

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-039-25574

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company	Contact Kelsi Harrington	
Address 3401 E. 30th St., Farmington, NM 87402	Telephone No. 505-599-3403	
Facility Name San Juan 29-7 Unit 4A	Facility Type Gas Well API#3003925574	
Surface Owner Private	Mineral Owner Federal	Lease No. SF-079514

LOCATION OF RELEASE

Unit Letter E	Section 10	Township 29N	Range 07W	Feet from the 1980'	North/South Line North	Feet from the 595'	East/West Line West	County Rio Arriba
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Latitude **36.74199° N** Longitude **-107.56468° W**

NATURE OF RELEASE

Type of Release – 2% KCl Water & Natural Gas	Volume of Release – 10 BBL (2% KCl & 198 MCF natural gas)	Volume Recovered – 0 BBL
Source of Release: Wellhead	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 12/6/2010 12:39 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour –	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken.* **On December 6, 2010, it was discovered that the nipple below the master valve on the Mesa Verde side was cracked due to fatigue. Upon discovery, a pump truck was called to location to shut-in the well. There was no loss of well control.**

Describe Area Affected and Cleanup Action Taken.* **During the pump operation, approximately 10 BBL of 2%KCl was released. It is estimated that 198 MCF natural gas was released as well. All fluid remained on location and no fluid was recovered. Confirmation sampling occurred and analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is needed.**

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>Kelsi Harrington</i>	OIL CONSERVATION DIVISION	
Printed Name: Kelsi Harrington	Approved by District Supervisor: <i>Jonathan D. Kelly</i>	
Title: Environmental Consultant	Approval Date: <i>1/11/2012</i>	Expiration Date:
E-mail Address: kelsi.g.harrington@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/16/10	Phone: 505-599-3403	

* Attach Additional Sheets If Necessary



nJK1201131510



January 19, 2010

Project Number 92115-1534

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403
Fax: (505) 599-4005


**RE: SPILL ASSESSMENT DOCUMENTATION FOR THE SAN JUAN 29-7 #4A (hBr) WELL SITE,
RIO ARriba COUNTY, NEW MEXICO**

Dear Ms. Harrington:

Attached please find the field notes and analytical results for spill assessment activities performed at the San Juan 29-7 #4A (hBr) well site located in Section 10, Township 27 North, Range 4 West, Rio Arriba County, New Mexico. Upon Envirotech's arrival on December 14, 2010, a brief site assessment was conducted. The regulatory standard for the site was determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors due to distance to surface water less than 200 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases. The potassium chloride leak was from the well head. One (1) composite sample was collected from the surface of the spill area. The sample was screened in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). The surface composite returned results of 1420 ppm TPH and non-detect for organic vapors, which is above the regulatory limit for TPH. Based on the field results, spill delineation was performed to determine the extents of the spill; see attached *Field Notes*. The surface composite sample was collected into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015. The sample returned results below the regulatory standards for TPH; see attached *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

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

Respectfully submitted,
ENVIROTECH, INC.


Brian Williamson
Environmental Field Technician
bwilliamson@envirotech-inc.com

Enclosure(s): Field Notes
Analytical Results

Cc: Client File 92115

COPC



(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 84, Farmington, NM 87401

C.O.C. No:

PAGE NO: 1 OF 1

DATE STARTED: 12-14-10

DATE FINISHED: 12-14-10

ENVIRONMENTAL

SPECIALIST: RW

EXCAVATION APPROX: N/A FT. X FT. X FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: N/A

REMEDIA TION METHOD: N/A

LAND USE: Grazing

LEASE: 3003975574

LAND OWNER: RLM

CAUSE OF RELEASE: KCI leak

MATERIAL RELEASED: ~~CONFIDENTIAL~~ KC 1

SPILL LOCATED APPROXIMATELY: around well head FROM

DEPTH TO GROUNDWATER: NEAREST WATER SOURCE:

NEAREST SURFACE WATER: < 200

NMOC D RANKING SCORE: 0 20

NMOCD TPH CLOSURE STD: 100

PPM

SOIL AND EXCAVATION DESCRIPTION:

