-Q122	N	3V		GW	2/15/2022	< 2000 U	< 10 U	38.4	64.7	< 10 U	2.15	< 10 U
PGE-09S	PGE-09S-Q122	N	3V		GW	2/15/2022	< 2000 U	< 10 U	< 10 U	45.9	< 10 U	2.09	< 10 U
Site B-165	SITE B-165-Q122	N	3V		GW	2/17/2022	< 200 U	< 1.0 U	16.1	116	< 1.0 U	0.347	< 1.0 U
Site B-220	SITE B-220-Q122	N	3V		GW	2/17/2022	< 200 U	< 1.0 U	16.8	117	< 1.0 U	0.34	< 1.0 U
Site B-285	SITE B-285-Q122	N	3V		GW	2/17/2022	< 200 U	< 1.0 U	17	118	< 1.0 U	0.336	< 1.0 U

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Hyd6 2022-01 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Calcium by method SW 6020A (µg/L)	Calcium, dissolved by method SW 6020A (mg/L)	Chloride by method EPA 300.0 (mg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020A (µg/L)	Cobalt, dissolved by method SW 6020A (µg/L)	Copper, dissolved by method SW 6020A (µg/L)
HNWR-01A-098	MW-924-Q122	FD		HNWR-01A-98-Q122	GW	2/16/2022	30,900	30.6	591	13.6	18	< 1.0 U	< 2.0 U
HNWR-01A-098	HNWR-01A-98-Q122	N			GW	2/16/2022	30,400	30.8	658	13.7	17.6	< 1.0 U	< 2.0 U
HNWR-01A-174	HNWR-01A-174-Q122	N	3V		GW	2/17/2022	29,400	29.7	563	14.1	17.1	< 1.0 U	< 2.0 U
MARINA-1	MW-925-Q122	FD		MARINA-1-Q122	GW	3/10/2022	367,000	316	11700	1.99	< 10 U	< 10 U	< 20 U
MARINA-1	MARINA-1-Q122	N	EP		GW	3/10/2022	378,000	313	12400	2.08	< 10 U	< 10 U	< 20 U
MTS-1	MTS-1-Q122	N	EP		GW	2/16/2022	90,400	91	938	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
MTS-2	MTS-2-Q122	N	EP		GW	2/16/2022	96,600	91.9	612	5.54	8.37	< 1.0 U	7.23
MW-94-030	MW-94-030-Q122	N	LF		GW	2/16/2022	57,000	58.2	306	20.1	23.4	< 1.0 U	< 2.0 U
MW-94-100	MW-94-100-Q122	N	LF		GW	2/16/2022	41,500	40.9	336	9	10.6	< 1.0 U	< 2.0 U
MW-94-175	MW-94-175-Q122	N	LF		GW	2/16/2022	23,500	23.4	176	14.2	16.7	< 1.0 U	< 2.0 U
MW-99-060	MW-99-060-Q122	N	LF		GW	2/15/2022	51,100	50.6	451	< 0.20 U	1.04	< 1.0 U	< 2.0 U
MW-99-140	MW-99-140-Q122	N	LF		GW	2/15/2022	62,200	63.1	459	2.9	4.16	< 1.0 U	< 2.0 U
PGE-09N	PGE-09N-Q122	N	3V		GW	2/15/2022	201,000	192	3470	< 1.0 U	< 10 U	< 10 U	< 20 U
PGE-09S	PGE-09S-Q122	N	3V		GW	2/15/2022	175,000	176	3420	< 1.0 U	< 10 U	< 10 U	< 20 U
Site B-165	SITE B-165-Q122	N	3V		GW	2/17/2022	34,600	34.5	302	27.9	35.3	< 1.0 U	< 2.0 U
Site B-220	SITE B-220-Q122	N	3V		GW	2/17/2022	34,600	34.4	296	29	48	< 1.0 U	< 2.0 U
Site B-285	SITE B-285-Q122	N	3V		GW	2/17/2022	34,700	34.6	299	29.5	51.3	< 1.0 U	< 2.0 U

