

Facility #4 AE2
Soil Analytical Summary Table

Soil to Groundwater				benzene	toluene	ethylbenzene	Xylenes (total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	naphthalene
COGCC Table 915-1 Concentration Levels				0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
1.25*Background										
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample	Lab Sample ID	Sample Date	Background	benzene	toluene	ethylbenzene	Xylenes (total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	naphthalene
Source #1@6'	2204061-01	4/5/2022	FALSE	ND	ND	0.0058	ND	0.29	0.056	ND
BK-1@4'	2205381-01	5/25/2022	TRUE							
BK-1@8'	2205381-02	5/25/2022	TRUE							
BK-2@4'	2205381-03	5/25/2022	TRUE							
BK-2@8'	2205381-04	5/25/2022	TRUE							
BK-3@4'	2205381-05	5/25/2022	TRUE							
BK-3@8'	2205381-06	5/25/2022	TRUE							
BK-4@4'	2205381-07	5/25/2022	TRUE							
BK-4@8'	2205381-08	5/25/2022	TRUE							
BH-1@8'	2204436-07	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
BH-2@8'	2204436-08	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
BH-3@10'	2207039-01	7/6/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-1@7'	2204436-01	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-2@7'	2204436-02	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-3@7'	2204436-03	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-4@7'	2204436-04	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-5@7'	2204436-05	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-6@7'	2204436-06	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND

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Soil to Groundwater				Gasoline Range Hydrocarbons	C10-C28 (DRO)	C28-C36 (ORO)	TPH (Calculated)	acenaphthene	anthracene	benzo(a)anthracene
COGCC Table 915-1 Concentration Levels				500	500	500	500	0.55	5.8	0.011
1.25*Background										
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample	Lab Sample ID	Sample Date	Background	Gasoline Range Hydrocarbons	C10-C28 (DRO)	C28-C36 (ORO)	TPH (Calculated)	acenaphthene	anthracene	benzo(a)anthracene
Source #1@6'	2204061-01	4/5/2022	FALSE	4.5	150	ND	154.5	0.634	0.474	0.633
BK-1@4'	2205381-01	5/25/2022	TRUE							
BK-1@8'	2205381-02	5/25/2022	TRUE							
BK-2@4'	2205381-03	5/25/2022	TRUE							
BK-2@8'	2205381-04	5/25/2022	TRUE							
BK-3@4'	2205381-05	5/25/2022	TRUE							
BK-3@8'	2205381-06	5/25/2022	TRUE							
BK-4@4'	2205381-07	5/25/2022	TRUE							
BK-4@8'	2205381-08	5/25/2022	TRUE							
BH-1@8'	2204436-07	4/28/2022	FALSE	1.6	ND	ND	1.6	0.0537	0.0912	0.205
BH-2@8'	2204436-08	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
BH-3@10'	2207039-01	7/6/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-1@7'	2204436-01	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	0.00532
SW-2@7'	2204436-02	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-3@7'	2204436-03	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-4@7'	2204436-04	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	0.00594
SW-5@7'	2204436-05	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND
SW-6@7'	2204436-06	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND

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Soil to Groundwater				ene	benzo(a)pyrene	benzo(b)fluoranthene	benzo(k)fluoranthene	chrysene	dibenzo(a,h)anthracene	fluoranthene	fluorene
COGCC Table 915-1 Concentration Levels				0.24	0.3	2.9	9	0.096	8.9	0.54	
1.25*Background											
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample	Lab Sample ID	Sample Date	Background	benzo(a)pyrene	benzo(b)fluoranthene	benzo(k)fluoranthene	chrysene	dibenzo(a,h)anthracene	fluoranthene	fluorene	
Source #1@6'	2204061-01	4/5/2022	FALSE	0.331	0.398		ND	ND	ND	2.78	0.55
BK-1@4'	2205381-01	5/25/2022	TRUE								
BK-1@8'	2205381-02	5/25/2022	TRUE								
BK-2@4'	2205381-03	5/25/2022	TRUE								
BK-2@8'	2205381-04	5/25/2022	TRUE								
BK-3@4'	2205381-05	5/25/2022	TRUE								
BK-3@8'	2205381-06	5/25/2022	TRUE								
BK-4@4'	2205381-07	5/25/2022	TRUE								
BK-4@8'	2205381-08	5/25/2022	TRUE								
BH-1@8'	2204436-07	4/28/2022	FALSE	0.159	0.19	0.0921	0.234	ND	0.37	0.0812	
BH-2@8'	2204436-08	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND	
BH-3@10'	2207039-01	7/6/2022	FALSE	ND	ND	ND	ND	ND	0.0076	ND	
SW-1@7'	2204436-01	4/28/2022	FALSE	ND	ND	ND	0.006	ND	0.0104	ND	
SW-2@7'	2204436-02	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND	
SW-3@7'	2204436-03	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND	
SW-4@7'	2204436-04	4/28/2022	FALSE	ND	ND	ND	0.00546	ND	ND	ND	
SW-5@7'	2204436-05	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND	
SW-6@7'	2204436-06	4/28/2022	FALSE	ND	ND	ND	ND	ND	ND	ND	