Rush - 5pt Comp - 8015-TPH
5pt-5' from wellhead around well head

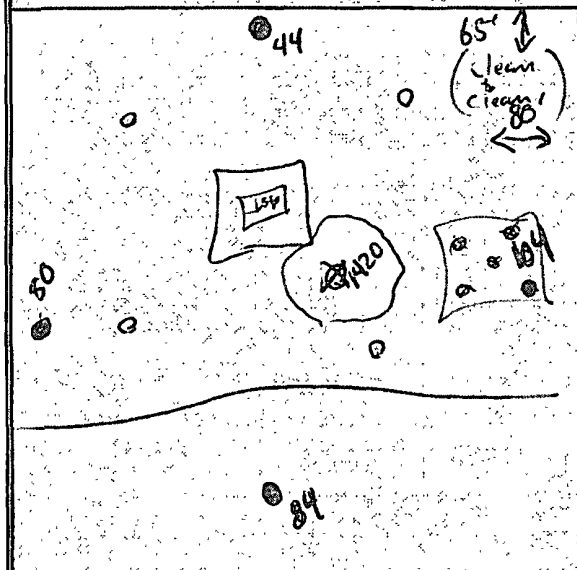
11:45 STD 246 → 247

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
Spt Comp WH	11:50	(1)		5	20	4	355	1420
Spt East WH	12:04	(2)		5	20	4	26	104
Corner Composite	12:24	(3)		5	20	4	481	1924
West 2	12:39	(4)		5	20	4	20	80
North 2	12:52	(5)		5	20	4	11	44
South 2	13:08	(6)		5	20	4	21	84
1' Deep	13:27	(7)		5	20	4	112	448
2.5' Deep	13:36	(8)		5	20	4	19	76

SPILL PERIMETER

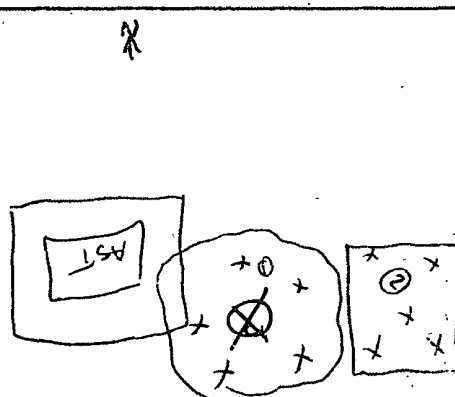
OVM RESULTS

SPILL PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	

LAB SAMPLES

[illegible]**TRAVEL NOTES:**

CALLED OUT:

ONSITE:

11:45

i. ffp 14:30



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Conoco Phillips	Project #:	92115-1534
Sample No.:	1	Date Reported:	12/20/2010
Sample ID:	5 Point Surface Composite	Date Sampled:	12/14/2010
Sample Matrix:	Soil	Date Analyzed:	12/14/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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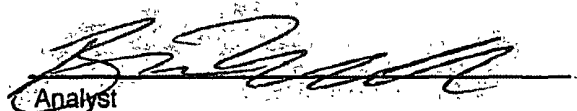
Total Petroleum Hydrocarbons	1,420	5.0
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ND = Parameter not detected at the stated detection limit.

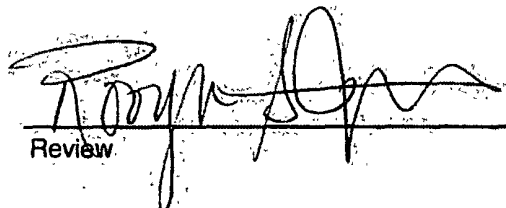
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-7 #4A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Barian Williamson, FT
Printed


Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Conoco Phillips	Project #:	92115-1534
Sample No.:	2	Date Reported:	12/20/2010
Sample ID:	East 1 Composite	Date Sampled:	12/14/2010
Sample Matrix:	Soil	Date Analyzed:	12/14/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

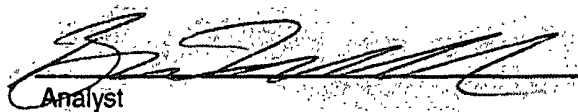
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	104	5.0

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.

