

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

#### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	<b>Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company</b>	Contact	<b>Kelsi Gurvitz</b>
Address	<b>3401 E. 30<sup>th</sup> St., Farmington, NM 87402</b>	Telephone No.	<b>505-599-3403</b>
Facility Name	<b>Mark Maddox #1</b>	Facility Type	<b>Gas Well</b> <b>API # 300-45-11447</b>
Surface Owner	<b>Private</b>	Mineral Owner	<b>Private</b> Lease No.

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>H</b>	<b>15</b>	<b>T32N</b>	<b>R11W</b>	<b>1650'</b>	<b>North</b>	<b>990'</b>	<b>East</b>	<b>San Juan</b>

Latitude 36.9879° N Longitude 107.97061° W

#### NATURE OF RELEASE

Type of Release – <b>Condensate</b>	Volume of Release – <b>15 BBL</b>	Volume Recovered – <b>0 BBL</b>
Source of Release: <b>Production Tank Leak</b>	Date and Hour of Occurrence <b>unknown</b>	Date and Hour of Discovery <b>2/24/10</b>
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.* <b>On February 24, 2010, it was discovered that there was a leak in the bottom of the production tank due to corrosion. Upon discovery, the well was shut in. No product was recovered.</b>		
Describe Area Affected and Cleanup Action Taken.* <b>All product remained within the bermed area. Excavation was completed and confirmation sampling returned results below the standards set forth in the NMCOD Guidelines for Leaks, Spills and Releases; therefore no further action is required.</b>		
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 Gurvitz</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Kelsi Gurvitz</b>	Approved by District Supervisor: <i>Brandon Roll</i> For: <b>CP</b>	
Title: <b>Environmental Consultant</b>	Approval Date: <b>9/22/10</b>	Expiration Date:
E-mail Address: <b>kelsi.m.gurvitz@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>6/14/10</b> Phone: <b>505-599-3403</b>		

\* Attach Additional Sheets If Necessary

uBP1026538151



17



June 10, 2010

Project No. 92115-1240

Ms. Kelsi Gurvitz  
ConocoPhillips  
3401 East 30<sup>th</sup> Street  
Farmington, New Mexico 87401

Phone (505) 599-3403

**RE: CONFIRMATION SAMPLING DOCUMENTATION AT THE MARK MADDOX #1 WELL SITE,  
SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Gurvitz,

Enclosed please find the field notes and analytical results for the confirmation sampling activities performed at the Mark Maddox #1 well site located in Section 15, Township 32N, Range 11W, San Juan County, New Mexico. On March 26, 2010, Envirotech, Inc. arrived on-site to perform confirmation sampling activities. Upon arrival, a brief site assessment was conducted. The closure standard for this site was determined to be 100 ppm total petroleum hydrocarbons (TPH) and 100 ppm organic vapors (OV) due to a wash being within 200 feet of the site, pursuant to the New Mexico Oil Conservation Division (NMOCD) Guidelines for the Remediation of Leaks, Spills, and Releases.

Prior to Envirotech's arrival, Kelly Oilfield Services excavated the contaminated area to extents of approximately 20' x 26' x 17' deep. Five (5) composite samples were collected from the excavation. One (1) composite sample was collected from each of the four (4) walls and one (1) composite sample was collected from the bottom of the excavation. The samples collected from the north wall, south wall, and west wall were analyzed in the field for TPH via USEPA Method 418.1 and for OV using a Photo-Ionization Detector (PID). The samples collected from the north wall and south wall returned results below the 100 ppm TPH standard and 100 ppm OV standard; see attached *Analytical Results*. The sample collected from the west wall returned results below the 100 ppm OV standard but above the 100 ppm TPH standard. The sample from the west wall was then collected into a four (4)-ounce glass jar, capped headspace free, and transported on ice under chain of custody to Envirotech's laboratory for analysis for TPH using USEPA Method 8015. The sample returned results below the 100 ppm TPH standard; see attached *Analytical Results*. The samples collected from the bottom at 17' below ground surface (BGS) and the east wall were screened for OV using a PID. Both samples returned results above the 100 ppm OV standard; therefore excavation would continue on the east wall and the bottom.

The east wall was excavated an additional two (2) feet and the bottom was excavated an additional one (1) foot where a one (1) composite sample was collected from the east wall and one (1) composite sample was collected from the bottom at approximately 18' BGS. The samples were analyzed in the field for TPH via USEPA Method 418.1 and for OV using a PID. Both samples returned results above the 100 ppm TPH standard and 100 ppm OV standard.

