

Facility #4 AE2 - Soil Analytical Results Summary

Soil to Groundwater Exposure Pathway						benzene	toluene	ethylbenzene	Xylenes (total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	naphthalene	Gasoline Range Hydrocarbons (GRO)	C10-C28 (DRO)	C28-C36 (ORO)	TPH (calculated)	acenaphthene	anthracene	benzo[a]anthracene	benzo[a]pyrene	benzo[b]fluoranthene
COGCC Table 915-1 Concentration Level or Background Concentration						0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	NL	NL	NL	500	0.55	5.8	0.011	0.24	0.3
Sample ID	Lab Sample ID	Sample Date	Latitude	Longitude	Background	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BK-1@4'	2205381-01	5/25/2022	40.094150*	-104.925640*	TRUE																
BK-1@8'	2205381-02	5/25/2022	40.094150*	-104.925640*	TRUE																
BK-2@4'	2205381-03	5/25/2022	40.094070*	-104.925830*	TRUE																
BK-2@8'	2205381-04	5/25/2022	40.094070*	-104.925830*	TRUE																
BK-3@4'	2205381-05	5/25/2022	40.094020*	-104.925450*	TRUE																
BK-3@8'	2205381-06	5/25/2022	40.094020*	-104.925450*	TRUE																
BK-4@4'	2205381-07	5/25/2022	40.093930*	-104.925540*	TRUE																
BK-4@8'	2205381-08	5/25/2022	40.093930*	-104.925540*	TRUE																
Source #1	2204061-01	4/5/2022	40.094023*	-104.925660*	FALSE	ND	ND	0.0058	ND	0.29	0.056	ND	4.5	150	ND	154.5	0.634	0.474	0.633	0.331	0.398
BH-1@8'	2204436-07	4/28/2022	40.094020*	-104.925670*	FALSE	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	1.6	0.0537	0.0912	0.205	0.159	0.19
BH-2@8'	2204436-08	4/28/2022	40.094020*	-104.925630*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-3@10'	2207039-01	7/6/2022	40.094015*	-104.925667*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-1@7"	2204436-01	4/28/2022	40.094001*	-104.925618*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00532	ND	ND
SW-2@7"	2204436-02	4/28/2022	40.093997*	-104.925658*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-3@7"	2204436-03	4/28/2022	40.094013*	-104.925701*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-4@7"	2204436-04	4/28/2022	40.094040*	-104.925680*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00594	ND	ND
SW-5@7"	2204436-05	4/28/2022	40.094050*	-104.925640*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-6@7"	2204436-06	4/28/2022	40.094020*	-104.925600*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-7@7"	2209049-01	9/2/2022	40.09408*	-104.92562*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-8@7"	2209049-02	9/2/2022	40.09399*	-104.92574*	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
NL = No level established
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mg/kg = milligrams per kilogram
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Soil to Groundwater Exposure Pathway																								
COGCC Table 915-1 Concentration Level or Background Concentration																								