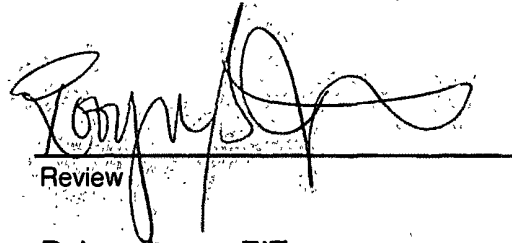
Comments: **San Juan 29-7 #4A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Barian Williamson, FT
Printed



Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: Conoco Phillips
Sample No.: 3
Sample ID: Corner Composite
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1534
Date Reported: 12/20/2010
Date Sampled: 12/14/2010
Date Analyzed: 12/14/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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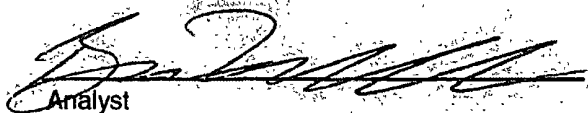
Total Petroleum Hydrocarbons	1,920	5.0
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ND = Parameter not detected at the stated detection limit.

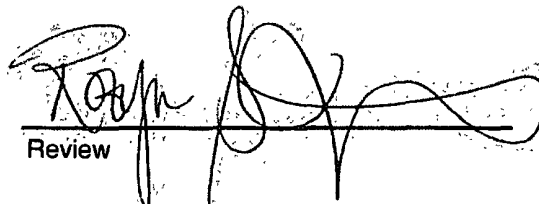
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-7 #4A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Barian Williamson, FT
Printed


Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: Conoco Phillips
Sample No.: 4
Sample ID: West 2
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1534
Date Reported: 12/20/2010
Date Sampled: 12/14/2010
Date Analyzed: 12/14/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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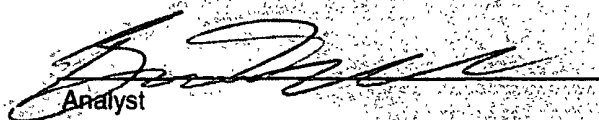
Total Petroleum Hydrocarbons	80	5.0
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ND = Parameter not detected at the stated detection limit.

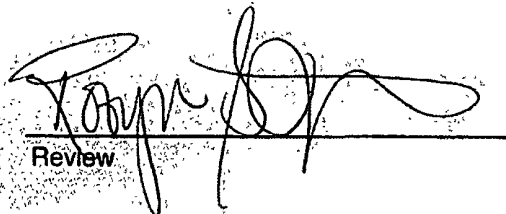
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: San Juan 29-7 #4A (hBr)

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Barian Williamson, FT
Printed


Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: Conoco Phillips
Sample No.: 5
Sample ID: North 2
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1534
Date Reported: 12/20/2010
Date Sampled: 12/14/2010
Date Analyzed: 12/14/2010
Analysis Needed: TPH-418.1

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

44

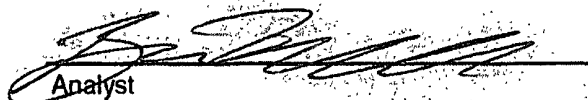
5.0

ND = Parameter not detected at the stated detection limit.

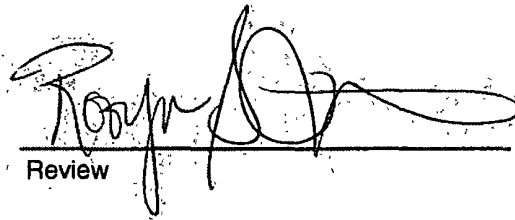
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-7 #4A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Barian Williamson, FT
Printed


Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: Conoco Phillips
Sample No.: 6
Sample ID: South 2
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1534
Date Reported: 12/20/2010
Date Sampled: 12/14/2010
Date Analyzed: 12/14/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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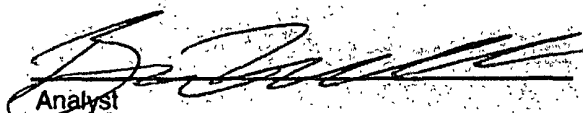
Total Petroleum Hydrocarbons	84	5.0
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ND = Parameter not detected at the stated detection limit.

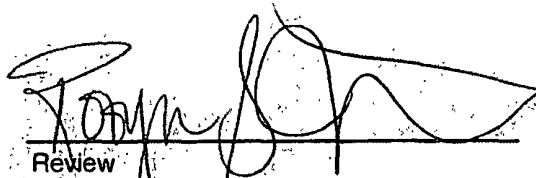
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-7 #4A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Barian Williamson, FT
Printed


Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: Conoco Phillips
Sample No.: 7
Sample ID: 1' deep
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1534
Date Reported: 12/20/2010
Date Sampled: 12/14/2010
Date Analyzed: 12/14/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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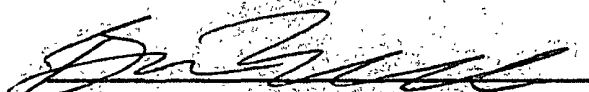
Total Petroleum Hydrocarbons	448	5.0
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ND = Parameter not detected at the stated detection limit..