ConocoPhillips  
Mark Maddox #1  
Confirmation Sampling  
Project No. 92115-1240

The east wall was then excavated an additional three (3) feet and the bottom excavated an additional one (1) foot where composite samples were collected. One (1) composite sample was collected from the east wall and one (1) composite sample was collected from the bottom at 19' BGS. The sample from the east wall was analyzed for TPH via USEPA Method 418.1 and OV using a PID. The sample returned results above the 100 ppm TPH standard but below the 100 ppm OV standard. The sample from the east wall was then collected into a four (4)-ounce glass jar, capped headspace free, and transported on ice under chain of custody to Envirotech's laboratory for analysis for TPH using USEPA Method 8015. The sample from the bottom returned results below the 100 ppm TPH standard; see attached *Analytical Results*. The sample from the bottom was screened for OV using a PID. The sample returned results above the 100 ppm OV standard; therefore excavation would continue on the bottom.

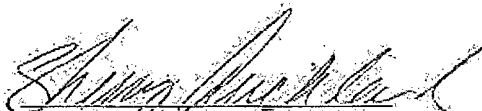
The bottom was then excavated an additional one (1) foot where one (1) composite sample was collected at approximately 20' BGS. The sample was analyzed in the field for TPH via USEPA Method 418.1 and for OV using a PID. The sample returned results below the 100 ppm TPH standard and 100 ppm OV standard; see attached *Analytical Results*.

The final samples collected from each of the four (4) walls and the bottom at 20' BGS returned results below the 100 ppm TPH standard and the 100 ppm OV standard; therefore no further excavation was required. The final extents of the excavation were approximately 20' x 35' x 20' deep. Envirotech, Inc. recommends that no further action is required in regards to this incident.

Approximately 520 cubic yards of contaminated soil was transported to IEI's NMOCD permitted soil remediation facility.

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.**



Sherry Auckland  
Environmental Scientist  
[sauckland@envirotech-inc.com](mailto:sauckland@envirotech-inc.com)

Enclosures: Field Notes  
Laboratory Analysis

Cc: Client File 92115

Client: Burlington

**envirotech**(505) 632-0815 (800) 362-1879  
5786 U.S. Hwy 64, Farmington, NM 87401

Location No:

C.O.C. No:

Cured

9:20a

## FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 2

DATE STARTED: 3/26/10

DATE FINISHED: 3/26/10

ENVIRONMENTAL

SPECIALIST: Jla

LOCATION: NAME: Mark Maddox WELL #: 1  
QUAD/UNIT: SEC: 15 TWP: 32N RNG: 11W PM: CNTY: 55 ST: NM  
QTR/FOOTAGE: CONTRACTOR: Kelley Oil FieldEXCAVATION APPROX: 20 FT. X 30' FT. X 18 FT. DEEP CUBIC YARDAGE:  
DISPOSAL FACILITY: IET REMEDIATION METHOD: Land Farm

LAND USE: Grazing LEASE: LAND OWNER: Private

CAUSE OF RELEASE: Leaking Out MATERIAL RELEASED: Production Fluid

SPILL LOCATED APPROXIMATELY: 10 FT. 90° FROM Wellhead

DEPTH TO GROUNDWATER: 700 NEAREST WATER SOURCE: 7000 NEAREST SURFACE WATER: &lt;200

NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

## SOIL AND EXCAVATION DESCRIPTION:

Windy + Snowing  
Clear + Approx 32°Confirmation Sampling on Bottom + walls  
Arrived. Walls were approx 20' x 26' for 1st sample  
Bottom was 17' approx  
Excavated bottom to 18'  
Exc. E. Wall 45' Bottom 1'

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
20' SH.							213	213
9:55 Bottom			Not Sampled for TPH					
10:00 N. Wall			20 5	20	4	14	56	
S. Wall			5	20	4	9	36	
E. Wall			Not Sampled for TPH					
W. Wall			5	20	4	35	140	
Bottom 2			5	20	4	290	1160	
E. Wall 2			5	20	4	1355	5420	
E. Wall 3			5	20	4			

SPILL PERIMETER

OVM  
RESULTS

SPILL PROFILE

2W07

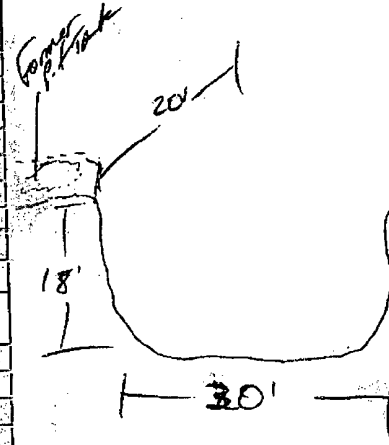
2W08

20' x 26'

