District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company NM&O Operating Company	Contact Cauy Davis or Larry Sweet
Address 15 East 5th Street Ste 3000 Tulsa Ok 74103	Telephone No. 5053206502 or 9185843802
Facility Name Bearcat Fed #1	Facility Type Gas Well

Surface Owner Larry Hatley	Mineral Owner NM&O Operating Co	API No. 30-039-23913

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	22	25N	2W	1660	North	880	East	Rio Arriba

Latitude 36.3785858 **Longitude** -107.034111 NAD83

NATURE OF RELEASE

Type of Release Oil/Condensate	Volume of Release 10-15bbls Approximately	Volume Recovered
Source of Release Tank	Date and Hour of Occurrence 8/27/16	Date and Hour of Discovery 8/27/16
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Sweet	
By Whom? Bryan C Davis	Date and Hour 8/27/16	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

NMOCD
MAR 08 2018
DISTRICT III

Describe Cause of Problem and Remedial Action Taken.*
Lightning Strike on oil tank. Kept an eye on it while it burned out.

Describe Area Affected and Cleanup Action Taken.*
Oil and Condensate released on location. Called OCD Monday morning on 8/28/16, cleaned up oil, stockpiled, put firewall around stockpile. See attached lab results.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Bryan Davis	OIL CONSERVATION DIVISION
Printed Name: Bryan Davis	Approved by Environmental Specialist:
Title: Contractor	Approval Date: 7/27/2018 Expiration Date:
E-mail Address: kd7945@gmail.com	Conditions of Approval: — Attached ☐
Date: 3/8/18 Phone:5053206502	

* Attach Additional Sheets If Necessary

NVF1624333042

20

envirotech

September 28, 2016

Project Number 11168-0003

Mr. Cauy Davis
NM&O Operating
15 East 5th Street, Suite 3000
Tulsa, Oklahoma 74103

Phone: (505) 320-6502

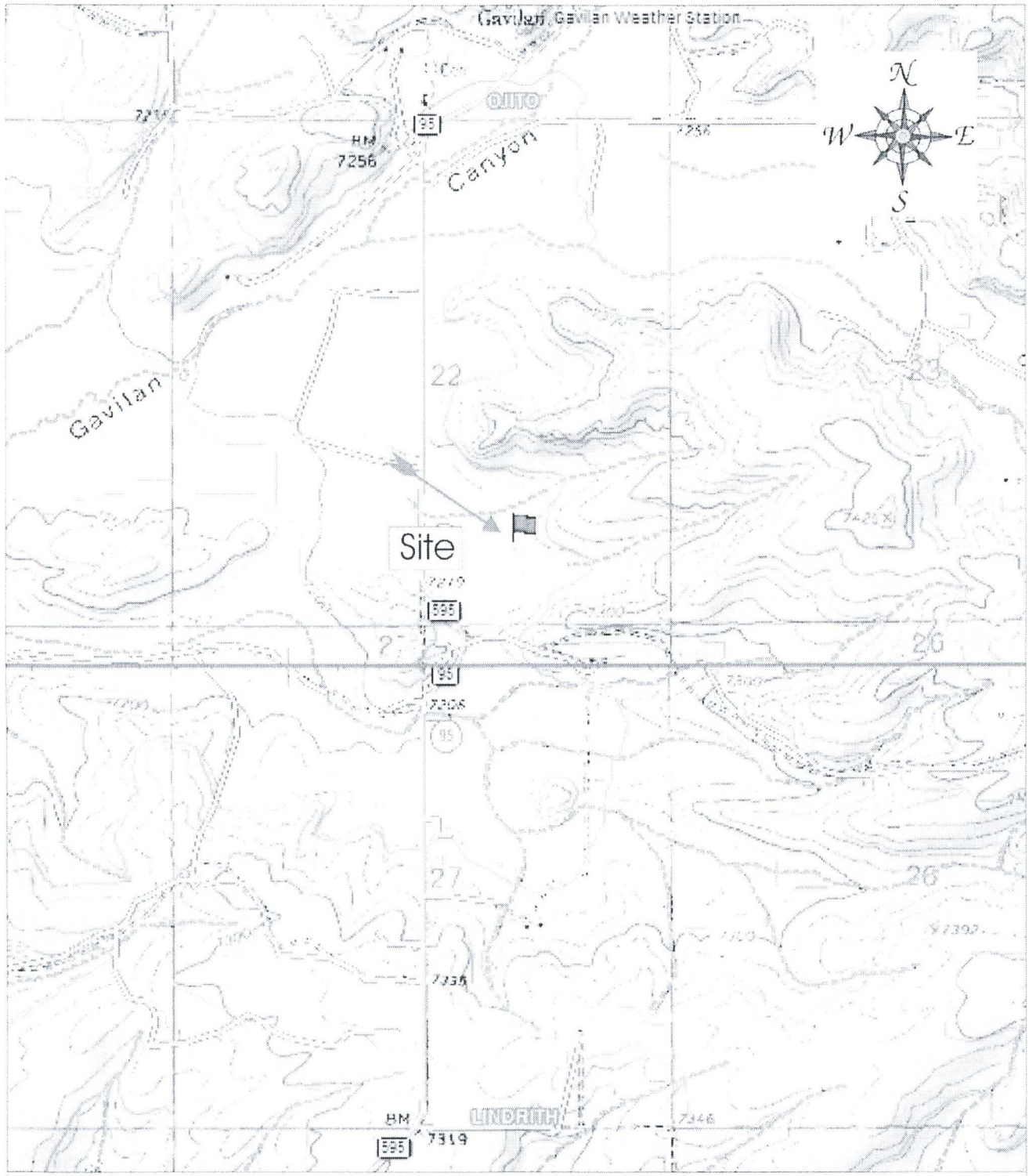
RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE BEARCAT #1 WELL SITE, RIO ARRIBA COUNTY, NEW MEXICO

