

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:		

Hit

**COGCC
TABLE 910.1
MAX ALLOWABLE
CONCENTRATION
5/30/2011**

limit

Client Sample ID:		NEWTON 25A: BACKGROUND	NEWTON 25A:PIT
Lab Sample ID:		D64798-2	D64798-1
Date Sampled:		11/19/2014	11/19/2014
Matrix:		Soil	Soil

17000

85000

100000

175000

Benzene	ug/kg	-	ND (19)
Toluene	ug/kg	-	ND (12)
Ethylbenzene	ug/kg	-	ND (40)
Xylene (total)	ug/kg	-	ND (13)

1000000

1000000

220

220

2200

22

22000

22

1000000

1000000

220

23000

1000000

Acenaphthene	ug/kg	-	ND (0.94)
Anthracene	ug/kg	-	1.7 J
Benzo(a)anthracene	ug/kg	-	ND (2.5)
Benzo(a)pyrene	ug/kg	-	ND (2.2)
Benzo(b)fluoranthene	ug/kg	-	ND (2.4)
Benzo(k)fluoranthene	ug/kg	-	ND (1.7)
Chrysene	ug/kg	-	1.9 J
Dibenzo(a,h)anthracene	ug/kg	-	ND (1.6)
Fluoranthene	ug/kg	-	3.3 J
Fluorene	ug/kg	-	1.2 J
Indeno(1,2,3-cd)pyrene	ug/kg	-	ND (1.4)
Naphthalene	ug/kg	-	ND (1.2)
Pyrene	ug/kg	-	2.6 J

500

TPH-GRO (C6-C10)	mg/kg	-	ND (6.4)
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500

TPH-DRO (C10-C28)	mg/kg	-	ND (5.7)
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0.39	Arsenic	mg/kg	6.6	9.1
15000	Barium	mg/kg	-	345
70	Cadmium	mg/kg	-	<1.1
n/a	Calcium	mg/l	-	-
23	Chromium	mg/kg	-	7.7
3100	Copper	mg/kg	-	10.4
400	Lead	mg/kg	-	11.6
n/a	Magnesium	mg/l	-	-
23	Mercury	mg/kg	-	<0.090
1600	Nickel	mg/kg	-	8
390	Selenium	mg/kg	-	<5.7
390	Silver	mg/kg	-	<3.4
n/a	Sodium	mg/l	-	-
23000	Zinc	mg/kg	-	22

n/a	Solids, Percent	%	90.4	87.7
<4000	Specific Conductivity	umhos/cm	-	2400
23	Chromium, Hexavalent	mg/kg	-	<1.0
120000	Chromium, Trivalent	mg/kg	-	7.7 ^b
n/a	Redox Potential Vs H2	mv	-	296
<12^5	Sodium Adsorption Ratio	ratio	-	-
6-9	pH	su	-	8.52

Client Sample ID:		NEWTON 25A:PIT			
Lab Sample ID:		D64798-1A			
Date Sampled:		11/19/2014			
Matrix:		Soil			
Metals Analysis					
Calcium	mg/l	576			
Magnesium	mg/l	71.2			
Sodium	mg/l	124			
General Chemistry					
Sodium Adsorption Ratio	ratio	1.30 ^c			
Footnotes:					
^a Elevated detection limit due to dilution required for possible matrix interference.					
^b Calculated as: (Chromium) - (Chromium, Hexavalent)					