Exc

Land Farm

SAMPLE ID	FIELD HEADSPACE PID (ppm)	
10' SH.	213	
Bottom	496	
N. Wall	58.6	
S. Wall	20.5	
E. Wall	1238.0	
W. Wall	21.8	
Bottom 2	1999	
E. Wall 2	1741	
LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
Bottom 3		



TRAVEL NOTES:

CALLED OUT:

ONSITE:

Client:



**envirotech**  
(505) 632-0615 (800) 362-1879  
5796 U.S. Hwy 64, Farmington, NM 87401

Location No:

C.O.C. No:

*Left e*  
*13100*

PAGE NO:

2 OF 2

## FIELD REPORT: SPILL CLOSURE VERIFICATION

DATE STARTED: *3/26/10*DATE FINISHED: *3/26/10*LOCATION: NAME: *Mike Haddon* WELL #: *1*QUAD/UNIT: SEC: *15* TWP: *32N* RNG: *11W* PM: CNTY: ST:QTR/FOOTAGE: CONTRACTOR: *Kelly, R. Hord*

ENVIRONMENTAL

SPECIALIST: *SR*EXCAVATION APPROX: *20* FT. X *35* FT. X *20* FT. DEEP CUBIC YARDAGE:DISPOSAL FACILITY: *LEF* REMEDIATION METHOD: *Landfill*LAND USE: *Grass* LEASE: LAND OWNER: *Private*CAUSE OF RELEASE: *Leak BCT* MATERIAL RELEASED: *Production fluid*SPILL LOCATED APPROXIMATELY: *10* FT. *900* FROM *Wellhead*DEPTH TO GROUNDWATER: *7100* NEAREST WATER SOURCE: *71000* NEAREST SURFACE WATER: *<200*NMOCD RANKING SCORE: *20* NMOCD TPH CLOSURE STD: *100* PPM

## SOIL AND EXCAVATION DESCRIPTION:

*Excavated bottom to ~20'*

SAMPLE DESCRIPTION	TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
<i>E. Well 3</i>				<i>5</i>	<i>20</i>	<i>4</i>	<i>75</i>	<i>3000</i>
<i>Bottom 3</i>				<i>5</i>	<i>20</i>	<i>4</i>	<i>110</i>	<i>Not Sampled</i>
<i>Bottom 4</i>				<i>5</i>	<i>20</i>	<i>4</i>	<i>4</i>	<i>36</i>

## SPILL PERIMETER

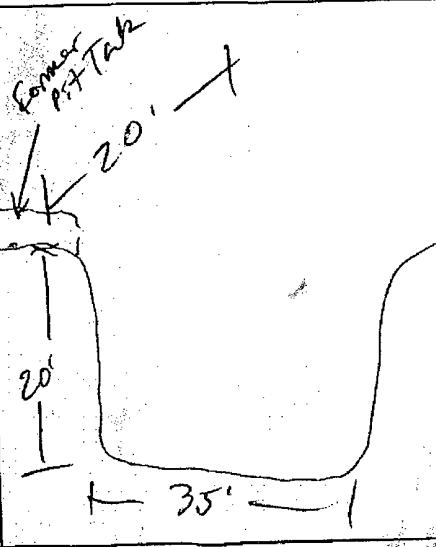
## OVM RESULTS

## SPILL PROFILE

SAMPLE ID	FIELD HEADSPACE PID (ppm)
<i>E. Well 3</i>	<i>13.3</i>
<i>Bottom 3</i>	<i>64.3</i>
<i>Bottom 4</i>	<i>32.8</i>

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME



*See page 2*

TRAVEL NOTES:

CALLED OUT:

ONSITE:

**Table 1, Analytical Results**

ConocoPhillips

Mark Maddox #1 (hBr)

Project No. 92115-1240

March 2010

Sample Number	Sample Description	Date	TPH (ppm) EPA Method 418.1	Organic Vapors (ppm)	DRO/GRO (ppm) EPA Method 8015
1	NMOCD Standards	NA	100	100	100
2	Bottom 1 (17' BGS)	3/26/2010	NS	<b>496</b>	NS
3	North Wall	3/26/2010	56	58.6	NS
4	South Wall	3/26/2010	36	20.5	NS
5	East Wall 1	3/26/2010	NS	<b>1238.0</b>	NS
6	West Wall	3/26/2010	<b>140</b>	21.8	< 0.0002
7	Bottom 2 (18' BGS)	3/26/2010	<b>1,160</b>	<b>1797.0</b>	NS
8	East Wall 2	3/26/2010	<b>5,420</b>	<b>1741.0</b>	NS
9	East Wall 3	3/26/2010	<b>300</b>	13.3	< 0.0002
10	Bottom 3 (19' BGS)	3/26/2010	NS	<b>643.0</b>	NS
	Bottom 4 (20' BGS)	3/26/2010	36	32.8	NS