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Hyd6 2022-01 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Deuterium by method CFIRM (0/00)	Fluoride by method EPA 300.0 (mg/L)	Iron, dissolved by method SW 6020A (µg/L)	Lead, dissolved by method SW 6020A (µg/L)	Magnesium by method SW 6020A (µg/L)	Magnesium, dissolved by method SW 6020A (mg/L)	Manganese, dissolved by method SW 6020A (µg/L)
HNWR-01A-098	MW-924-Q122	FD		HNWR-01A-98-Q122	GW	2/16/2022	-74.4	4.65	< 100 U	< 1.0 U	2,350	2.27	< 10 U
HNWR-01A-098	HNWR-01A-98-Q122	N			GW	2/16/2022	-75	4.64	< 100 U	< 1.0 U	2,230	2.3	< 10 U
HNWR-01A-174	HNWR-01A-174-Q122	N	3V		GW	2/17/2022	-73.9	4.61	< 100 U	< 1.0 U	2,220	2.25	< 10 U
MARINA-1	MW-925-Q122	FD		MARINA-1-Q122	GW	3/10/2022		3.26	< 1000 U	< 10 U	9,760	8.92	< 100 U
MARINA-1	MARINA-1-Q122	N	EP		GW	3/10/2022		3.5	< 1000 U	< 10 U	9,570	8.92	< 100 U
MTS-1	MTS-1-Q122	N	EP		GW	2/16/2022	-74.9	5.08	< 100 U	< 1.0 U	3,000	2.84	< 10 U
MTS-2	MTS-2-Q122	N	EP		GW	2/16/2022	-75.7	5.48	178	< 1.0 U	3,150	3.17	21.8
MW-94-030	MW-94-030-Q122	N	LF		GW	2/16/2022	-71.4	3.86	< 100 U	< 1.0 U	12,400	12.5	< 10 U
MW-94-100	MW-94-100-Q122	N	LF		GW	2/16/2022	-73.9	3.5	< 100 U	< 1.0 U	6,140	6.07	< 10 U
MW-94-175	MW-94-175-Q122	N	LF		GW	2/16/2022	-72.7	4.06	< 100 U	< 1.0 U	1,540	1.55	< 10 U
MW-99-060	MW-99-060-Q122	N	LF		GW	2/15/2022	-71.9	3.12	138	< 1.0 U	18,600	18.7	123
MW-99-140	MW-99-140-Q122	N	LF		GW	2/15/2022	-73.5	3.85	< 100 U	< 1.0 U	9,940	9.88	12
PGE-09N	PGE-09N-Q122	N	3V		GW	2/15/2022	-75.9	3.72	6110	< 10 U	92,600	89.2	775
PGE-09S	PGE-09S-Q122	N	3V		GW	2/15/2022	-77.9	2.33	7430	< 10 U	107,000	107	510
Site B-165	SITE B-165-Q122	N	3V		GW	2/17/2022	-76.5	4.38	< 100 U	< 1.0 U	6,660	6.76	< 10 U
Site B-220	SITE B-220-Q122	N	3V		GW	2/17/2022	-75.5	4.44	< 100 U	< 1.0 U	6,780	6.72	< 10 U
Site B-285	SITE B-285-Q122	N	3V		GW	2/17/2022	-75.4	4.38	123	< 1.0 U	6,720	6.73	< 10 U

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Hyd6 2022-01 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Mercury, dissolved by method EPA 7470A (µg/L)	Molybdenum, dissolved by method SW 6020A (µg/L)	Nickel, dissolved by method SW 6020A (µg/L)	Nitrate by method EPA 300.0 (mg/L)	Oxygen 18 by method CFIRM (0/00)	Potassium by method SW 6020A (µg/L)	Potassium, dissolved by method SW 6020A (mg/L)
HNWR-01A-098	MW-924-Q122	FD		HNWR-01A-98-Q122	GW	2/16/2022	< 0.50 U	15.8	15.1	2.21	-10.05	6,930	7.14
HNWR-01A-098	HNWR-01A-98-Q122	N			GW	2/16/2022	< 0.50 U	15.7	14.6	2.28	-10.04	6,830	6.94
HNWR-01A-174	HNWR-01A-174-Q122	N	3V		GW	2/17/2022	< 0.50 U	15.7	14.7	2.22	-10.08	6,810	6.82
MARINA-1	MW-925-Q122	FD		MARINA-1-Q122	GW	3/10/2022	< 0.50 U	67.5	< 10 U	< 1.0 U		59,500	50.3
MARINA-1	MARINA-1-Q122	N	EP		GW	3/10/2022	< 0.50 U	66.7	< 10 U	< 1.0 U		61,500	49.6
MTS-1	MTS-1-Q122	N	EP		GW	2/16/2022	< 0.50 U	16.2	< 1.0 U	0.436	-10.1	8,400	8.49
MTS-2	MTS-2-Q122	N	EP		GW	2/16/2022	< 0.50 U	19.6	< 1.0 U	1.79	-10.01	7,540	7.6
MW-94-030	MW-94-030-Q122	N	LF		GW	2/16/2022	< 0.50 U	11.2	< 1.0 U	3.47	-9.58	6,220	6.24
MW-94-100	MW-94-100-Q122	N	LF		GW	2/16/2022	< 0.50 U	20.2	< 1.0 U	1.94	-9.75	6,410	6.43
MW-94-175	MW-94-175-Q122	N	LF		GW	2/16/2022	< 0.50 U	11	< 1.0 U	2.27	-10.01	5,220	5.26
MW-99-060	MW-99-060-Q122	N	LF		GW	2/15/2022	< 0.50 U	38.2	3.85	< 0.10 U	-9.58	12,000	12
MW-99-140	MW-99-140-Q122	N	LF		GW	2/15/2022	< 0.50 U	21.2	4.4	1.92	-9.83	8,750	8.82
PGE-09N	PGE-09N-Q122	N	3V		GW	2/15/2022	< 0.50 U	62.2	< 10 U	< 0.20 U	-9.76	14,100	13.4
PGE-09S	PGE-09S-Q122	N	3V		GW	2/15/2022	< 0.50 U	45.9	< 10 U	< 0.20 U	-9.92	16,100	16.3
Site B-165	SITE B-165-Q122	N	3V		GW	2/17/2022	< 0.50 U	14.7	40.5	2.61	-10.22	5,440	5.45
Site B-220	SITE B-220-Q122	N	3V		GW	2/17/2022	< 0.50 U	16.1	28.9	2.49	-10.22	5,420	5.41
Site B-285	SITE B-285-Q122	N	3V		GW	2/17/2022	< 0.50 U	13.7	26.5	2.47	-10.2	5,500	5.42