Dear Mr. Davis,

Enclosed please find the *Vicinity Map, Field Notes*, *Summary of Analytical Results*, and *Analytical Results* for confirmation sampling activities performed at the Bearcat #1 well site located in Section 22, Township 25 North, Range 2 West, Rio Arriba County, New Mexico. The regulatory standards for the site were determined to be in accordance with the New Mexico Oil and Gas Conservation Division (NMOCD) and Bureau of Land Management (BLM) risk ranking criteria. Based on the horizontal distance to surface water being between 200 and 1,000 feet from the location, a depth to groundwater greater than 100 feet, and the well site not being located within a well head protection area, per a conversation with NMOCD representative Vanessa Fields, the regulatory standards were determined to be 1,000 parts per million (ppm) total petroleum hydrocarbons (TPH) Gasoline Range Organics (GRO) and Diesel Range Organics (DRO), 100 ppm organic vapors, 10 ppm benzene, and 50 ppm BTEX.

On September 15, 2016, Envirotech arrived on site. A brief site assessment was conducted and a job safety analysis (JSA) was completed. The area of concern was excavated approximately 100 feet by 50 feet and one (1) foot below ground surface (BGS). The excavated area was divided into two (2) sections, *Section 1* and *Section 2*. One (1) five (5)-point composite sample was collected from each section. The samples were screened in the field for organic vapors using a photoionization detector (PID) and for TPH using USEPA Method 418.1. Both samples returned a result below the regulatory standard TPH and organic vapors; see enclosed ***Field Notes*** and ***Summary of Analytical Results.*** The samples were placed into individual, laboratory-provided, four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015D and benzene and total BTEX using USEPA Method 8021B. The sample returned results below the regulatory standards for all constituents analyzed; see enclosed ***Summary of Analytical Results*** and ***Analytical Results***.

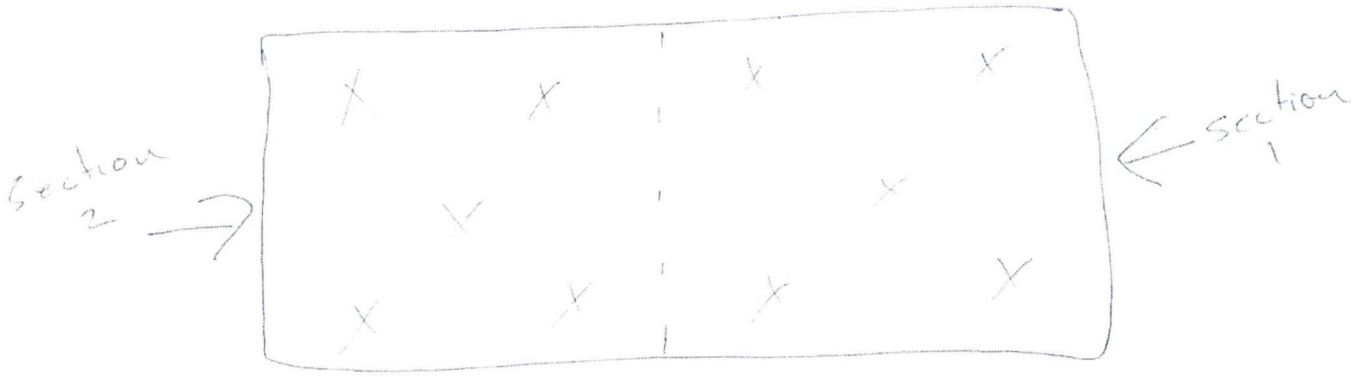
Additionally, one (1) grab sample was collected from the vadose zone of the area where the spoil pile of contaminated soil was staged. The sample was placed into a four (4)-ounce glass, laboratory-provided, jar, capped head space free, and transported on ice under chain of custody to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015D and benzene and total BTEX using USEPA Method 8021B. The sample returned results below the regulatory standards for all constituents



