

				Contaminants of Concern							Organic Compounds in Soil																		
PROTECTION OF GROUNDWATER SOIL SCREENING LEVEL CONCENTRATION (mg/Kg)				500 mg/Kg)				0.0026	0.69	0.78	9.9	0.0081	0.0087	0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	5.9	0.54	0.98	0.006	0.019	0.0038	1.3	
Location	Sample Date	Sample Matrix	Matrix Notes	TPH (total volatile [C ₆ - C ₁₀] and extractable [C ₁₀ - C ₃₀] hydrocarbons)	TPH - GRO [G6 - C10] Low Fraction	TPH - DR0 [C10 - C28] High Fraction	TPH - OR0 [C28 - C36] Oil Fraction	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m-, and p- isomers = total xylenes)	1, 2, 4-trimethylbenzene	1, 3, 5-trimethylbenzene	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1, 2, 3-cd)pyrene	1-methylaphthalene	2-methylaphthalene	Naphthalene	Pyrene	
Garden Gulch 8"	03/23/22	Spill	20220323-LATHAM-SS POR@e'	746.2	608	124	14.2	3.08	33.3	2.21	40.1	4.46	4.85	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.00721	<0.00600	0.0974	0.317	0.185	<0.00600	
Garden Gulch 8"	03/23/22	Spill	20220323-LATHAM-SS W@e'	38.2	8.52	7.48	22.2	0.0378	0.168	0.0108	0.207	0.0181	0.0185	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	03/24/22	Spill	20220324-LATHAM SS-COMP-STOCK-I-N	1269	709	414	146	0.508	7.28	1.1	19.3	3.59	3.8	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.0171	<0.00600	0.216	0.735	0.337	<0.00600	
Garden Gulch 8"	03/24/22	Spill	20220324-LATHAM SS-COMP-STOCK-I-S	554	390	89.3	74.7	0.427	12.6	1.32	30.5	6.52	7.22	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.0128	<0.00600	0.145	0.489	0.217	<0.00600
Garden Gulch 8"	04/19/22	Spill	20220419-GARDEN GULCH 8" SSW@7"	<97.3	<0.100	18.8	78.4	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	0.0213	<0.00600	
Garden Gulch 8"	04/19/22	Spill	20220419-GARDEN GULCH 8" WSW@6.5'	<11.8	<0.100	<4.00	7.7	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 1@1"	186.715	0.115	66.6	120	0.00285	0.0244	<0.00250	0.0209	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 2@1"	34.48	1.27	9.41	23.8	0.0324	0.292	0.0184	0.336	0.0215	0.0232	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 3@1"	115.14	2.24	21.1	91.8	0.111	0.665	0.0463	1.5	0.101	0.122	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 4@1"	134.004	0.204	31.8	102	0.0057	0.0527	0.0038	0.0696	0.00617	0.0116	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 5@1"	<130.100	<0.100	22	108	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 1	<103.2	<0.100	<20.00	83.1	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 2	<55.6	<0.100	<20.00	35.5	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 3	<72.6	<0.100	<20.00	52.5	0.00121	0.0134	<0.00250	0.031	<0.00500	0.00713	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 4	<22.55	<0.100	6.65	15.8	<0.00100	<0.00500	<0.00250	<0.00650	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	06/03/22	Spill	20220603-GGS"-SILT TRAP 3@2'	<273.4	<0.100	31.3	242	<0.00100	<0.00500	<0.00250	0.0119	<0.00500	0.00775	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	
