

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 5 th 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
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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: <i>Bryan Davis</i>	OIL CONSERVATION DIVISION
Printed Name: Bryan Davis	Approved by Environmental Specialist: <i>[Signature]</i>
Title: Contractor	Approval Date: 4/5/18 Expiration Date:
E-mail Address: kd7945@gmail.com	Conditions of Approval: Attached ☐
Date: 3/8/18 Phone: 5053206502	

* Attach Additional Sheets If Necessary

#NUF1624333042

20



September 28, 2016

Project Number 11168-0003

Mr. Cauby 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

analyzed; see enclosed *Summary of Analytical Results* and *Analytical Results*. Based on the analytical results, Envirotech-Inc. recommends *No Further Action* in regards to this project.

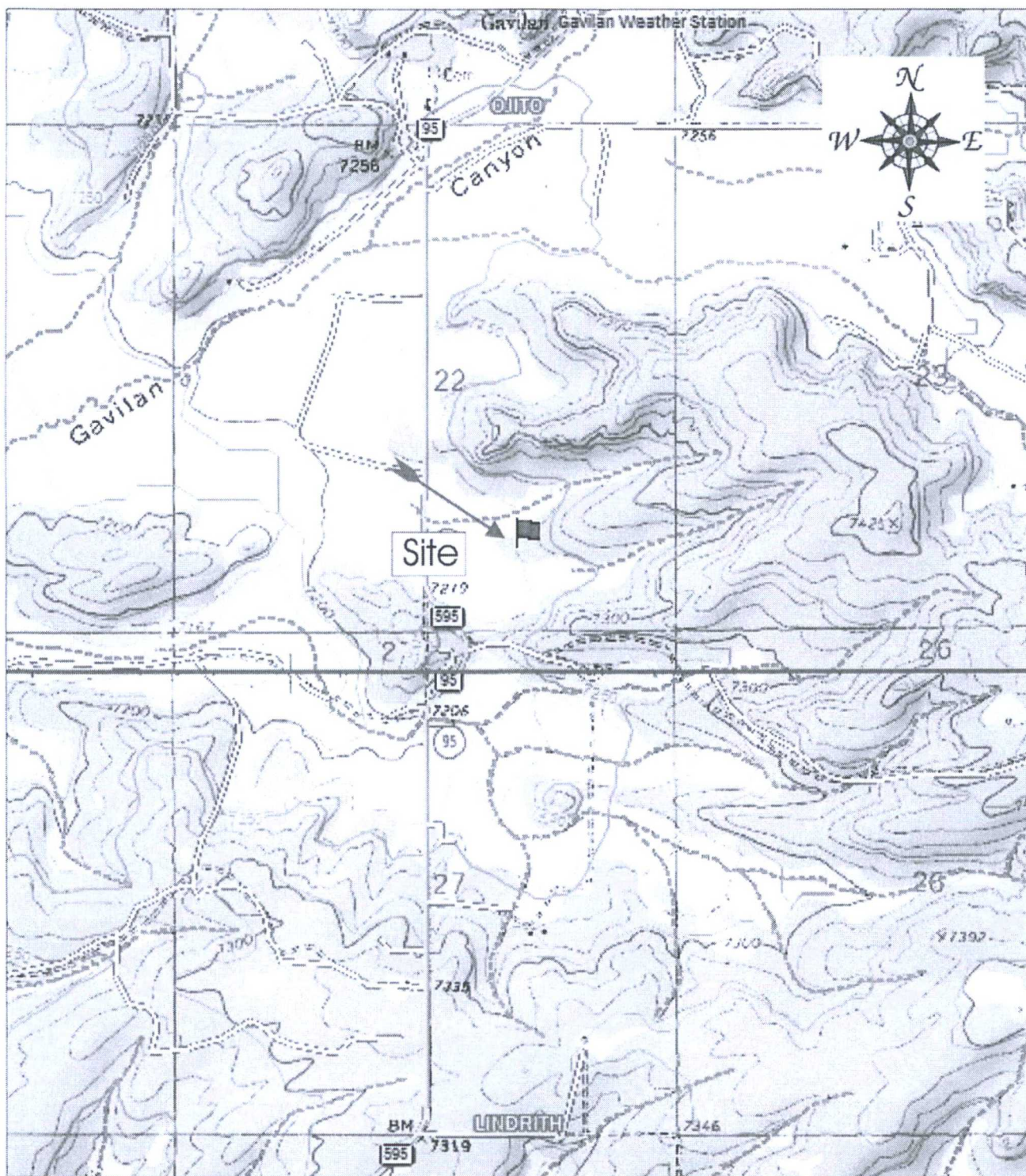
We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.