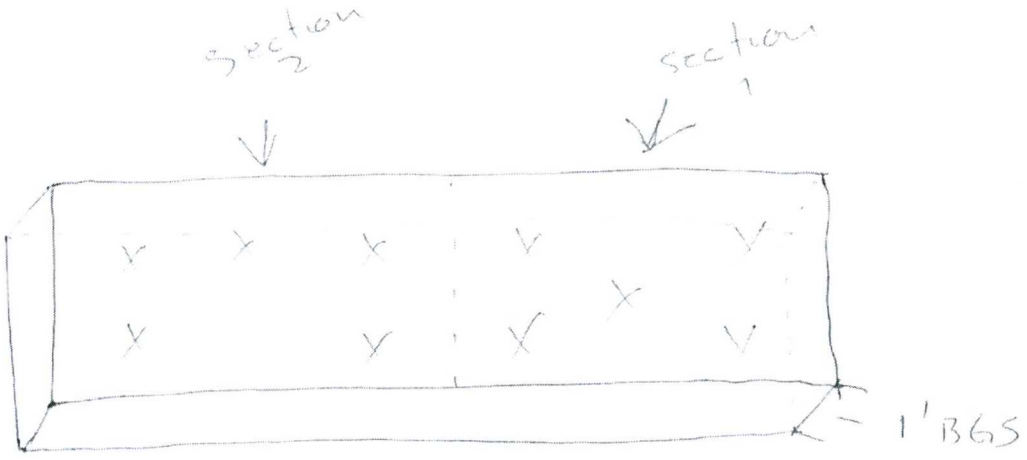
Source: 7.5 Minute,Ojito, New Mexico U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000 1" = 2000'

NM&O Operating Bearcat #1 Section 22 Township 25N Range 2W Rio Arriba County, New Mexico	envirotech ENVIRONMENTAL SCIENTISTS & ENGINEERS	Vicinity Map	
Project Number:11168-0003 / Date Drawn: 10/4/16	5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Figure #1	
		DRAWN BY: Isaac Garcia	PROJECT MANAGER: Felipe Aragon

SPILL PERIMETER:



EXCAVATION PROFILE:



envirotech

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 15-Sep-16

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	206
	500	
	1000	
	5000	

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

Analyst — Date: 10/4/2016

Isaac Garcia
Print Name

Review — Date: 10/4/2016

Felipe Aragon, CES
Print Name

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
info@envirotech-inc.com

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	NM&O Operating	Project #:	11168-0003
Sample No.:	2	Date Reported:	10/4/2016
Sample ID:	Section #2	Date Sampled:	9/15/2016
Sample Matrix:	Soil	Date Analyzed:	9/15/2016
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**812**	**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: **Bearcat #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Analyst

Isaac Garcia
Printed

Review

Felipe Aragon, CES
Printed

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
info@envirotech-inc.com

envirotech
Analytical Laboratory

NM & O	Project Name:	Bloxcat #3	
15 East 5th St, suite 3800	Project Number:	11168-0003	Reported:
Tulsa OK, 74103	Project Manager:	Felipe Aragon	23-Sep-16 17:47

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section 1	P609044-01A	Solid	09/15/16	09/15/16	Glass Jar, 4 oz.
Section 2	P609044-02A	Solid	09/15/16	09/15/16	Glass Jar, 4 oz.
Vadose Sample	P609044-03A	Solid	09/15/16	09/15/16	Glass Jar, 4 oz.

5796 US Highway 64, Farmington, NM 87401 Ph: (505) 632-0615 Fx: (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph: (970) 259-0615 Fx: (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

NM & O	Project Name:	Bearcat #1	
15 East 5th St, suite 3000	Project Number:	11168-0003	Reported:
Tulsa OK, 74103	Project Manager:	Felipe Aragon	23-Sep-16 17:47

Section 2

P609044-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1638020*	*09/16/16*	*09/20/16*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1638020	09/16/16	09/20/16	EPA 8015D	
Diesel Range Organics (C10-C28)	222	25.0	mg/kg	1	1639003	09/21/16	09/22/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*		*50-150*	*1638020*	*09/16/16*	*09/20/16*	*EPA 8015D*	
Surrogate: n-Nonane		*105 %*		*50-200*	*1639003*	*09/21/16*	*09/22/16*	*EPA 8015D*	

envirotech
Analytical Laboratory

NM & O	Project Name:	Bearcat #1	
15 East 5th St. suite 3000	Project Number:	11168-0003	Reported:
Tulsa OK, 74103	Project Manager:	Felipe Aragon	23-Sep-16 17:47