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Soil to Groundwater				indeno(1,2,3-cd)pyrene	pyrene	1-methylnaphthalene	2-methylnaphthalene	Boron	arsenic	barium
COGCC Table 915-1 Concentration Levels				0.98	1.3	0.006	0.019	2	0.29	82
1.25*Background									4.79	171
Units				mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg dry	mg/kg dry
Sample	Lab Sample ID	Sample Date	Background	indeno(1,2,3-cd)pyrene	pyrene	1-methylnaphthalene	2-methylnaphthalene	Boron	arsenic	barium
Source #1@6'	2204061-01	4/5/2022	FALSE	ND	2.3	0.413	ND	0.227	4.27	130
BK-1@4'	2205381-01	5/25/2022	TRUE					0.349	3.70	142
BK-1@8'	2205381-02	5/25/2022	TRUE					0.602	3.90	89.8
BK-2@4'	2205381-03	5/25/2022	TRUE					0.354	3.53	134
BK-2@8'	2205381-04	5/25/2022	TRUE					0.115	3.91	142
BK-3@4'	2205381-05	5/25/2022	TRUE					0.216	3.24	130
BK-3@8'	2205381-06	5/25/2022	TRUE					0.218	3.59	120
BK-4@4'	2205381-07	5/25/2022	TRUE					0.377	4.26	154
BK-4@8'	2205381-08	5/25/2022	TRUE					0.256	3.94	153
BH-1@8'	2204436-07	4/28/2022	FALSE	0.0499	0.335	ND	0.321	0.382	4.65	141
BH-2@8'	2204436-08	4/28/2022	FALSE	ND	ND	ND	ND	0.297	3.88	101
BH-3@10'	2207039-01	7/6/2022	FALSE	0.00829	ND	ND	ND	0.41	4.41	152
SW-1@7'	2204436-01	4/28/2022	FALSE	ND	0.0147	ND	ND	0.325	3.74	127
SW-2@7'	2204436-02	4/28/2022	FALSE	ND	ND	ND	ND	0.418	5.12	70.7
SW-3@7'	2204436-03	4/28/2022	FALSE	ND	ND	ND	ND	0.328	4.19	437
SW-4@7'	2204436-04	4/28/2022	FALSE	ND	ND	ND	ND	0.29	4.65	142
SW-5@7'	2204436-05	4/28/2022	FALSE	ND	ND	ND	ND	0.32	3.09	112
SW-6@7'	2204436-06	4/28/2022	FALSE	ND	ND	ND	ND	0.647	4.33	114

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Soil to Groundwater				cadmium	copper	lead	nickel	selenium	silver	zinc
COGCC Table 915-1 Concentration Levels				0.38	46	14	26	0.26	0.8	370
1.25*Background				0.38		13.4		1.06		
Units				mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry
Sample	Lab Sample ID	Sample Date	Background	cadmium	copper	lead	nickel	selenium	silver	zinc
Source #1@6'	2204061-01	4/5/2022	FALSE	0.300	13.6	12.7	14.4	1.26	0.0768	50.8
BK-1@4'	2205381-01	5/25/2022	TRUE	ND	12.3	9.49	13.3	0.768	0.0553	43.6
BK-1@8'	2205381-02	5/25/2022	TRUE	0.327	11.9	14.1	11.9	0.797	0.0534	42.6
BK-2@4'	2205381-03	5/25/2022	TRUE	ND	12.1	9.19	13.1	0.768	0.0558	42.7
BK-2@8'	2205381-04	5/25/2022	TRUE	ND	14.9	11.0	16.1	0.832	0.0627	51.4
BK-3@4'	2205381-05	5/25/2022	TRUE	ND	12.2	8.81	13.2	0.722	0.0603	44.1
BK-3@8'	2205381-06	5/25/2022	TRUE	ND	13.1	10.4	14.7	0.889	0.0571	46.7
BK-4@4'	2205381-07	5/25/2022	TRUE	0.277	14.6	11.3	15.9	1.03	0.0589	52.5
BK-4@8'	2205381-08	5/25/2022	TRUE	0.241	13.5	10.6	17.0	1.07	0.0529	49.4
BH-1@8'	2204436-07	4/28/2022	FALSE	ND	14.5	9.83	15.4	0.915	0.0551	53.8
BH-2@8'	2204436-08	4/28/2022	FALSE	0.247	15.8	12.7	15.8	0.887	0.0659	57
BH-3@10'	2207039-01	7/6/2022	FALSE	ND	13.7	10.5	15.1	0.913	0.0599	49.1
SW-1@7'	2204436-01	4/28/2022	FALSE	ND	12.4	8.93	13.6	0.789	0.045	46.1
SW-2@7'	2204436-02	4/28/2022	FALSE	ND	13.3	10.6	13.9	0.738	0.0504	50.2
SW-3@7'	2204436-03	4/28/2022	FALSE	0.258	13.0	9.86	13.1	0.818	0.04	50.2
SW-4@7'	2204436-04	4/28/2022	FALSE	ND	14.0	9.92	15.1	0.901	0.0527	51.3
SW-5@7'	2204436-05	4/28/2022	FALSE	16.5	12.6	12.3	13.6	0.765	0.0568	50.2
SW-6@7'	2204436-06	4/28/2022	FALSE	ND	13.8	9.69	16.0	0.787	0.0531	53.6

