

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 August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips Company	Contact Crystal Tafoya
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9837
Facility Name: Lindrieth B Unit 78	Facility Type: Gas Well

Surface Owner BLM	Mineral Owner BLM (SF-078907)	API No. 30-039-25066
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LOCATION OF RELEASE

Unit Letter L	Section 6	Township 24N	Range 2W	Feet from the 2030	North/South Line South	Feet from the 143	East/West Line West	County Rio Arriba
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Latitude 36.337978 Longitude 107.09821

NATURE OF RELEASE


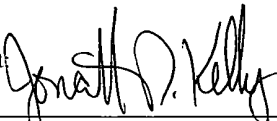
Type of Release Produced Fluids	Volume of Release 378 yds	Volume Recovered
Source of Release Below Grade Tank	Date and Hour of Occurrence 3/28/2012	Date and Hour of Discovery
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	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.* N/A	RCVD AUG 29 '12 OIL CONS. DIV.
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Describe Cause of Problem and Remedial Action Taken.* Below Grade Tank Closure Activities	DIST. 3
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Describe Area Affected and Cleanup Action Taken.* Historical hydrocarbon impacted soil was found during the BGT closure for the subject well. The excavation was 30'X50'X5' and 378yds of soil was transported to TNT landfarm and 378yds of clean soil was transported from Aztec Machine and TNT landfarm and placed in the excavation site. The soil sampling report is attached for review.

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: 		OIL CONSERVATION DIVISION	
Printed Name: Crystal Tafoya		Approved by Environmental Specialist: 	
Title: Field Environmental Specialist		Approval Date: 9/10/2012	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8/28/12 Phone: (505) 326-9837			

* Attach Additional Sheets If Necessary

n5K1225052053



May 17, 2012

Project Number 96052-2143

Ms. Ashley Maxwell
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 324-5140
Cell: (505) 215-8529

RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE LINDRITH B # 78 RIO ARRIBA COUNTY, NEW MEXICO

Dear Ms. Maxwell:

Enclosed please find the field notes and analytical results for confirmation sampling activities performed at the Lindrith B #78 well site located in Section 6, Township 24 North, Range 2 West, Rio Arriba County, New Mexico. Upon Envirotech personnel's arrival on March 28, 2012, a brief site assessment was conducted. The regulatory standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors due to depth to ground water between 50 and 100 feet and distance to surface water between 200 and 1000 feet pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.


Prior to Envirotech personnel's arrival, the area of the release had been excavated to extents of approximately 46 feet by 32 feet by five (5) feet deep. Five (5) composite samples were collected from the excavation. One (1) sample was collected from each of the four (4) walls, and one (1) sample was collected from the bottom at five (5) feet below ground surface (BGS). The samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). The samples collected from the bottom of the excavation, the north, south and east walls of the excavation returned results above the regulatory standards for TPH, but below regulatory standards for organic vapors. The sample collected from the west wall returned results below regulatory standards for both TPH and organic vapors; see enclosed **Field Notes**. The sample collected from the bottom was collected into a four (4) ounce 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 samples collected from the bottom of the excavation and west wall returned results below regulatory standards for TPH. Envirotech recommended further excavation on the north, south and east walls, and then re-sampling for closure.

The excavation was extended to the dimensions of 55 feet by 34 feet by five (5) feet deep. Three (3) five (5)-point composite samples were collected from the excavation; one (1) from the north wall, one (1) from the south wall and one (1) from the east wall. The samples were analyzed in the field for TPH using USEPA Method 418.1 and organic vapors using a PID. The samples

returned results above regulatory standards for TPH, but below regulatory standards for organic vapors; see enclosed *Field Notes*. The samples from the north, south and east walls were collected into four (4) ounce jars, capped headspace free and transported on ice to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015. The samples returned results below regulatory standards for TPH; see enclosed *Analytical Results*. Therefore, Envirotech, Inc. recommends no further action in regards to this incident.

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.