Garden Gulch 8"	06/03/22	Spill	20220603-GGS"-SILT TRAP 4@2'	<194.00	<0.100	45.9	148	<0.00100	0.00598	<0.00250	0.00668	<0.00500	<0.00500	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.0200	<0.0200	<0.0200	<0.00600	

				Soil Suitability for Reclamation				Metals in Soil									
PROTECTION OF GROUNDWATER SOIL SCREENING LEVEL CONCENTRATION (mg/Kg)				<4.0 mmhos/ cm	>6	6 - 8.3	2 mg/L	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Location	Sample Date	Sample Matrix	Matrix Notes	Electrical Conductivity (EC) (by saturated paste method)	Sodium Adsorption Ratio (SAR) by saturated paste method)	pH (by saturated paste method)	Boron (hot water soluble soil extract)	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Garden Gulch 8"	03/23/22	Spill	20220323-LATHAM-SS POR@8'	4.95	39.3	7.45	3.34	9.56	295	<0.500	<1.00	17.2	14.7	23.7	<2.00	<1.00	56.2
Garden Gulch 8"	03/23/22	Spill	20220323-LATHAM-SS W@6'	2.39	17.4	7.9	0.74	9.32	329	<0.500	<1.00	14.6	14.6	24.7	<2.00	<1.00	48.3
Garden Gulch 8"	03/24/22	Spill	20220324-LATHAM SS-COMP-STOCK-I-N	2.38	13.6	7.74	1.15	13.7	369	<0.500	<1.00	17.5	14.5	19.3	<2.00	<1.00	53.5
Garden Gulch 8"	03/24/22	Spill	20220324-LATHAM SS-COMP-STOCK-I-S	2.16	14	7.65	0.641	8.58	450	<0.735	<1.00	19.9	13.8	22.4	<2.94	<1.47	52.9
Garden Gulch 8"	04/19/22	Spill	20220419-GARDEN GULCH 8"-SSW@7'	0.103	0.874	7.69	0.204	50.4	634	0.674	2.94	50.2	29.3	37.1	<2.00	<1.00	62.9
Garden Gulch 8"	04/19/22	Spill	20220419-GARDEN GULCH 8"-WSW@6.5'	0.402	0.983	7.66	<0.200	7.32	208	<0.500	<0.100	16.5	13.3	19.1	<2.00	<1.00	52.7
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 1@1'	0.2	0.718	7.97	0.43	9.84	362	<0.500	<1.00	19.7	13.2	21	<2.00	<1.00	47.8
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 2@1'	0.239	0.754	7.97	0.235	8.91	263	0.502	<1.00	19.3	12.8	21.4	<2.00	<1.00	53.5
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 3@1'	2.49	2.43	7.03	0.33	84.6	887	2.98	2.89	62.6	28.2	67.9	3.95	<1.00	60.2
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 4@1'	0.429	3.89	8.55	1.22	8.43	403	0.577	<1.00	29.6	16.3	24.5	<2.00	<1.00	66.0
Garden Gulch 8"	04/28/22	Spill	20220428-GARDEN GULCH 8" SILT TRAP 5@1'	0.302	2	8.28	0.969	7.97	336	0.653	<1.00	22.7	15	21.4	<2.00	<1.00	57.2
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 1	0.172	0.674	7.83	0.378	25.3	677	<0.500	<1.00	26.4	20.4	22.5	<2.00	<1.00	34.2
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 2	0.249	0.642	7.63	0.204	14.9	467	<0.500	2.53	30.4	18.9	25	<2.00	<1.00	50.4
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 3	0.564	6.56	7.92	0.407	60.9	924	2.54	1.95	50.3	24.6	55.9	<2.00	<1.00	44.7
Garden Gulch 8"	05/16/22	Spill	20220516-GARDEN GULCH 8" SILT TRAP 4	0.506	2.78	8.46	0.405	9.43	361	<0.500	<1.00	20.8	13.7	19.2	<2.00	<1.00	61.8
Garden Gulch 8"	06/03/22	Spill	20220603-GG8"-SILT TRAP 3@2'	0.862	11.8	7.9	<0.200	69.9	876	0.896	1.64	55	26.4	39.8	2.14	<1.00	56.2
Garden Gulch 8"	06/03/22	Spill	20220603-GG8"-SILT TRAP 4@2'	0.352	4.58	8.2	0.363	8.11	410	0.527	2.12	38.4	25.6	24.8	<2.00	<1.00	75.7