

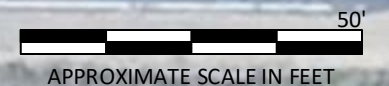
Background01 @ 1.5'	
5/7/2024	
Benzene	ND
Toluene	<0.00263
Ethylbenzene	ND
Total Xylenes	ND
Naphthalene	ND
1,2,4 TMB	<0.00245
1,3,5 TMB	<0.005
TPH	<500

West Pipe @ 2'	
5/7/2024	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Total Xylenes	ND
Naphthalene	ND
1,2,4 TMB	<0.00245
1,3,5 TMB	<0.005
TPH	<500

Tank01 @ 5'	
5/7/2024	
Benzene	<0.00242
Toluene	<0.00263
Ethylbenzene	<0.005
Total Xylenes	<0.00654
Naphthalene	ND
1,2,4 TMB	0.00385
1,3,5 TMB	<0.005
TPH	<500

Tank02 @ 1'	
5/7/2024	
Benzene	ND
Toluene	<0.00263
Ethylbenzene	<0.005
Total Xylenes	<0.00654
Naphthalene	ND
1,2,4 TMB	<0.00245
1,3,5 TMB	<0.005
TPH	<500

Background02 @ 1.5'	
5/7/2024	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
Total Xylenes	ND
Naphthalene	ND
1,2,4 TMB	<0.00245
1,3,5 TMB	<0.005
TPH	<500



**LEGEND:**

 Soil Sample Location

**NOTES:**  
 VALUES PRESENTED IN **BOLD** EXCEED CECMC TABLE 915-1 REGULATORY LIMITS  
 ALL LOCATIONS ARE APPROXIMATE UNLESS NOTED OTHERWISE

CECMC Table 915-1 Soil Standards		
Compound	Residential (mg/kg)	Protection of Groundwater (mg/kg)
Benzene	1.2	0.0026
Toluene	490	0.69
Ethylbenzene	5.8	0.78
Total Xylenes	58	9.9
Naphthalene	30	0.0081
1,2,4-Trimethylbenzene	27	0.0087
1,3,5-Trimethylbenzene	2	0.0038
TPH	500	500

mg/kg- milligrams per kilogram  
 TPH- Total Petroleum Hydrocarbons  
 CECMC- Colorado Energy & Carbon Management Commission  
 ND- Not detected

GREAT WESTERN KALLSEN 14-10X  
 Soil Sample Location Map  
 Providence Operating LLC  
 Operator #10694  
 CSW Sec. 10 T1S R65W 6



Imagery source: Google Earth; 2016 Google

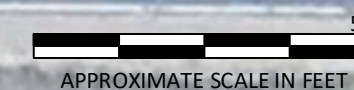
Background02 @ 1.5'	
5/7/2024	
Arsenic	<b>1.458</b>
Barium	29.094
Cadmium	0.089
Chromium	<0.0800
Copper	5.490
Lead	5.589
Nickel	2.374
Selenium	0.885
Silver	<0.025
Zinc	12.079

Tank01 @ 5'	
5/7/2024	
Arsenic	<b>2.041</b>
Barium	37.460
Cadmium	0.148
Chromium	0.1137
Copper	6.078
Lead	6.913
Nickel	3.496
Selenium	1.895
Silver	<0.250
Zinc	18.005

Background01 @ 1.5'	
5/7/2024	
Arsenic	<b>1.863</b>
Barium	46.780
Cadmium	0.066
Chromium	<0.0800
Copper	5.662
Lead	6.980
Nickel	3.388
Selenium	1.400
Silver	<0.025
Zinc	14.770

West Pipe @ 2'	
5/7/2024	
Arsenic	<b>1.788</b>
Barium	40.380
Cadmium	0.063
Chromium	<0.0800
Copper	5.871
Lead	7.638
Nickel	3.052
Selenium	1.720
Silver	<0.250
Zinc	18.808

Tank02 @ 1'	
5/7/2024	
Arsenic	<b>1.863</b>
Barium	38.389
Cadmium	0.063
Chromium	0.1200
Copper	5.645
Lead	14.960
Nickel	3.081
Selenium	1.331
Silver	<0.025
Zinc	16.901



**LEGEND:**

 Soil Sample Location

**NOTES:**  
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CECMC Table 915-1 Soil Screening Levels		
Compound	Residential (mg/kg)	Protection of Groundwater (mg/kg)
Arsenic	0.68	0.29 (M)
Barium	15000	82 (M)
Cadmium	71	0.38 (M)
Chromium (VI)	0.3	0.00067 (R)
Copper	3100	46 (M)
Lead	400	14 (M)
Nickel	1500	26 (R)
Selenium	390	0.26 (M)
Silver	390	0.8 (R)
Zinc	23000	370 (R)

mg/kg- milligrams per kilogram  
 (R)- Risk based screening level  
 (M)- Drinking water maximum contaminant level  
 CECMC- Colorado Energy & Carbon Management Commission