Kory Peine
Environmental Field Technician
kpeine@envirotech-inc.com

Enclosure(s): Field Notes
Analytical Results

Cc: Client File Number 96052

Client: Conoco Phillips	 envirotech <small>(505) 632-0815 (800) 382-1678 5798 U.S. Hwy 64, Farmington, NM 87401</small>	Project No: 96052-2143 COC No: 13660
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FIELD REPORT: SPILL CLOSURE VERIFICATION		PAGE NO: 1 OF 2
LOCATION: NAME: Lindeth B WELL #: 78	DATE STARTED: 3-28-12	
QUAD/UNIT: L SEC: 6 TWP: 24 N RNG: 2 W PM: N.M. CNTY: RAST: N.M.	DATE FINISHED: 3-28-12	
QTR/FOOTAGE: 20 30 FSL 143 FwL CONTRACTOR: M.M.T	ENVIRONMENTAL SPECIALIST: K. Peine	

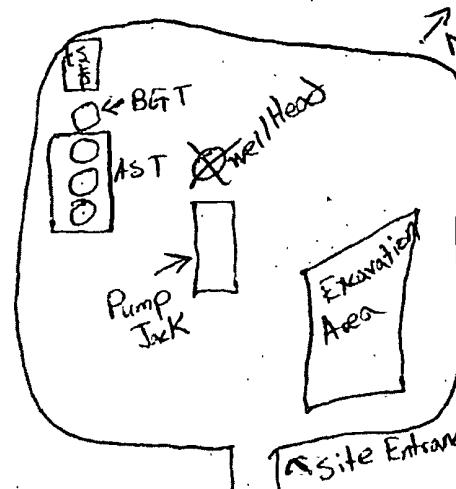
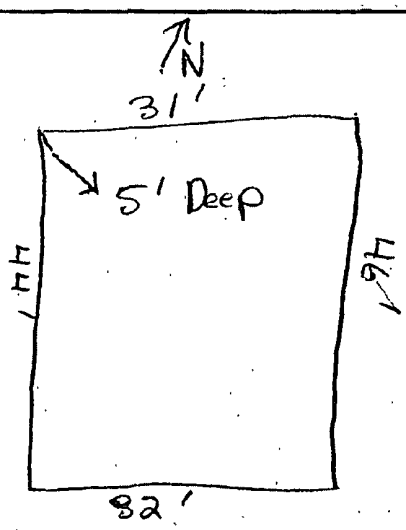
EXCAVATION APPROX: 32' FT. X 46' FT. X 5' FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: Envirotech Landfarm #2 REMEDIATION METHOD: Removal
LAND USE: Grazing LEASE: SF-078907 LAND OWNER: Federal
CAUSE OF RELEASE: Above Surface Storage Tank MATERIAL RELEASED: Hydrocarbons

SPILL LOCATED APPROXIMATELY: 76' FT. 135° FROM Well Head
DEPTH TO GROUNDWATER: 50' 100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: 225'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION: - Ashley Maxwell Asked at 10:50 AM to collect into 4 oz jars Soil From Bottom, South, East and North walls after Excavation was complete.

★ ★ This was First Excavation ★ ★

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	ML FREON	DILUTION	READING	CALC. ppm
Standard	9:45	Std	-	-	-	-	201	201
North Wall	10:00	1	-	5	20	4	197	788
East Wall	10:10	2	-	5	20	4	85	346
South Wall	10:20	3	-	5	20	4	48	192
West Wall	10:25	4	-	5	20	4	16	64
Bottom	10:30	5	-	5	20	4	26	104

SPILL PERIMETER	OVM RESULTS	SPILL PROFILE																																										
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th><th>FIELD HEADSPACE PID (ppm)</th></tr> </thead> <tbody> <tr><td>North</td><td>34.7</td></tr> <tr><td>East</td><td>44.8</td></tr> <tr><td>South</td><td>5.8</td></tr> <tr><td>West</td><td>5.2</td></tr> <tr><td>Bottom</td><td>4.8</td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th><th>ANALYSIS</th><th>TIME</th></tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	North	34.7	East	44.8	South	5.8	West	5.2	Bottom	4.8	LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME																									
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TRAVEL NOTES: _____	CALLED OUT: _____	ONSITE: _____
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Client: Conoco Phillips	 envirotech <small>(505) 632-0613 (800) 362-1879 6798 U.S. Hwy 64, Farmington, NM 87401</small>	Project No: 96052-2143 COC No: 13660
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FIELD REPORT: SPILL CLOSURE VERIFICATION

