

Incident # 1 RMD 0928154955

Table 1, Analytical Results
 McElvain Oil Gas Properties, Inc.
 Wild Fire SWD
 Sec. 26, Twp. 26N, Rng. 2W
 Rio Arriba County, New Mexico
 Project No. 06039-0017

Sample Description	Sample Number	Date	USEPA Method 8021 Benzene (ppm)	USEPA Method 8021 BTEX (ppm)	USEPA Method 418.1 TPH (ppm)	USEPA Method 8015 GRO/DRO (ppm)	OVN (ppm)
NMOCD Standards	NA	NA	10.0	50	1000	1000	100
5 Point Composite	1	10/24/08	0.0026	0.0124	992	23	9.9



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	McElvain Oil & Gas Properties, Inc.	Project #:	06039-0017
Sample No.:	1	Date Reported:	11/26/2008
Sample ID:	5 Point Composite	Date Sampled:	10/24/2008
Sample Matrix:	Soil	Date Analyzed:	10/24/2008
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	992	5.0

ND = Parameter not detected at the stated detection limit.


References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Wild Fire SWD**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Scott Gonzales
Printed


Review

Sherry Auckland
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 24-Oct-08

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	211
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.


Analyst

12-10-08
Date

Scott Gonzales
Print Name


Review

11/26/8
Date

Sherry Auckland

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	McElvain	Project #:	06039-0017
Sample ID:	5pt. Comp.	Date Reported:	10-29-08
Laboratory Number:	47894	Date Sampled:	10-24-08
Chain of Custody:	5634	Date Received:	10-24-08
Sample Matrix:	Soil	Date Analyzed:	10-28-08
Preservative:	Cool	Date Extracted:	10-27-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.6	0.9
Toluene	2.5	1.0
Ethylbenzene	1.5	1.0
p,m-Xylene	3.9	1.2
o-Xylene	1.9	0.9
Total BTEX	12.4	

ND - Parameter not detected at the stated detection limit.

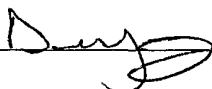
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

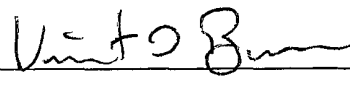
Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Wildfire SWD

Analyst



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Client:	N/A	Project #:	N/A
Sample ID:	10-28-BT QA/QC	Date Reported:	10-29-08
Laboratory Number:	47828	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range	0 - 15%		
Benzene	4.8971E+007	4.9069E+007	0.2%	ND	0.1
Toluene	3.6215E+007	3.6287E+007	0.2%	ND	0.1
Ethylbenzene	2.7584E+007	2.7639E+007	0.2%	ND	0.1
p,m-Xylene	5.9847E+007	5.9967E+007	0.2%	ND	0.1
o-Xylene	2.7347E+007	2.7402E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	4.0	4.1	2.5%	0 - 30%	1.0
Ethylbenzene	2.5	2.4	4.0%	0 - 30%	1.0
p,m-Xylene	5.5	5.6	1.8%	0 - 30%	1.2
o-Xylene	3.1	2.9	6.5%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.0	98.0%	39 - 150
Toluene	4.0	50.0	49.0	90.7%	46 - 148
Ethylbenzene	2.5	50.0	50.5	96.2%	32 - 160
p,m-Xylene	5.5	100	98	92.4%	46 - 148
o-Xylene	3.1	50.0	50.1	94.4%	46 - 148

ND - Parameter not detected at the stated detection limit.

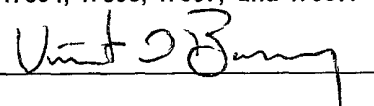
References: Method 5030B, 'Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 47828, 47830, 47873, 47891, 47892, 47894, 47895, 47897, and 47907.

Analyst



Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	McElvain Oil & Gas	Project #:	06039-0017
Sample ID:	5pt. Comp.	Date Reported:	10-29-08
Laboratory Number:	47894	Date Sampled:	10-24-08
Chain of Custody No:	5634	Date Received:	10-24-08
Sample Matrix:	Soil	Date Extracted:	10-27-08
Preservative:	Cool	Date Analyzed:	10-28-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	23.2	0.1
Total Petroleum Hydrocarbons	23.2	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Wildfire SWD**

Analyst

Review

**EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons****Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	10-28-08 QA/QC	Date Reported:	10-29-08
Laboratory Number:	47828	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.0103E+003	1.0107E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9348E+002	9.9387E+002	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

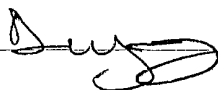
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	246	98.4%	75 - 125%
Diesel Range C10 - C28	ND	250	252	101%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 47828, 47830, 47891, 47892, 47894, 47895, and 47897.

Analyst



Review