NS = Not Sampled

ND = Non detect

Bold = Above Regulatory Limits



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client: Burlington  
Sample No.: 2  
Sample ID: North Wall  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-1240  
Date Reported: 5/5/2010  
Date Sampled: 3/26/2010  
Date Analyzed: 3/26/2010  
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	56	5.0

ND = Parameter not detected at the stated detection limit.

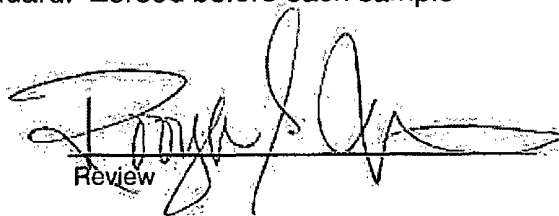
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Mark Maddox 1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sherry Auckland  
Printed

  
Review

Robyn Jones  
Printed



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client: Burlington  
Sample No.: 3  
Sample ID: South Wall  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-1240  
Date Reported: 5/5/2010  
Date Sampled: 3/26/2010  
Date Analyzed: 3/26/2010  
Analysis Needed: TPH-418.1

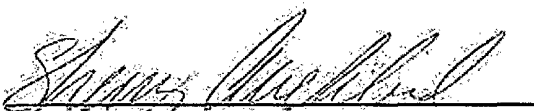
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	36	5.0

ND = Parameter not detected at the stated detection limit.

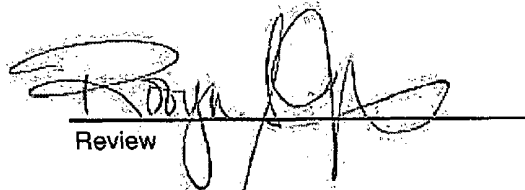
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Mark Maddox 1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sherry Auckland  
Printed

  
Review  
Robyn Jones  
Printed





**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client: Burlington  
Sample No.: 5  
Sample ID: West Wall  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-1240  
Date Reported: 5/5/2010  
Date Sampled: 3/26/2010  
Date Analyzed: 3/26/2010  
Analysis Needed: TPH-418.1

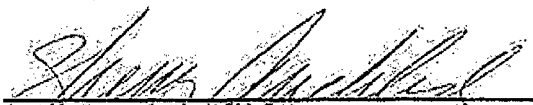
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	140	5.0

ND = Parameter not detected at the stated detection limit.

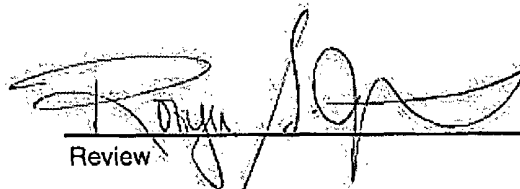
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Mark Maddox 1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sherry Auckland  
Printed

  
Review

Robyn Jones  
Printed



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client: Burlington  
Sample No.: 6  
Sample ID: Bottom 2  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-1240  
Date Reported: 5/5/2010  
Date Sampled: 3/26/2010  
Date Analyzed: 3/26/2010  
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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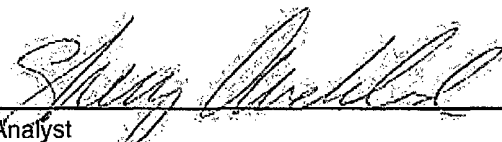
Total Petroleum Hydrocarbons	1,160	5.0
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ND = Parameter not detected at the stated detection limit.

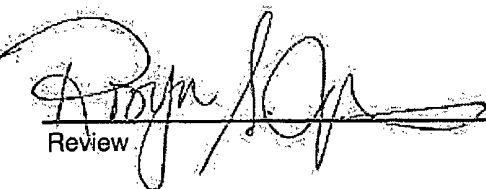
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Mark Maddox 1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sherry Auckland  
Printed

  
Review

Robyn Jones  
Printed



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client: Burlington  
Sample No.: 7  
Sample ID: East Wall 2  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-1240  
Date Reported: 5/5/2010  
Date Sampled: 3/26/2010  
Date Analyzed: 3/26/2010  
Analysis Needed: TPH-418.1

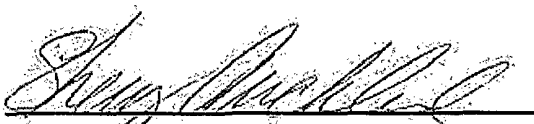
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	5,420	5.0

ND = Parameter not detected at the stated detection limit.