LOCATION: NAME: Lindeth B WELL #: #78 QUAD/UNIT: L SEC: 6 TWP: 24N RNG: 2W PM: N.M. CNTY: RA ST: N.M. QTR/FOOTAGE: 2030 FSL: 143 FWH: CONTRACTOR: MMT	PAGE NO: 2 OF 2 DATE STARTED: 3-28-12 DATE FINISHED: 3-28-12 ENVIRONMENTAL SPECIALIST: K. Peine
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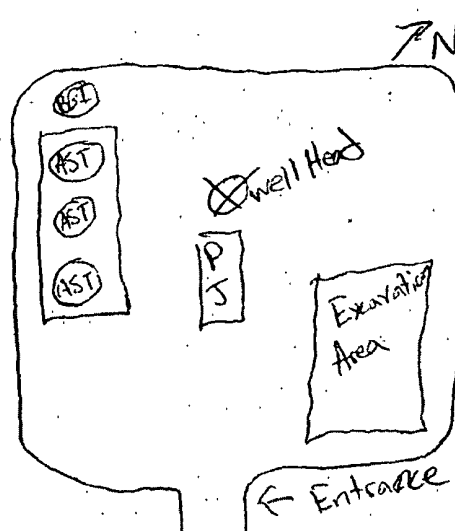
EXCAVATION APPROX: 34 FT. X 55 FT. X 6 FT. DEEP CUBIC YARDAGE: DISPOSAL FACILITY: Envirotech Land Farm #2 REMEDIATION METHOD: Removal LAND USE: Grassland LEASE: SF-078907 LAND OWNER: Fedesa CAUSE OF RELEASE: Above Surface Storage Tank MATERIAL RELEASED: Hydrocarbon	
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SPILL LOCATED APPROXIMATELY: 76 FT. 135° FROM well Head DEPTH TO GROUNDWATER: 50-100 NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: 225 NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM	
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SOIL AND EXCAVATION DESCRIPTION: - Email Ashley with all Field readings. Call her before leaving location.

➤ TPH and OVM Sampling 2nd Time around after spill Excavation was added

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
Standard	9:45	510	-	-	-	-	201	201
South wall	11:05	6	-	5	20	4	34	136
East wall	11:30	7	-	5	20	4	55	220
North wall	12:00	8	-	5	20	4	27	108

SPILL PERIMETER	OVM RESULTS	SP LL PROFILE																			
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TRAVEL NOTES:	CALLED OUT:	ONSITE:
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-2143
Sample No.:	1	Date Reported:	5/3/2012
Sample ID:	North Wall	Date Sampled:	3/28/2012
Sample Matrix:	Soil	Date Analyzed:	3/28/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	788	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: **Lindrith B #78**

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



Analyst

Kory Peine
Printed



Review

Toni McKnight, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 2
Sample ID: East Wall
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2143
Date Reported: 5/3/2012
Date Sampled: 3/28/2012
Date Analyzed: 3/28/2012
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	340	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: **Lindrith B #78**

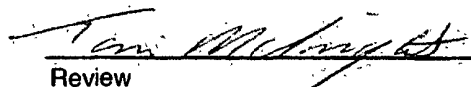
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Kory Peine

Printed



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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-2143
Sample No.:	3	Date Reported:	5/3/2012
Sample ID:	South Wall	Date Sampled:	3/28/2012
Sample Matrix:	Soil	Date Analyzed:	3/28/2012
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	192	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: **Lindrith B #78**


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



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Kory Peine

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-2143
Sample No.:	4	Date Reported:	5/3/2012
Sample ID:	West Wall	Date Sampled:	3/28/2012
Sample Matrix:	Soil	Date Analyzed:	3/28/2012
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	64	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: **Lindrith B #78**

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

Analyst

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-2143
Sample No.:	5	Date Reported:	5/3/2012
Sample ID:	Bottom	Date Sampled:	3/28/2012
Sample Matrix:	Soil	Date Analyzed:	3/28/2012
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	104	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: **Lindrith B #78**

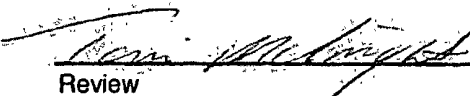
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Kory Peine

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Toni McKnight, EIT

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: ConocoPhillips
Sample No.: 6
Sample ID: South Wall
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2143
Date Reported: 5/3/2012
Date Sampled: 3/28/2012
Date Analyzed: 3/28/2012
Analysis Needed: TPH-418.1

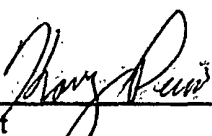
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	136	5.0