GREAT WESTERN KALLSEN 14-10X  
 Soil Sample Location Map  
 Providence Operating LLC  
 Operator #10694  
 CSW Sec. 10 T1S R65W 6



Imagery source: Google Earth; 2016 Google



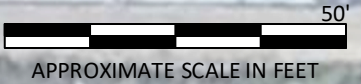
Background02 @ 1.5'	
5/7/2024	
EC	0.337
SAR	0.174
pH	7.42
Boron	0.132

West Pipe @ 2'	
5/7/2024	
EC	0.478
SAR	1.009
pH	<b>5.65</b>
Boron	0.205

Tank01 @ 5'	
5/7/2024	
EC	1.556
SAR	2.674
pH	<b>5.63</b>
Boron	0.570

Tank02 @ 1'	
5/7/2024	
EC	0.796
SAR	5.961
pH	<b>5.70</b>
Boron	0.103

Background01 @ 1.5'	
5/7/2024	
EC	0.294
SAR	0.182
pH	6.74
Boron	0.167



**LEGEND:**

 Soil Sample Location

CECMC Table 915-1 Soil Screening Levels	
EC	<4 mmhos/cm
SAR	<6
pH	6-8.3
Boron	2 mg/l

CECMC- Colorado Energy & Carbon Management Commission  
 EC- Electrical conductivity  
 Mmhos/cm- millimhos per centimeter  
 Mg/l- milligrams per liter  
 SAR- Sodium absorption ratio

GREAT WESTERN KALLSEN 14-10X  
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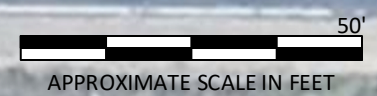
Background02 @ 1.5'	
5/7/2024	
Acenaphthene	ND
Anthracene	ND
Benz(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Benzo(a)pyrene	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Fluoranthene	ND
Fluorene	ND
Indeno(1,2,3-cd)pyrene	ND
Pyrene	ND
1-methylnaphthalene	<0.010
2-methylnaphthalene	<0.010


Tank01 @ 5'	
5/7/2024	
Acenaphthene	ND
Anthracene	ND
Benz(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Benzo(a)pyrene	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Fluoranthene	ND
Fluorene	ND
Indeno(1,2,3-cd)pyrene	ND
Pyrene	ND
1-methylnaphthalene	ND
2-methylnaphthalene	ND

West Pipe @ 2'	
5/7/2024	
Acenaphthene	ND
Anthracene	ND
Benz(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Benzo(a)pyrene	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Fluoranthene	ND
Fluorene	ND
Indeno(1,2,3-cd)pyrene	ND
Pyrene	ND
1-methylnaphthalene	ND
2-methylnaphthalene	ND

Tank02 @ 1'	
5/7/2024	
Acenaphthene	ND
Anthracene	ND
Benz(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Benzo(a)pyrene	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Fluoranthene	ND
Fluorene	ND
Indeno(1,2,3-cd)pyrene	ND
Pyrene	ND
1-methylnaphthalene	ND
2-methylnaphthalene	ND

Background01 @ 1.5'	
5/7/2024	
Acenaphthene	ND
Anthracene	ND
Benz(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Benzo(a)pyrene	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Fluoranthene	ND
Fluorene	ND
Indeno(1,2,3-cd)pyrene	ND
Pyrene	ND
1-methylnaphthalene	ND
2-methylnaphthalene	ND



**LEGEND:**  
 Soil Sample Location

**NOTES:**  
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CECMC Table 915-1 Soil Screening Levels		
Compound	Residential (mg/kg)	Protection of Groundwater (mg/kg)
Acenaphthene	360	0.55 (R)
Anthracene	1800	5.8 (R)
Benz(a)anthracene	1.1	0.011 (R)
Benzo(b)fluoranthene	1.1	0.03 (R)
Benzo(k)fluoranthene	11	2.9 (R)
Benzo(a)pyrene	0.11	0.24 (M)
Chrysene	110	9 (R)
Dibenzo(a,h)anthracene	0.11	0.096 (R)
Fluoranthene	240	8.9 (R)
Fluorene	240	0.54 (R)
Indeno(1,2,3-cd)pyrene	1.1	0.98 (R)
Pyrene	180	1.3 (R)
1-methylnaphthalene	18	0.006 (R)
2-methylnaphthalene	24	0.019 (R)

mg/kg- milligrams per kilogram  
 (R)- Risk based screening level  
 (M)- Drinking water maximum contaminant level  
 CECMC- Colorado Energy & Carbon Management Commission

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