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


Comments: **San Juan 29-7 #4A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Barian Williamson, FT
Printed



Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: Conoco Phillips
Sample No.: 8
Sample ID: 2.5' deep
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1534
Date Reported: 12/20/2010
Date Sampled: 12/14/2010
Date Analyzed: 12/14/2010
Analysis Needed: TPH-418.1

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

76

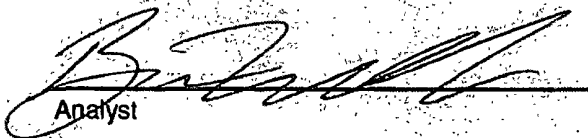
5.0

ND = Parameter not detected at the stated detection limit.

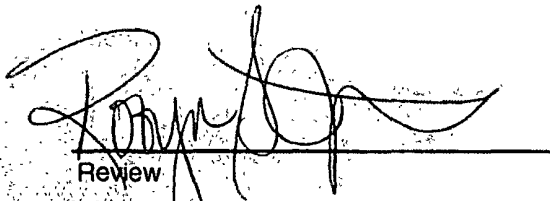
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-7 #4A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Barian Williamson, FT
Printed


Review
Robyn Jones, EIT
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 14-Dec-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	246	247
	500	
	1000	

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


Analyst

12/17/2010
Date

Barian Williamson, FT
Print Name


Review

12/17/2010
Date

Robyn Jones, EIT
Print Name



envirotech
Analytical Laboratory

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**


Client:	ConocoPhillips	Project #:	92115-1534
Sample ID:	5 Pt Comp Around Wellhead	Date Reported:	12-15-10
Laboratory Number:	56766	Date Sampled:	12-14-10
Chain of Custody No:	10900	Date Received:	12-14-10
Sample Matrix:	Soil	Date Extracted:	12-15-10
Preservative:	Cool	Date Analyzed:	12-15-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.8	0.2
Diesel Range (C10 - C28)	7.1	0.1
Total Petroleum Hydrocarbons	7.9	

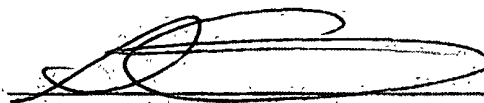
ND - Parameter not detected at the stated detection limit.

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

Comments: **San Juan 29-7 #4A**



Analyst



Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-15-10 QA/QC	Date Reported:	12-15-10
Laboratory Number:	56739	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-15-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	12-15-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	12-15-10	9.9960E+002	1.0000E+003	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

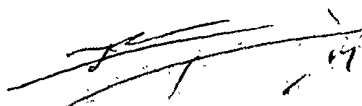
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	790	793	0.3%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	248	99%	75 - 125%
Diesel Range C10 - C28	790	250	1,040	100%	75 - 125%

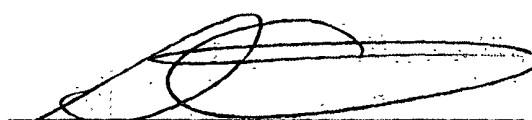
ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 56739, 56759 and 56766



 Analyst



 Review

CHAIN OF CUSTODY RECORD RUS# 10900

Client: COPC		Project Name / Location: San Juan 29-7 #4A		ANALYSIS / PARAMETERS																							
Client Address:		Sampler Name: BRIAN WILLIAMSON																									
Client Phone No.:		Client No.: 92115-1534																									
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	PCl	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact			
5pt Composite around well head	12/14/10	11:50	56766	Soil Solid	Sludge Aqueous	1-4oz			X	X													Y	Y			
				Soil Solid	Sludge Aqueous																						
				Soil Solid	Sludge Aqueous																						
				Soil Solid	Sludge Aqueous																						
				Soil Solid	Sludge Aqueous																						
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				Soil Solid	Sludge Aqueous																						
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date				Time													
				12/14/10	18:36					12/14/10				18:36													
Relinquished by: (Signature)						Received by: (Signature)																					
Relinquished by: (Signature)						Received by: (Signature)																					
RUSH																											
5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com																											