

George Norden Consolidation (479923)

				benzene
Soil to Groundwater				
COGCC Table 915-1 Concentration Levels				0.0026
1.25*Background				0.0026
Units				mg/kg
Sample	Lab Sample ID	Sample Date	Background	benzene
DS-1@7'	2207294-01	7/21/2022	FALSE	ND
DS-2@7'	2207294-02	7/21/2022	FALSE	ND
DS-3@3'	2207364-01	7/26/2022	FALSE	ND
DS-3@7'	2207294-03	7/21/2022	FALSE	ND
DS-3@9'	2207364-02	7/26/2022	FALSE	ND
DS-4@3'	2207364-03	7/26/2022	FALSE	ND
DS-4@7'	2207294-04	7/21/2022	FALSE	ND
DS-4@9'	2207364-04	7/26/2022	FALSE	ND
DS-5@6'	2207364-05	7/26/2022	FALSE	ND
DS-5@9'	2207364-06	7/26/2022	FALSE	ND
Source #1	2207294-05	7/21/2022	FALSE	ND

[illegible]

benzene	naphthalene	Gasoline Range Hydrocarbons	C10-C28 (DRO)	C28-C36 (ORO)	TPH (Calculated)
0.0038	500	500	500	500	500
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mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
naphthalene	Gasoline Range Hydrocarbons	C10-C28 (DRO)	C28-C36 (ORO)	TPH (Calculated)	
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	ND	ND		
ND	ND	280	71	351	

[illegible]

anthracene	benzo(k)fluoranthene	chrysene	dibenzo(a,h)anthracene	fluoranthene	fluorene
2.9	9	0.096	8.9	0.54	
2.9	9	0.096	8.9	0.54	
mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
benzo(k)fluoranthene	chrysene	dibenzo(a,h)anthracene	fluoranthene	fluorene	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	0.0185	ND	ND	ND	

indeno(1,2,3-cd)pyrene	pyrene	1-methylnaphthalene	2-methylnaphthalene	Boron
0.98	1.3	0.006	0.019	2
0.98	1.3	0.006	0.019	2
mg/kg	mg/kg	mg/kg	mg/kg	mg/L
indeno(1,2,3-cd)pyrene	pyrene	1-methylnaphthalene	2-methylnaphthalene	Boron
ND	ND	ND	ND	0.0968
ND	ND	ND	ND	0.138
ND	ND	ND	ND	0.355
ND	ND	ND	ND	0.0645
ND	ND	ND	ND	0.219
ND	ND	ND	ND	0.175
ND	ND	ND	ND	0.0649
ND	ND	ND	ND	0.162
ND	ND	ND	ND	0.430
ND	ND	ND	ND	0.166
ND	0.012	ND	ND	1.18

arsenic	barium	cadmium	copper	lead
0.29	82	0.38	46	14
0.29	82	0.38	46	14
mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry
arsenic	barium	cadmium	copper	lead
ND	31.1	ND	1.98	2.65
0.321	34.6	ND	2.01	2.34
1.70	73.0	0.234	9.05	12.3
ND	35.3	ND	0.882	1.77
1.10	81.8	ND	7.16	7.11
1.48	62.3	0.251	8.31	9.60
ND	25.7	ND	1.36	2.19
0.567	30.4	ND	3.36	3.85
1.71	99.2	ND	12.1	12.7
1.68	97.2	ND	8.52	7.53
2.29	108	0.314	22.5	37.6

nickel	selenium	silver	zinc	chromium (Hex²)
26	0.26	0.8	370	0.00067
26	0.26	0.8	370	0.00067
mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry
nickel	selenium	silver	zinc	chromium (Hexavalent)
1.76	0.64	ND	13.1	ND
1.86	0.573	ND	13.4	ND
5.31	0.568	0.0738	127	ND
0.759	0.368	ND	7.09	ND
4.73	0.753	0.0494	48.1	ND
4.72	0.691	0.0836	112	ND
1	0.414	ND	9.47	ND
2.36	0.446	0.0253	28.1	ND
8.39	0.952	0.102	49.0	ND
5.01	0.495	0.0621	45.3	ND
10.2	1.54	0.268	74.7	ND

valent)					
Calcium	Magnesium	Sodium	Sodium Adsorption Ratio	% Solids	
NL	NL	NL	6	NL	
NL	NL	NL	6	NL	
mg/L dry	mg/L dry	mg/L dry	Units	%	
Calcium	Magnesium	Sodium	Sodium Adsorption Ratio	% Solids	
23.7	9.02	56.9	2.5	98.1	
19.8	8.04	55.7	2.66	99.1	
65.2	34.3	209	5.22	93.2	
9.43	3.96	35.4	2.43	98.8	
40.4	19.6	140	4.52	88.0	
40.6	17.5	79.1	2.61	87.5	
11	5.3	28.5	1.64	85.7	
36.7	16.8	73.9	2.54	96.2	
30.6	14.4	156	5.83	83.9	
33.5	10.9	66.8	2.56	93.4	
200	71	731	10.5	86.2	

Specific Conductance (EC)	
pH	
4	6 to 8.3
4	6 to 8.3
mmhos/cm	pH units
Specific Conductance (EC)	pH
0.581	7.73
0.57	7.58
1.92	7.92
0.358	7.41
1.03	7.96
0.666	7.97
0.295	7.24
0.737	7.96
1.00	8.06
0.665	7.99
4.63	8.02