Units																								
						2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019	2	4.79*	171*	0.38*	46	14	26	1.06*	0.8	
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry
Sample ID	Lab Sample ID	Sample Date	Latitude	Longitude	Background	benzo(k)fluoranthene	chrysene	dibenz(a,h)anthracene	fluoranthene	fluorene	indeno(1,2,3-cd)pyrene	pyrene	1-methylnaphthalene	2-methylnaphthalene	Boron	arsenic	barium	cadmium	copper	lead	nickel	selenium	silver	
BK-1@4'	2205381-01	5/25/2022	40.094150°	-104.925640°	TRUE										0.349	3.70	142	ND	12.3	9.49	13.3	0.768	0.0553	
BK-1@8'	2205381-02	5/25/2022	40.094150°	-104.925640°	TRUE										0.602	3.90	89.8	0.327	11.9	14.1	11.9	0.797	0.0534	
BK-2@4'	2205381-03	5/25/2022	40.094070°	-104.925830°	TRUE										0.354	3.53	134	ND	12.1	9.19	13.1	0.768	0.0558	
BK-2@8'	2205381-04	5/25/2022	40.094070°	-104.925830°	TRUE										0.115	3.91	142	ND	14.9	11	16.1	0.832	0.0627	
BK-3@4'	2205381-05	5/25/2022	40.094020°	-104.925450°	TRUE										0.216	3.24	130	ND	12.2	8.81	13.2	0.722	0.0603	
BK-3@8'	2205381-06	5/25/2022	40.094020°	-104.925450°	TRUE										0.218	3.59	120	ND	13.1	10.4	14.7	0.889	0.0571	
BK-4@4'	2205381-07	5/25/2022	40.093930°	-104.925540°	TRUE										0.377	4.26	154	0.277	14.6	11.3	15.9	1.03	0.0589	
BK-4@8'	2205381-08	5/25/2022	40.093930°	-104.925540°	TRUE										0.256	3.94	153	0.241	13.5	10.6	17	1.07	0.0529	
Source #1	2204061-01	4/5/2022	40.094023°	-104.925660°	FALSE	ND	ND	ND	2.78	0.55	ND	2.3	0.413	ND	0.227	4.27	130	0.3	13.6	12.7	14.4	1.26	0.0768	
BH-1@8'	2204436-07	4/28/2022	40.094020°	-104.925670°	FALSE	0.0921	0.234	ND	0.37	0.0812	0.0499	0.335	ND	0.321	0.382	4.65	141	ND	14.5	9.83	15.4	0.915	0.0551	
BH-2@8'	2204436-08	4/28/2022	40.094020°	-104.925630°	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.297	3.88	101	0.247	15.8	12.7	15.8	0.887	0.0659	
BH-3@10'	2207039-01	7/6/2022	40.094015°	-104.925667°	FALSE	ND	ND	ND	0.0076	ND	0.00829	ND	ND	ND	0.41	4.41	152	ND	13.7	10.5	15.1	0.913	0.0599	
SW-1@7'	2204436-01	4/28/2022	40.094001°	-104.925618°	FALSE	ND	0.006	ND	0.0104	ND	ND	0.0147	ND	ND	0.325	3.74	127	ND	12.4	8.93	13.6	0.789	0.045	
SW-2@7'	2204436-02	4/28/2022	40.093997°	-104.925658°	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.418	5.12	70.7	ND	13.3	10.6	13.9	0.738	0.0504	
SW-3@7'	2204436-03	4/28/2022	40.094013°	-104.925701°	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.328	4.19	437	0.258	13	9.86	13.1	0.818	0.04	
SW-4@7'	2204436-04	4/28/2022	40.094040°	-104.925680°	FALSE	ND	0.00546	ND	ND	ND	ND	ND	ND	ND	0.29	4.65	142	ND	14	9.92	15.1	0.901	0.0527	
SW-5@7'	2204436-05	4/28/2022	40.094050°	-104.925640°	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32	3.09	112	16.5	12.6	12.3	13.6	0.765	0.0568	
SW-6@7'	2204436-06	4/28/2022	40.094020°	-104.925600°	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.647	4.33	114	ND	13.8	9.69	16	0.787	0.0531	
