

ALS Group, USA

Date: 07-Feb-19

Client: SGM Inc.
Project: Mustang Resources
Sample ID: Sample Site 4
Collection Date: 2/2/2019 12:30 PM

Work Order: 1902233
Lab ID: 1902233-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015M		Prep: SW3546 / 2/7/19		Analyst: RP
DRO (C10-C28)	U		3.6	6.3	mg/Kg-dry	1	2/7/2019 13:58
Surr: 4-Terphenyl-d14	73.1			33-111	%REC	1	2/7/2019 13:58
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 2/6/19		Analyst: RP
GRO (C6-C10)	U		2.1	5.0	mg/Kg	1	2/6/2019 22:16
Surr: Toluene-d8	93.0			71-123	%REC	1	2/6/2019 22:16
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 2/7/19		Analyst: RSH
Mercury	0.016	J	0.0020	0.020	mg/Kg-dry	1	2/7/2019 12:16
METALS ANALYSIS BY ICP							
			Method: SW846 6010C		Prep: SW3050B / 2/7/19		Analyst: ABL
Arsenic	5.7		0.11	0.42	mg/Kg-dry	1	2/7/2019 13:22
Barium	130		0.17	0.42	mg/Kg-dry	1	2/7/2019 13:22
Boron	16		0.42	1.7	mg/Kg-dry	1	2/7/2019 13:22
Cadmium	0.37	J	0.040	0.83	mg/Kg-dry	1	2/7/2019 13:22
Chromium	7.1		0.023	0.42	mg/Kg-dry	1	2/7/2019 13:22
Copper	12		0.18	0.83	mg/Kg-dry	1	2/7/2019 13:22
Lead	9.2		0.089	0.42	mg/Kg-dry	1	2/7/2019 13:22
Nickel	9.7		0.17	0.42	mg/Kg-dry	1	2/7/2019 13:22
Selenium	0.36	J	0.23	0.83	mg/Kg-dry	1	2/7/2019 13:22
Silver	U		0.052	0.42	mg/Kg-dry	1	2/7/2019 13:22
Zinc	44		0.067	0.83	mg/Kg-dry	1	2/7/2019 13:22
SEMI-VOLATILE ORGANIC COMPOUNDS							
			Method: SW846 8270D		Prep: SW3546 / 2/7/19		Analyst: EE
Acenaphthene	U		6.1	8.4	µg/Kg-dry	1	2/7/2019 15:50
Anthracene	U		5.9	8.4	µg/Kg-dry	1	2/7/2019 15:50
Benzo(a)anthracene	U		7.3	8.4	µg/Kg-dry	1	2/7/2019 15:50
Benzo(a)pyrene	U		5.2	8.4	µg/Kg-dry	1	2/7/2019 15:50
Benzo(b)fluoranthene	U		6.3	8.4	µg/Kg-dry	1	2/7/2019 15:50
Benzo(k)fluoranthene	U		6.4	8.4	µg/Kg-dry	1	2/7/2019 15:50
Chrysene	U		6.8	8.4	µg/Kg-dry	1	2/7/2019 15:50
Dibenzo(a,h)anthracene	U		4.5	8.4	µg/Kg-dry	1	2/7/2019 15:50
Fluoranthene	U		4.0	8.4	µg/Kg-dry	1	2/7/2019 15:50
Fluorene	U		6.1	8.4	µg/Kg-dry	1	2/7/2019 15:50
Indeno(1,2,3-cd)pyrene	U		5.9	8.4	µg/Kg-dry	1	2/7/2019 15:50
Naphthalene	U		5.4	8.4	µg/Kg-dry	1	2/7/2019 15:50
Pyrene	U		1.5	8.4	µg/Kg-dry	1	2/7/2019 15:50
Surr: 2-Fluorobiphenyl	52.8			44-107	%REC	1	2/7/2019 15:50
Surr: 4-Terphenyl-d14	68.4			52-123	%REC	1	2/7/2019 15:50
Surr: Nitrobenzene-d5	56.2			41-94	%REC	1	2/7/2019 15:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

PRELIMINARY

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Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260C		Prep: SW5035 / 2/6/19		Analyst: WH
Benzene	U		0.0078	0.046	mg/Kg	1	2/7/2019 12:12
Ethylbenzene	U		0.0096	0.046	mg/Kg	1	2/7/2019 12:12
m,p-Xylene	U		0.022	0.091	mg/Kg	1	2/7/2019 12:12
o-Xylene	U		0.018	0.046	mg/Kg	1	2/7/2019 12:12
Toluene	U		0.012	0.046	mg/Kg	1	2/7/2019 12:12
Xylenes, Total	U		0.039	0.14	mg/Kg	1	2/7/2019 12:12
Surr: 1,2-Dichloroethane-d4	98.8			70-130	%REC	1	2/7/2019 12:12
Surr: 4-Bromofluorobenzene	101			70-130	%REC	1	2/7/2019 12:12
Surr: Dibromofluoromethane	95.0			70-130	%REC	1	2/7/2019 12:12
Surr: Toluene-d8	98.0			70-130	%REC	1	2/7/2019 12:12
MOISTURE							
			Method: SW3550C				Analyst: RZM
Moisture	21		0.10	0.10	% of sample	1	2/7/2019 09:47
PH							
			Method: SW9045D		Prep: EXTRACT / 2/7/19		Analyst: RZM
pH	8.24		0.10	0.100	s.u.	1	2/7/2019 15:01
Temperature	22.4		0.10	0.100	C	1	2/7/2019 15:01

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