

DATE: 3 March 2015

KECC REF: KECC 1 TO 5





KECC SAMPLE ID. : KECC120692547356_1







COMPANY:



PROJECT : Drilling waste analysis

SAMPLE DESCRIPTION : Five samples were received with the following references:

SAMPLE I.D	MATRIX	DATE	TIME (hrs)	Coordinates	PHOTOS
1	Soil Depth : 10 cm	27-Dec-14	1500		
2	Soil Depth : surface	27-Dec-14	1515		

3	Soil Depth : 10 to 15 cm	27-Dec-14	1530	<p style="color: red;">Treatment site</p> 	
4	Soil Depth : surface	28-Dec-14	1030		
5	Soil & Liquids Depth : surface	28-Dec-14	1100		

Dr.Abdulqader Alkharraz

Manager of KECC

T:00967-777479801

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PROJECT : Drilling waste

Sample Type : Soil

		Lab I.D		547356	547357	547358	547359	547360
		Sample I.D		1	2	3	4	5
		Units	LOR					
Method Reference	Analysis Description	Date of Digestion		17/2/15				
		Date of Analysis		17/2/15				
Oven Dry	Moisture @ 103 oC	%	0.1	1.1	6.2	0.7	0.8	5.8
APHA 5520 E	Oil & Grease	mg/kg	10	16300	150000	1630	23800	29800
USEPA 3050B, 6010B	Silver	mg/kg	1	<1	<1	<1	<1	<1
USEPA 3050B, 6010B	Arsenic	mg/kg	1	<1	<1	<1	<1	<1
USEPA 3050B, 6010B	Beryllium	mg/kg	1	<1	<1	<1	<1	<1
USEPA 3050B, 6010B	Cadmium	mg/kg	1	<1	<1	<1	<1	<1
USEPA 3050B, 6010B	Chromium	mg/kg	1	9	15	11	6	9
USEPA 3050B, 6010B	Copper	mg/kg	1	6	9	5	7	6
USEPA 3050B, 6010B	Nickel	mg/kg	1	13	12	14	8	12
USEPA 3050B, 6010B	Lead	mg/kg	1	120	3	3	17	10
USEPA 3050B, 6010B	Antimony	mg/kg	5	<5	<5	<5	<5	<5
USEPA 3050B, 6010B	Selenium	mg/kg	5	<5	<5	<5	<5	<5
USEPA 3050B, 6010B	Thallium	mg/kg	5	<5	<5	<5	<5	<5
USEPA 3050B, 6010B	Zinc	mg/kg	1	22	16	17	26	32
USEPA 7471 A	Mercury	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5

LOR: Level of Reporting



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Sample Type : Soil

		Lab I.D		547356	547357	547358	547359	547360
		Sample I.D						
		Units	LOR	1	2	3	4	5
Method Reference	Analysis Description	Date of Analysis		12/2/15				
USEPA5030B,8260B	Total Petroleum Hydrocarbon (TPH)							
USEPA 5030B, 8260B	C6-C9 fraction	mg/kg	5	<5	121	<5	5	10
Method Reference	Analysis Description	Date of Extraction		12/2/15				
		Date of Analysis		16/2/15				
USEPA3570C,8015B	Total Petroleum Hydrocarbon (TPH)							
USEPA 3570C, 8015B	C10-C14 fraction	mg/kg	50	1970	19400	102	550	1500
USEPA 3570C, 8015B	C15-C28 fraction	mg/kg	100	10900	100000	754	8600	24800
USEPA 3570C, 8015B	C29-C36 fraction	mg/kg	100	321	3690	<100	2700	1040

LOR: Level of Reporting