

this summary created by John Withers 4-21-15 (970-261-3415)

Accutest Mountain States		1/28/2015 9:44
Job Number:	D64798	
Account:	Grand Valley Consulting	
Project:	Windsor Energy	
Project Number:		

COGCC
TABLE 910.1
MAX ALLOWABLE
CONCENTRATION
5/30/2011

Client Sample ID:		GEBAUER 14: BACKGROUND	GEBAUER 14:PIT	GEBAUER 14:PIT
Lab Sample ID:		D64798-7	D64798-6	D64798-6A
Date Sampled:		11/19/2014	11/19/2014	11/19/2014
Matrix:		Soil	Soil	Soil

limit

17000	Benzene	ug/kg	-	ND (17)	-
85000	Toluene	ug/kg	-	ND (11)	-
100000	Ethylbenzene	ug/kg	-	ND (35)	-
175000	Xylene (total)	ug/kg	-	ND (11)	-

1000000	Acenaphthene	ug/kg	-	ND (0.93)	-
1000000	Anthracene	ug/kg	-	ND (1.2)	-
220	Benzo(a)anthracene	ug/kg	-	ND (2.5)	-
220	Benzo(a)pyrene	ug/kg	-	ND (2.1)	-
2200	Benzo(b)fluoranthene	ug/kg	-	ND (2.4)	-
22	Benzo(k)fluoranthene	ug/kg	-	ND (1.7)	-
22000	Chrysene	ug/kg	-	ND (1.5)	-
22	Dibenzo(a,h)anthracene	ug/kg	-	ND (1.5)	-
1000000	Fluoranthene	ug/kg	-	1.7 J	-
1000000	Fluorene	ug/kg	-	ND (1.1)	-
220	Indeno(1,2,3-cd)pyrene	ug/kg	-	ND (1.3)	-
23000	Naphthalene	ug/kg	-	2.5 J	-
1000000	Pyrene	ug/kg	-	1.9 J	-

500	TPH-GRO (C6-C10)	mg/kg	-	ND (5.9)	-
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500	TPH-DRO (C10-C28)	mg/kg	-	ND (5.4)	-
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0.39	Arsenic	mg/kg	5.7	6.7	-
15000	Barium	mg/kg	-	167	-
70	Cadmium	mg/kg	-	<1.1	-
n/a	Calcium	mg/l	-	-	66.8
23	Chromium	mg/kg	-	9.6	-
3100	Copper	mg/kg	-	10.1	-
400	Lead	mg/kg	-	15.5	-
n/a	Magnesium	mg/l	-	-	14.8
23	Mercury	mg/kg	-	<0.086	-
1600	Nickel	mg/kg	-	11	-
390	Selenium	mg/kg	-	<5.4	-
390	Silver	mg/kg	-	<3.2	-
n/a	Sodium	mg/l	-	-	30.1
23000	Zinc	mg/kg	-	43.7	-

n/a	Solids, Percent	%	92.5	91.8	-
<4000	Specific Conductivity	umhos/cm	-	455	-
23	Chromium, Hexavalent	mg/kg	-	<1.0	-
120000	Chromium, Trivalent	mg/kg	-	9.6 ^b	-
n/a	Redox Potential Vs H2	mv	-	330	-
<12^5	Sodium Adsorption Ratio	ratio	-	-	0.867 ^c
6-9	pH	su	-	9.35	-

In my experience, these values are typical for background in this area for pH and AS. Submit for COGCC representative review and acceptance for pit backfill.