Isaac Garcia
Environmental Field Technician
igarcia@envirotech-inc.com

Enclosure(s): Field Notes
Summary of Analytical Results
Analytical Results

Cc: Client File Number 11168



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 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map	
Project Number: 11168-0003 Date Drawn: 10/4/16		DRAWN BY: Isaac Garcia	Figure #1 PROJECT MANAGER: Felipe Aragon

CLIENT: <u>NM + O operating</u>	 envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Envmtl. Spclst: <u>J. Garcia</u>
CLIENT/JOB #: <u>11168-0003</u>		C.O.C. No: _____
START DATE: <u>9/15/16</u>		LAT <u>36.37859342</u>
FINISH DATE: <u>9/15/16</u>		LONG <u>-107.034134</u>
Page # <u>1</u> of <u>1</u>		

Field Report: Spill Closure Verification

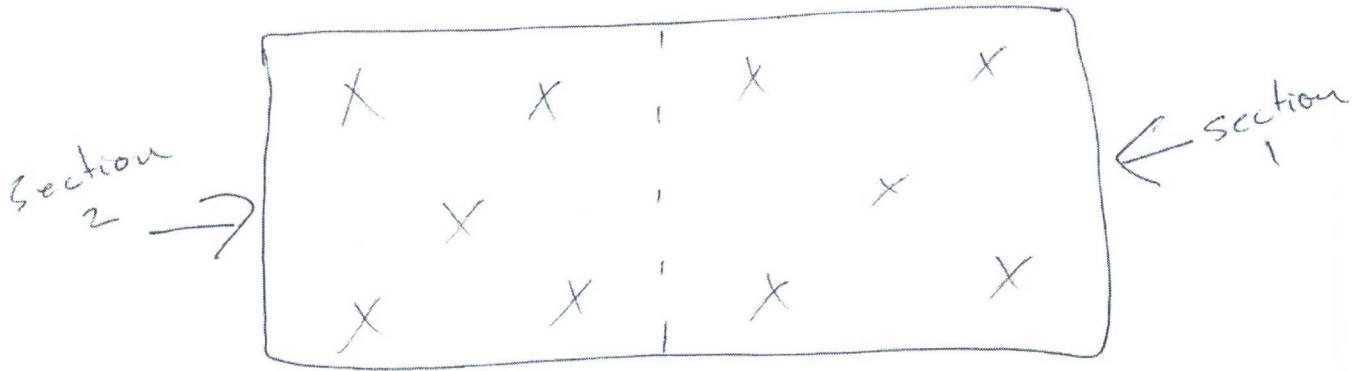
NMOCD Ranking: <u>10</u>	Depth to GW: <u>2100</u>	WH Protection Area: ☒ No ☐ Yes
NMOCD TPH Closure Std.: <u>1,000</u>	Distance to SW: <u>200-1000</u>	
LOCATION: Name: <u>Bearcat</u>	Well #: <u>1</u>	API: _____
County: <u>Rio Arriba</u>	State: <u>New Mexico</u>	
Cause of Release: <u>lightning striking a tank</u>	Material Released: <u>crude oil</u>	Amt. Released: <u>10-15 BBLs</u>
QUAD/UNIT: _____	SEC: <u>22</u>	TWP: <u>25N</u>
	RNG: <u>2W</u>	PM: _____
Wellhead Lat/Long: _____	Land Jurisdiction: _____	QTR Footage: _____
Spill Located Approximately: <u>150</u> FT.	FROM <u>Well head</u>	
Excavation Approx: <u>100</u> FT. X <u>5</u> FT. X <u>1' BGS</u> FT.	Cubic Yardage: _____	
Disposal Facility: _____	Remediation Method: <u>Excavation</u>	
Land Use: _____	Lease: _____	Land Owner: _____

FIELD 418.1 ANALYSIS

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 standard	12:06					206	
Section #1	12:27		5	20	4	112	448
Section #2	12:31		5	20	4	203	812

OVM Results				Lab Testing		
Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)	Sample ID	Analysis Type	Time
Section #1	2.9					
Section #2	3.5					

SPILL PERIMETER: Draw a schematic of the spill site.