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Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	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)	Biological 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)	Cadmium by method SW 6020 (µg/L)	Cadmium, dissolved by method SW 6020 (µg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	64	75	< 0.50 UJ	< 0.50 UJ	1.7	970	1	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	43	36	< 0.50 UJ	< 2.5 U		2000	2.1 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	50	78	< 0.50 UJ	< 0.50 U		2000	1 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	51	48	< 0.50 UJ	< 0.50 U		1000	0.96 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	48	41	< 0.50 UJ	< 2.5 U		1700	1.7 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	42	35	< 0.50 UJ	< 0.50 U		970	0.94 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	79	77	< 0.50 UJ	< 0.50 U		1700	1.6 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	57	50	< 0.50 UJ	< 0.50 U		920	0.93 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	65	57	< 0.50 UJ	< 0.50 U		950	0.93 J	< 5.0 U	< 0.50 U	< 0.50 U
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	39	32	< 0.50 UJ	< 0.50 U		1300	1.3 J	< 5.0 U	< 0.50 U	< 0.50 U

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Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Calcium by method SW 6010B (µg/L)	Calcium, dissolved by method SW 6010B (mg/L)	Chloride by method EPA 300.0 (mg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	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-09	IRZ-09-100-012522	N	GW	1/25/2022	310000 J	330	3000	19	18	18	< 0.50 U	< 0.50 U	< 1.0 U	5.2 J
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	290000 J	300	3400	3400	3900	3600	1.2	0.63	5.4 J	1.5
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	290000 J	160	1000	3500	7900	1100	2	1.1	8.7 J	1
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	180000 J	180	680	1500	1700	1600	2.2	0.73	3 J	< 1.0 U
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	270000 J	270	3300	2700	3300	2800	6.8	7.1	7 J	1.9
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	130000 J	140	1000	2200	2500	2200	2.3	< 0.50 U	5.8 J	1
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	420000 J	370	3900	2100	2600	1800	3.1	0.56	6.8 J	1.3
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	160000 J	160	1700	860	1800	1100	9.3	3.1	9.7 J	2.1
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	260000 J	250	2100	1200	2800	1400	13	1.1	24 J	2.1
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	99000 J	100	540	18	2200	24	6.6	2.1	28 J	< 1.0 U

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Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	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)	Lead by method SW 6020 (µg/L)	Lead, dissolved by method SW 6020 (µg/L)	Magnesium by method SW 6010B (µg/L)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	3.2	830	110	940	< 20 U	9000	< 20 U	< 1.0 U	< 1.0 U	26000 J
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	2.8				910	35000	< 20 U	< 1.0 U	< 1.0 U	15000 J
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	1.3				2900	35000	< 20 U	1.2	< 1.0 U	15000 J
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	1.1				590	35000	< 20 U	< 1.0 U	< 1.0 U	39000 J
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	3.6				1600	35000	420	< 1.0 U	< 1.0 U	13000 J
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	2.3				960	35000	< 20 U	< 1.0 U	< 1.0 U	25000 J
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	2.9				1100	35000	< 20 U	< 1.0 U	< 1.0 U	23000 J
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	3.4				1800	35000	92	< 1.0 U	< 1.0 U	15000 J
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	2.1				5300	35000	< 20 U	< 1.0 U	< 1.0 U	21000 J
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	1.9				3200	35000	890	< 1.0 U	< 1.0 U	13000 J