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Soil to Groundwater				chromium (Hexavalent)	Calcium	Magnesium	Sodium	Sodium Adsorption Ratio	% Solids	Specific Conductance
COGCC Table 915-1 Concentration Levels				0.00067	NL	NL	NL	6	NL	4
1.25*Background				mg/kg dry	mg/L dry	mg/L dry	mg/L dry	Units	%	mmhos/cm
Sample	Lab Sample ID	Sample Date	Background	chromium (Hexavalent)	Calcium	Magnesium	Sodium	Sodium Adsorption Ratio	% Solids	Specific Conductance (EC
Source #1@6'	2204061-01	4/5/2022	FALSE	ND	114	113	554	8.8	81.5	4.17
BK-1@4'	2205381-01	5/25/2022	TRUE	ND	686	213	570	4.87	94.3	2.36
BK-1@8'	2205381-02	5/25/2022	TRUE	ND	2040	400	675	3.58	86.2	2.71
BK-2@4'	2205381-03	5/25/2022	TRUE	ND	1240	406	1160	7.31	92.4	3.38
BK-2@8'	2205381-04	5/25/2022	TRUE	ND	3360	792	62.5	0.252	81.3	0.323
BK-3@4'	2205381-05	5/25/2022	TRUE	ND	1090	243	193	1.38	87.2	0.884
BK-3@8'	2205381-06	5/25/2022	TRUE	ND	1380	495	217	1.28	80.6	0.883
BK-4@4'	2205381-07	5/25/2022	TRUE	ND	1090	330	702	4.78	83.7	3.45
BK-4@8'	2205381-08	5/25/2022	TRUE	ND	1030	399	247	1.66	84.8	0.626
BH-1@8'	2204436-07	4/28/2022	FALSE	ND	17.3	3.82	4.4	0.25	74.8	2.93
BH-2@8'	2204436-08	4/28/2022	FALSE	ND	11.9	3.28	5.6	0.371	82.4	2.43
BH-3@10'	2207039-01	7/6/2022	FALSE	ND	151	96.4	336	5.26	78.7	2.59
SW-1@7'	2204436-01	4/28/2022	FALSE	ND	13.8	2.91	1.38	0.0881	84.9	1.23
SW-2@7'	2204436-02	4/28/2022	FALSE	ND	8.13	2.06	2.36	0.191	84.4	2.23
SW-3@7'	2204436-03	4/28/2022	FALSE	ND	7.42	1.83	4.28	0.365	88.8	1.44
SW-4@7'	2204436-04	4/28/2022	FALSE	ND	14.7	3.77	9.31	0.561	87.4	2.67
SW-5@7'	2204436-05	4/28/2022	FALSE	ND	9.59	3.85	9.77	0.674	85.9	3.24
SW-6@7'	2204436-06	4/28/2022	FALSE	ND	6.73	1.77	4.39	0.389	86.5	2.77

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Soil to Groundwater				Conductance (EC)
COGCC Table 915-1 Concentration Levels				pH
1.25*Background				6 to 8.3
Units				10.26
				pH units
Sample	Lab Sample ID	Sample Date	Background	pH
Source #1@6'	2204061-01	4/5/2022	FALSE	7.99
BK-1@4'	2205381-01	5/25/2022	TRUE	8.17
BK-1@8'	2205381-02	5/25/2022	TRUE	7.74
BK-2@4'	2205381-03	5/25/2022	TRUE	8.32
BK-2@8'	2205381-04	5/25/2022	TRUE	8.38
BK-3@4'	2205381-05	5/25/2022	TRUE	8.14
BK-3@8'	2205381-06	5/25/2022	TRUE	8.32
BK-4@4'	2205381-07	5/25/2022	TRUE	8.01
BK-4@8'	2205381-08	5/25/2022	TRUE	8.56
BH-1@8'	2204436-07	4/28/2022	FALSE	7.82
BH-2@8'	2204436-08	4/28/2022	FALSE	8.02
BH-3@10'	2207039-01	7/6/2022	FALSE	7.97
SW-1@7'	2204436-01	4/28/2022	FALSE	8.1
SW-2@7'	2204436-02	4/28/2022	FALSE	7.93
SW-3@7'	2204436-03	4/28/2022	FALSE	8.32
SW-4@7'	2204436-04	4/28/2022	FALSE	8.04
SW-5@7'	2204436-05	4/28/2022	FALSE	7.97
SW-6@7'	2204436-06	4/28/2022	FALSE	7.95