EXCAVATION PROFILE:

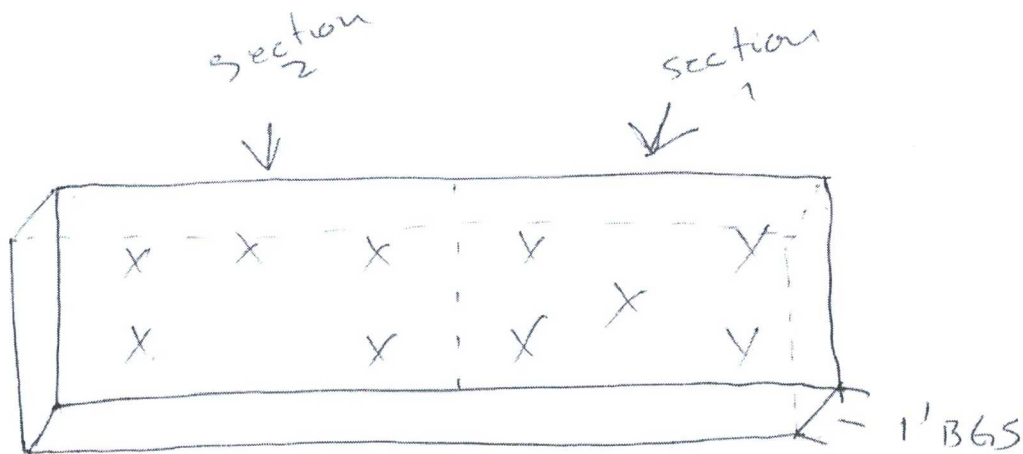


Table 1, Summary of Analytical Results

NM Operating

Bearcat #1

Confirmation Sampling Report

Project Number 11168-0003

Date	Sample Description	Sample Number	PID OV (mg/kg)	USEPA Method 418.1 TPH (mg/kg)	USEPA Method 8015 TPH (GRO+DRO) (mg/kg)	USEPA Method 8021	
						Benzene (mg/kg)	BTEX (mg/kg)
NA	New Mexico Oil Conservation Division Standards	NA	100	1,000	1,000	10	50
9/15/2016	Section #1	1	2.9	448	54	ND	ND
9/15/2016	Section #2	2	2.5	812	222	ND	ND
9/15/2016	Vadose sample	3	NS	NS	102	ND	ND

*Values in **BOLD** above regulatory limits

*NS - Parameter not sampled *ND - Parameter not detected

*Closure Sample



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	206
	200	
	500	
	1000	
	5000	

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

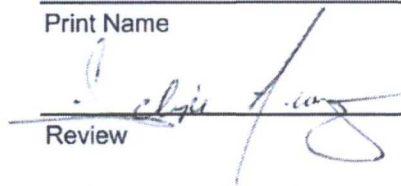


Analyst

10/4/2016
Date

Isaac Garcia

Print Name



Review

10/4/2016
Date

Felipe Aragon, CES

Print Name



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: NM&O Operating
Sample No.: 1
Sample ID: Section #1
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 11168-0003
Date Reported: 10/4/2016
Date Sampled: 9/15/2016
Date Analyzed: 9/15/2016
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	448	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**

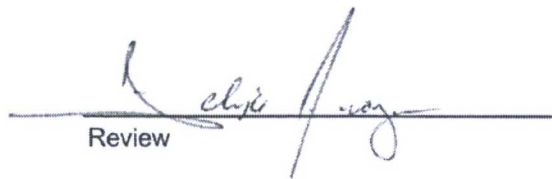
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Isaac Garcia

Printed



Review

Felipe Aragon, CES

Printed



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.

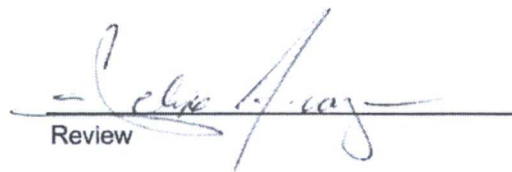
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Bearcat #1**

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


Analyst

Isaac Garcia
Printed


Review
Felipe Aragon, CES
Printed



Analytical Report

Report Summary

Client: NM & O

Chain Of Custody Number:

Samples Received: 9/15/2016 4:08:00PM

Job Number: 11168-0003

Work Order: P609044

Project Name/Location: Bearcat #1

Report Reviewed By:

Date: 9/23/16

Walter Hinchman, Laboratory Director

Date: 9/23/16

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



NM & O
15 East 5th St. suite 3000
Tulsa OK, 74103

Project Name: Beatcat #1
Project Number: 11168-0003
Project Manager: Felipe Aragon

Reported:
23-Sep-16 17:47

Analytical 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.