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Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Magnesium, dissolved by method SW 6010B (mg/L)	Manganese by method SW 6020 (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Mercury by method EPA 7470A (µg/L)	Mercury, dissolved by method EPA 7470A (µg/L)	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)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	27	2.6	2.7	< 0.20 U	< 0.20 U	3	13	13	< 25 UJ	< 25 UJ
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	15 J	32	23	< 0.20 U	< 0.20 U		59	31	< 5.0 UJ	< 5.0 UJ
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	29 J	36	120	< 0.20 U	< 0.20 U		180	22	< 1.0 UJ	16 J
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	38 J	15	6.5	< 0.20 U	< 0.20 U		33	24	100 J	66 J
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	13 J	68	79	< 0.20 U	< 0.20 U		66	37	280 J	300 J
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	26 J	14	< 0.50 U	< 0.20 U	< 0.20 U		120	91	78 J	8.7 J
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	22 J	35	12	< 0.20 U	< 0.20 U		84	56	80 J	< 1.0 UJ
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	15 J	76	35	< 0.20 U	< 0.20 U		120	73	320 J	130 J
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	20 J	110	26	< 0.20 U	< 0.20 U		140	54	110 J	16 J
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	12 J	370	370	< 0.20 U	< 0.20 U		280	140	290 J	83 J

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Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	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)	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)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	1.8	< 5.0 U	< 1.0 U	21000 J	19 J	0.92	0.83	< 0.50 U	< 0.50 U	0.1
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	8.2	< 5.0 U		29000	28 J	48 J	45	< 0.50 U	< 0.50 U	0.1
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	4.1	< 5.0 U		29000	11 J	47 J	4.5	< 0.50 U	< 0.50 U	0.1
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	9	< 5.0 U		13000	12 J	9.5 J	9.5	< 0.50 U	< 0.50 U	2500
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	9.2	< 5.0 U		28000	27 J	47 J	42	< 0.50 U	< 0.50 U	100
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	27	< 5.0 U		11000	11 J	69 J	62	< 0.50 U	< 0.50 U	500
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	6.7	< 5.0 U		35000	31 J	6.4 J	16	< 0.50 U	< 0.50 U	20
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	14	< 5.0 U		15000	15 J	36 J	37	< 0.50 U	< 0.50 U	13000
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	10	< 5.0 U		20000	18 J	11 J	12	< 0.50 U	< 0.50 U	67000
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	4.2	< 5.0 U		12000	12 J	4.2 J	4.3	< 0.50 U	< 0.50 U	13000

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Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	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)	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)
IRZ-09	IRZ-09-100-012522	N	GW	1/25/2022	2000000	1900 J	31 J	480	0.1	< 0.10 U	< 0.50 U	< 0.50 U	6800	0.22 J
IRZ-29	IRZ-29-077-010422	N	GW	1/4/2022	2700000 J	2500		770	0.1		< 0.50 U	< 0.50 U	6400	
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	2700000 J	450		400	0.1		< 0.50 U	< 0.50 U	1900 J	
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	470000 J	460		400	6000		< 0.50 U	< 0.50 U	2000	
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	2600000 J	2600		740	0.1		< 0.50 U	< 0.50 U	6600	
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	990000 J	940		620	325		< 0.50 U	< 0.50 U	2900	
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	3900000 J	2700		690	0.1		< 0.50 U	< 0.50 U	8200	
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	1400000 J	1400		590	0.1		< 0.50 U	< 0.50 U	3700	
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	1300000 J	1200		480	75		< 0.50 U	< 0.50 U	4500	
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	640000 J	650		470	325		< 0.50 U	< 0.50 U	1800	

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Remediation Well Baseline Samp 2022-01

Location ID	Sample ID	Sample Type	Matrix	Sample Date	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	< 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 UJ
IRZ-29	IRZ-29-121-010422	N	GW	1/4/2022	< 1.0 U		17	3.9	< 10 U	< 10 UJ
IRZ-31	IRZ-31-077-010422	N	GW	1/4/2022	< 5.0 U		4.9	3.9	16	< 10 UJ
IRZ-31	IRZ-31-121-010422	N	GW	1/4/2022	< 1.0 U		3.7	< 1.0 U	< 10 U	< 10 UJ
IRZ-33	IRZ-33-077-010422	N	GW	1/4/2022	< 1.0 U		6.8	4.2	12	< 10 UJ
IRZ-33	IRZ-33-111-010422	N	GW	1/4/2022	< 1.0 U		4.2	1.5	< 10 U	< 10 UJ
IRZ-35	IRZ-35-088-010422	N	GW	1/4/2022	< 1.0 U		8.1	1.9	< 10 U	< 10 UJ
IRZ-37	IRZ-37-074-010422	N	GW	1/4/2022	< 1.0 U		15	< 1.0 U	330	< 10 UJ
IRZ-39	IRZ-39-039-010422	N	GW	1/4/2022	2		15	1.2	57	< 10 UJ