SW-7@7'	2209049-01	9/2/2022	40.09408°	-104.92562°	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.316	3.22	117	ND	10.6	6.77	11.6	0.714	0.0395	
SW-8@7'	2209049-02	9/2/2022	40.09399°	-104.92574°	FALSE	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.429	3.73	140	ND	12.8	9.27	13.9	0.877	0.062	

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Soil to Groundwater Exposure Pathway						zinc	chromium (Hexavalent)	Calcium	Magnesium	Sodium	Sodium Adsorption Ratio (SAR)	% Solids	Specific Conductance (EC)	pH
COGCC Table 915-1 Concentration Level or Background Concentration						370	0.00067	NL	NL	NL	6	NL	4	6 to 8.3
Units						mg/kg dry	mg/kg dry	mg/L dry	mg/L dry	mg/L dry	Units	%	mmhos/cm	pH units
Sample ID	Lab Sample ID	Sample Date	Latitude	Longitude	Background	zinc	chromium (Hexavalent)	Calcium	Magnesium	Sodium	SAR	% Solids	EC	pH
BK-1@4'	2205381-01	5/25/2022	40.094150*	-104.925640*	TRUE	43.6	ND	686	213	570	4.87	94.3	2.36	8.17
BK-1@8'	2205381-02	5/25/2022	40.094150*	-104.925640*	TRUE	42.6	ND	2040	400	675	3.58	86.2	2.71	7.74
BK-2@4'	2205381-03	5/25/2022	40.094070*	-104.925830*	TRUE	42.7	ND	1240	406	1160	7.31	92.4	3.38	8.32
BK-2@8'	2205381-04	5/25/2022	40.094070*	-104.925830*	TRUE	51.4	ND	3360	792	62.5	0.252	81.3	0.323	8.38
BK-3@4'	2205381-05	5/25/2022	40.094020*	-104.925450*	TRUE	44.1	ND	1090	243	193	1.38	87.2	0.884	8.14
BK-3@8'	2205381-06	5/25/2022	40.094020*	-104.925450*	TRUE	46.7	ND	1380	495	217	1.28	80.6	0.883	8.32
BK-4@4'	2205381-07	5/25/2022	40.093930*	-104.925540*	TRUE	52.5	ND	1090	330	702	4.78	83.7	3.45	8.01
BK-4@8'	2205381-08	5/25/2022	40.093930*	-104.925540*	TRUE	49.4	ND	1030	399	247	1.66	84.8	0.626	8.56
Source #1	2204061-01	4/5/2022	40.094023*	-104.925660*	FALSE	50.8	ND	114	113	554	8.80	81.5	4.17	7.99
BH-1@8'	2204436-07	4/28/2022	40.094020*	-104.925670*	FALSE	53.8	ND	17.3	3.82	4.4	0.25	74.8	2.93	7.82
BH-2@8'	2204436-08	4/28/2022	40.094020*	-104.925630*	FALSE	57	ND	11.9	3.28	5.6	0.371	82.4	2.43	8.02
BH-3@10'	2207039-01	7/6/2022	40.094015*	-104.925667*	FALSE	49.1	ND	151	96.4	336	5.26	78.7	2.59	7.97
SW-1@7"	2204436-01	4/28/2022	40.094001*	-104.925618*	FALSE	46.1	ND	13.8	2.91	1.38	0.0881	84.9	1.23	8.1
SW-2@7"	2204436-02	4/28/2022	40.093997*	-104.925658*	FALSE	50.2	ND	8.13	2.06	2.36	0.191	84.4	2.23	7.93
SW-3@7"	2204436-03	4/28/2022	40.094013*	-104.925701*	FALSE	50.2	ND	7.42	1.83	4.28	0.365	88.8	1.44	8.32
SW-4@7"	2204436-04	4/28/2022	40.094040*	-104.925680*	FALSE	51.3	ND	14.7	3.77	9.31	0.561	87.4	2.67	8.04
SW-5@7"	2204436-05	4/28/2022	40.094050*	-104.925640*	FALSE	50.2	ND	9.59	3.85	9.77	0.674	85.9	3.24	7.97
SW-6@7"	2204436-06	4/28/2022	40.094020*	-104.925600*	FALSE	53.6	ND	6.73	1.77	4.39	0.389	86.5	2.77	7.95
SW-7@7"	2209049-01	9/2/2022	40.09408*	-104.92562*	FALSE	38.9	ND	279	186	731	8.32	89.9	4.88	7.80
SW-8@7"	2209049-02	9/2/2022	40.09399*	-104.92574*	FALSE	45.8	ND	49.9	21.2	99	2.96	90	0.958	8.00

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