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envirotech-inc.com
laboratory@envirotech-inc.com



NM & O
15 East 5th St. suite 3000
Tulsa OK, 74103

Project Name: Bearcat #1
Project Number: 11168-0003
Project Manager: Felipe Aragon

Reported:
23-Sep-16 17:47

Section 1
P609044-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %		50-150		1638020	09/16/16	09/19/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1638020	09/16/16	09/19/16	EPA 8015D	
Diesel Range Organics (C10-C28)	54.0	25.0	mg/kg	1		1639004	09/21/16	09/22/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %		50-150		1638020	09/16/16	09/19/16	EPA 8015D	
Surrogate: n-Nonane		98.6 %		50-200		1639004	09/21/16	09/22/16	EPA 8015D	

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

Section 2
P609044-02 (Solid)

Analyte	Result	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units							
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	1639004	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	1639004	09/21/16	09/22/16	EPA 8015D		

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NM & O
15 East 5th St. suite 3000
Tulsa OK, 74103

Project Name: Bearcat #1
Project Number: 11168-0003
Project Manager: Felipe Aragon

Reported:
23-Sep-16 17:47

Vadose Sample
P609044-03 (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-FID		98.4 %		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)	102	25.0	mg/kg	1	1639004	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		97.8 %		50-200	1639004	09/21/16	09/22/16	EPA 8015D	

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NM & O
15 East 5th St. suite 3000
Tulsa OK, 74103

Project Name: Bearcat #1
Project Number: 11163-0003
Project Manager: Felipe Aragon

Reported:
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	5.15	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	109	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	5.27	0.10	"	5.00	ND	105	63.3-131	6.48	20	
Surrogate: 4-Bromochlorobenzene-PID	8.00		"	8.00		100	50-150			

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

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 1638020 - Purge and Trap EPA 5030A										
Blank (1638020-BLK1)					Prepared: 16-Sep-16 Analyzed: 19-Sep-16					
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		"	8.00		101	50-150			
LCS (1638020-BS1)					Prepared: 16-Sep-16 Analyzed: 19-Sep-16					
Gasoline Range Organics (C6-C10)	67.2	20.0	mg/kg	60.9		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.41		"	8.00		105	50-150			
Matrix Spike (1638020-MS1)					Source: P609033-01	Prepared: 16-Sep-16 Analyzed: 19-Sep-16				
Gasoline Range Organics (C6-C10)	64.2	20.0	mg/kg	60.9	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		"	8.00		103	50-150			
Matrix Spike Dup (1638020-MSD1)					Source: P609033-01	Prepared: 16-Sep-16 Analyzed: 19-Sep-16				
Gasoline Range Organics (C6-C10)	66.3	20.0	mg/kg	60.9	ND	109	70-130	3.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		"	8.00		99.4	50-150			

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

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	52.3		"	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	46.5		"	50.0		93.0	50-200			

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

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Client: NM + O
 Project: Remediation #1
 Sampler: E. Garcia
 Phone: _____
 Email(s): Esacae
 Project Manager: Felipe Hagan

RUSH?

☐ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only	
Lab WO#		GRO/DRO by 8015 + 60°C	BTEX by 8021	TPH by 418.1	Chloride by 300.0				
Job Number									
P609044									
11165-0003									

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015 + 60°C	BTEX by 8021	TPH by 418.1	Chloride by 300.0							Lab Number	Correct Cont/Prsrv (s) Y/N
Section 1	9/15/16	11:42	S	1.402/G/cool	XX										1	Y
Section 2	L	11:48	L	L	11										2	L
Unlabeled sample	L	11:52	L	L	11										3	L

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
<i>[Signature]</i>	9/15/16	16:08	<i>[Signature]</i>	9/15/16	16:08	**Received on Ice ☒ / N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2
						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 - A



11165-0003-0003, Washington, DC 20001
 11165-0003-0003, Suite 111, Dupont Circle NW 20036

PH 202-638-0015 FX 202-638-0006
 PH 202-638-0015 FX 202-638-0006

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