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Unvalidated Remediation Well Baseline Samp 2022-03

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)	Antimony by method SW 6020 (µg/L)	Antimony, dissolved by method SW 6020 (µg/L)	Arsenic by method SW 6020 (µg/L)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium by method SW 6020 (µg/L)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022	52	< 5.0 U	52	< 50 U	86	< 0.50 U	< 0.50 U	1.8	< 0.10 U	47
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	48	< 5.0 U	48	< 50 U	< 50 U	< 0.50 U	< 0.50 U	< 0.10 U	< 0.10 U	82

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Unvalidated Remediation Well Baseline Samp 2022-03

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Barium, dissolved by method SW 6020 (µg/L)	Beryllium by method SW 6020 (µg/L)	Beryllium, dissolved by method SW 6020 (µg/L)	Boron by method SW 6010B (µg/L)	Boron, dissolved by method SW 6010B (mg/L)	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)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022	44	< 0.50 U	< 0.50 U	1400	1.4	< 5.0 U	< 0.50 U	< 0.50 U	570000	450
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	76	< 0.50 U	< 0.50 U	1200	1.1	< 5.0 U	< 0.50 U	< 0.50 U	350000	430

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Unvalidated Remediation Well Baseline Samp 2022-03

Location ID	Sample ID	Sample Type	Matrix	Sample Date	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)	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)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022	6200	350	310	340	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	3.7	1100
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	2800	17	18	17	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	3.8	1100

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Unvalidated Remediation Well Baseline Samp 2022-03

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Hardness, Magnesium (As CaCO3) by method SM 2340 B (mg/L)	Hardness, total as CaCO3 by method SM 2340 B (mg/L)	Iron by method SW 6010B (µg/L)	Iron 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)	Manganese by method SW 6020 (µg/L)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022			< 20 U	9000	59	< 1.0 U	< 1.0 U	54000	52	63
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	150	1200	60	9000	< 20 U	< 1.0 U	< 1.0 U	29000	37	1.5

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Location ID	Sample ID	Sample Type	Matrix	Sample Date	Manganese, dissolved by method SW 6020 (µg/L)	Mercury by method EPA 7470A (µg/L)	Mercury, dissolved by method EPA 7470A (µg/L)	Molybdenum by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nickel by method SW 6020 (µg/L)	Nickel, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)	Orthophosphate, dissolved by method EPA 300.0 (mg/L)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022	62	< 0.20 U	< 0.20 U	32	34	< 25 U	< 25 U	1.5	< 5.0 U	< 1.0 U
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	< 0.50 U	< 0.20 U	< 0.20 U	15	15	< 1.0 U	< 1.0 U	1.6	< 5.0 U	< 1.0 U

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Unvalidated Remediation Well Baseline Samp 2022-03

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Potassium by method SW 6010B (µg/L)	Potassium, dissolved by method SW 6010B (mg/L)	Selenium by method SW 6020 (µg/L)	Selenium, dissolved by method SW 6020 (µg/L)	Silver by method SW 6020 (µg/L)	Silver, dissolved by method SW 6020 (µg/L)	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)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022	30000	29	1	0.96	< 0.50 U	< 0.50 U	20	4300000	4200	15
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	17000	16	0.83	0.86	< 0.50 U	< 0.50 U	500	2100000	2000	17

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Location ID	Sample ID	Sample Type	Matrix	Sample Date	Sulfate by method EPA 300.0 (mg/L)	Sulfate Reducing Bacteria by method BART (CFU/mL)	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 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)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022	950	0	< 0.50 U	< 0.50 U	12000	< 50 U	< 0.020 U	2.1	2.5	< 10 U
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	460	0	< 0.50 U	< 0.50 U	5600	< 1.0 U	< 0.020 U	3.8	3.9	< 10 U

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Unvalidated Remediation Well Baseline Samp 2022-03

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Zinc, dissolved by method SW 6020 (µg/L)
IRZ-13D	IRZ-13D-210-031022	N	GW	3/10/2022	< 10 U
IRZ-13S	IRZ-13S-095-031022	N	GW	3/10/2022	< 10 U

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