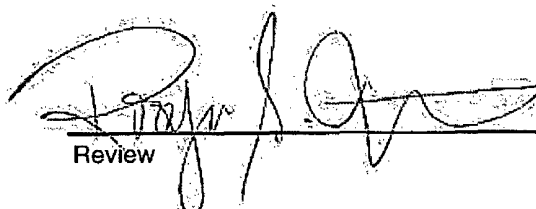
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Mark Maddox 1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sherry Auckland  
Printed

  
Review  
Robyn Jones  
Printed



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client: Burlington  
Sample No.: 8  
Sample ID: East Wall 3  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-1240  
Date Reported: 5/5/2010  
Date Sampled: 3/26/2010  
Date Analyzed: 3/26/2010  
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	300	5.0

ND = Parameter not detected at the stated detection limit.

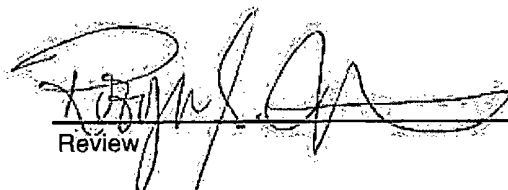
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Mark Maddox 1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sherry Auckland  
Printed

  
Review  
Robyn Jones  
Printed



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington	Project #:	92115-1240
Sample No.:	10	Date Reported:	5/5/2010
Sample ID:	Bottom 4	Date Sampled:	3/26/2010
Sample Matrix:	Soil	Date Analyzed:	3/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

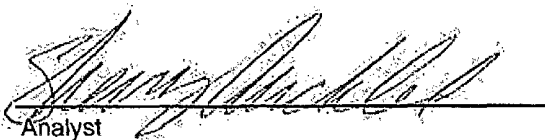
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	36	5.0

ND = Parameter not detected at the stated detection limit.

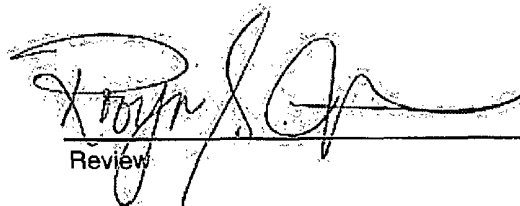
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Mark Maddox 1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sherry Auckland  
Printed

  
Review

Robyn Jones  
Printed



**envirotech**  
Analytical Laboratory

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

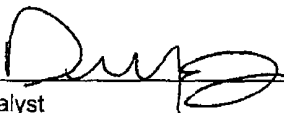
Client:	Burlington	Project #:	92115-1240
Sample ID:	West Wall	Date Reported:	03-29-10
Laboratory Number:	53475	Date Sampled:	03-26-10
Chain of Custody No:	8920	Date Received:	03-26-10
Sample Matrix:	Soil	Date Extracted:	03-26-10
Preservative:	Cool	Date Analyzed:	03-29-10
Condition:	Intact	Analysis Requested:	8015 TPH

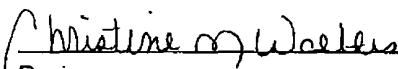
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Mark Maddox #1**

  
Analyst

  
Review



**envirotech**  
Analytical Laboratory

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

Client:	Burlington	Project #:	92115-1240
Sample ID:	East Wall 3	Date Reported:	03-29-10
Laboratory Number:	53476	Date Sampled:	03-26-10
Chain of Custody No:	8920	Date Received:	03-26-10
Sample Matrix:	Soil	Date Extracted:	03-26-10
Preservative:	Cool	Date Analyzed:	03-29-10
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	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: **Mark Maddox #1**

Analyst

Review



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## EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

### Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-29-10 QA/QC	Date Reported:	03-29-10
Laboratory Number:	53396	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-29-10
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	9.0637E+002	9.0674E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.0081E+002	9.0117E+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%

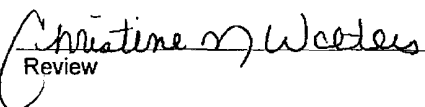
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	237	94.8%	75 - 125%
Diesel Range C10 - C28	ND	250	235	94.0%	75 - 125%

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 53396 - 53401 and 53473 - 53476

  
Analyst

  
Review