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1638020 - Purge and Trap EPA 5030A										
Blank (1638020-BLK1)				Prepared: 16-Sep-16 Analyzed: 19-Sep-16						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		"	*8.00*		*97.3*	*50-150*			
LCS (1638020-BS1)				Prepared: 16-Sep-16 Analyzed: 19-Sep-16						
Benzene	5.30	0.10	mg/kg	5.00		106	70-130			
Toluene	5.26	0.10	"	5.00		105	70-130			
Ethylbenzene	5.25	0.10	"	5.00		105	70-130			
p,m-Xylene	10.5	0.20	"	10.0		105	70-130			
o-Xylene	5.15	0.10	"	5.00		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		"	*8.00*		*99.2*	*50-150*			
Matrix Spike (1638020-MS1)	Source: P609033-01			Prepared: 16-Sep-16 Analyzed: 19-Sep-16						
Benzene	5.45	0.10	mg/kg	5.00	ND	103	54.3-133			
Toluene	5.08	0.10	"	5.00	ND	102	61.4-130			
Ethylbenzene	5.09	0.10	"	5.00	ND	102	61.4-133			
p,m-Xylene	10.1	0.20	"	10.0	ND	102	63.3-131			
o-Xylene	4.94	0.10	"	5.00	ND	98.8	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		"	*8.00*		*99.4*	*50-150*			
Matrix Spike Dup (1638020-MSD1)	Source: P609033-01			Prepared: 16-Sep-16 Analyzed: 19-Sep-16						
Benzene	5.49	0.10	mg/kg	5.00	ND	110	54.3-133	6.30	20	
Toluene	5.41	0.10	"	5.00	ND	108	61.4-130	6.26	20	
Ethylbenzene	5.42	0.10	"	5.00	ND	108	61.4-133	6.37	20	
p,m-Xylene	10.8	0.20	"	10.0	ND	108	63.3-131	6.24	20	
o-Xylene	5.23	0.10	"	5.00	ND	105	63.3-131	6.48	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.00*		"	*8.00*		*100*	*50-150*			

envirotech
Analytical Laboratory

KM & O	Project Name:	Bearcat #1	
15 East 5th St. suite 3900	Project Number:	11168.0003	Reported:
Tulsa OK, 74103	Project Manager:	Felipe Aragon	23-Sep-16 17:47

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1639004 - DRO Extn/H2SO4 Cleanup EPA 3570/3665A										
Blank (1639004-BLK1)				Prepared: 20-Sep-16 Analyzed: 21-Sep-16						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	*56.2*		"	*50.0*		*112*	*50-200*			
LCS (1639004-BS1)				Prepared: 20-Sep-16 Analyzed: 21-Sep-16						
Diesel Range Organics (C10-C28)	445	25.0	mg/kg	500		89.0	38-132			
Surrogate: n-Nonane	*52.5*		"	*50.0*		*105*	*50-200*			
Matrix Spike (1639004-MS1)	**Source: P609033-01**			Prepared: 20-Sep-16 Analyzed: 21-Sep-16						
Diesel Range Organics (C10-C28)	490	25.0	mg/kg	500	ND	97.9	38-132			
Surrogate: n-Nonane	*48.4*		"	*50.0*		*96.8*	*50-200*			
Matrix Spike Dup (1639004-MSD1)	**Source: P609033-01**			Prepared: 20-Sep-16 Analyzed: 21-Sep-16						
Diesel Range Organics (C10-C28)	484	25.0	mg/kg	500	ND	96.7	38-132	1.22	20	
Surrogate: n-Nonane	*46.9*		"	*50.0*		*93.8*	*50-200*			

Client:

Project:

Sampler:

Phone:

Email(s):

Project Manager:

RUSH?
- [ ] 1d
- [ ] 3d

Lab Use Only	
Lab WO#	P609044
Job Number	11163-0003

Page (of)

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0						Lab Number	Correct Cont./Presv (s) Y/N
					Analysis and Method									Lab Only	
	9/15/16	10:52	S	1 8oz glass cool	X	X								1	Y
		11:41												2	
		11:50												3	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/15/16	16:05		9/15/16	16:08
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

**Received on Ice (Y) / N

T1_____ T2_____ T3_____

AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

- [ ] Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

ice in cooler - 4y

envirotech
Analytical Laboratory