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: **Lindrith B #78**

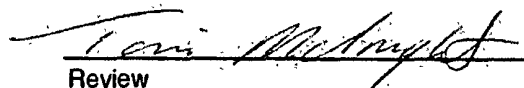
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Kory Peine

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Toni McKnight, EIT

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 7
Sample ID: East Wall
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2143
Date Reported: 5/3/2012
Date Sampled: 3/28/2012
Date Analyzed: 3/28/2012
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	220	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: **Lindrith B #78**

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

Analyst

Kory Peine
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Review

Toni McKnight, EIT
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 8
Sample ID: North Wall
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2143
Date Reported: 5/3/2012
Date Sampled: 3/28/2012
Date Analyzed: 3/28/2012
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	108	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: **Lindrith B #78**

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

Analyst

Kory Peine
Printed

Review

Toni McKnight, EIT
Printed

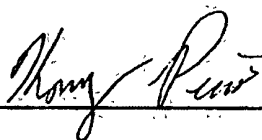


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 28-Mar-12

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	201
	200	
	500	
	1000	

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

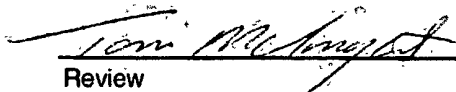


Analyst

Date 5/3/2012

Kory Peine

Print Name



Review

Date 5/3/2012

Toni McKnight, EIT

Print Name



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-2143
Sample ID:	North Wall	Date Reported:	03-29-12
Laboratory Number:	61546	Date Sampled:	03-28-12
Chain of Custody No:	13660	Date Received:	03-28-12
Sample Matrix:	Soil	Date Extracted:	03-28-12
Preservative:	Cool	Date Analyzed:	03-29-12
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)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **Confirmation Sampling Lindrith B #78**


Analyst


Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-2143
Sample ID:	South Wall	Date Reported:	03-29-12
Laboratory Number:	61547	Date Sampled:	03-28-12
Chain of Custody No:	13660	Date Received:	03-28-12
Sample Matrix:	Soil	Date Extracted:	03-28-12
Preservative:	Cool	Date Analyzed:	03-29-12
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)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **Confirmation Sampling Lindrith B #78**

Analyst

Review



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

Client:	ConocoPhillips	Project #:	96052-2143
Sample ID:	East Wall	Date Reported:	03-29-12
Laboratory Number:	61548	Date Sampled:	03-28-12
Chain of Custody No:	13660	Date Received:	03-28-12
Sample Matrix:	Soil	Date Extracted:	03-28-12
Preservative:	Cool	Date Analyzed:	03-29-12
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)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **Confirmation Sampling Lindrith B #78**

Analyst

Review



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

Client:	ConocoPhillips	Project #:	96052-2143
Sample ID:	Bottom	Date Reported:	03-29-12
Laboratory Number:	61549	Date Sampled:	03-28-12
Chain of Custody No:	13660	Date Received:	03-28-12
Sample Matrix:	Soil	Date Extracted:	03-28-12
Preservative:	Cool	Date Analyzed:	03-29-12
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)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **Confirmation Sampling Lindrith B #78**

Analyst

Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0329TCAL QA/QC	Date Reported:	03-29-12
Laboratory Number:	61536	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-29-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	03-29-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	03-29-12	9.9960E+02	1.0000E+03	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	

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	292	117%	75 - 125%
Diesel Range C10 - C28	ND	250	287	115%	75 - 125%

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 61536-61539 and 61545-61549

Analyst

Review

CHAIN OF CUSTODY RECORD

13660

Client: Conoco Phillips			Project Name / Location: Confirmation Sampling Lindrith B#78			ANALYSIS / PARAMETERS															
Email results to: Kory Peine			Sampler Name: Kory Peine			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact		
Client Phone No.:			Client No.: 96052-2143																		
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					HgCl ₂	HCl	Cool														
North wall	3-28-12	12:00	61546	1 4oz Jar				X	X	X										X	X
South wall	3-28-12	11:05	61547	1 4oz Jar				X	X	X											
East wall	3-28-12	11:30	61548	1 4oz Jar				X	X	X											
Bottom	3-28-12	10:30	61549	1 4oz Jar				X	X	X											
Relinquished by: (Signature) <i>Kory Peine</i>				Date	Time	Received by: (Signature) <i>Guana Hammer</i>				Date	Time										
Relinquished by: (Signature)				3-28-12	14:50	Received by: (Signature)				3-28-12	2:50										
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																					
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. Rush Please!!!																					



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