

Summary of DGU 18-43 Reserve Pit Analysis

Summary of Laboratory Analysis			
Analyte	Units	18-43 RP 5/30/2017	COGCC Table 910-1
Benzene	mg/kg	<0.050	0.17
Toluene	mg/kg	<0.050	85
Ethylbenzene	mg/kg	<0.050	100
m,p-Xylene	mg/kg	<0.10	
o-Xylene	mg/kg	<0.050	
Xylenes, total	mg/kg	<0.15	175
Acenaphthene	ug/kg	<41	1000000
Anthracene	ug/kg	<41	1000000
Benzo(a)anthracene	ug/kg	<41	220
Benzo(a)pyrene	ug/kg	<41	22
Benzo(b)fluoranthene	ug/kg	<41	220
Benzo(k)fluoranthene	ug/kg	<41	2200
Chrysene	ug/kg	<41	22000
Dibenzo(a,h)anthracene	ug/kg	<41	22
Fluoranthene	ug/kg	<41	1000000
Fluorene	ug/kg	<41	1000000
Indeno(1,2,3-cd)pyrene	ug/kg	<41	220
Naphthalene	ug/kg	<41	23000
Pyrene	ug/kg	<41	1000000
TPH-GRO (C6-C10)	mg/kg	<4.2	
TPH-DRO (C10-C28)	mg/kg	16	
Total TPH	mg/kg	<20.2	500
Arsenic	mg/kg	7.4	0.39
Background samples 12 sites, 3 depths, 36 samples			
As Bkgd Min	mg/kg	2.0	
As Bkgd Max	mg/kg	12.4	
As Bkgd Avg	mg/kg	3.5	
Barium	mg/kg	1300	15000
Ba Bkgd Min	mg/kg	36.9	
Ba Bkgd Max	mg/kg	934	
Ba Bkgd Avg	mg/kg	283.7	
Cadmium	mg/kg	0.26 J	70
Calcium	mg/l	160	
Chromium	mg/kg	4.2	
Copper	mg/kg	18	3100
Lead	mg/kg	10	400
Magnesium	mg/l	18	
Mercury	mg/kg	0.076	23
Nickel	mg/kg	3.3	1600
Selenium	mg/kg	1.6	390
Silver	mg/kg	<0.36	390
Sodium	mg/l	250	
Zinc	mg/kg	49	23000
Chromium, Hexavalent	mg/kg	<1.0	23
Chromium, Trivalent	mg/kg	4.2	120000
Moisture, percent	%	25	
Specific Conductivity	mmhos/cm	2.6	<4 or 2xbkgd
pH	s.u.	8.29	6-9
Sodium Adsorption Ratio	ratio	5.0	<12
Landfill Parameters			
Paint Filter Test		absent	
TCLP Mercury	mg/L	<0.0020	
TCLP Arsenic	mg/L	<0.050	
TCLP Barium	mg/L	1.3	
TCLP Cadmium	mg/L	0.0018 J	
TCLP Chromium	mg/L	0.017 J	
TCLP Lead	mg/L	0.013 J	
TCLP Selenium	mg/L	<0.050	
TCLP Silver	mg/L	<0.050	
abbreviations:			
ug/kg - micrograms per kilogram			
mg/kg - milligrams per kilogram			
mg/L - milligrams per liter			
s.u. - standard units			
J - analyte is present at an estimated concentration between the method detection limit and report limit.			