

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 Burlington Resources Oil & Gas Company	Contact Crystal Tafoya	
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9837	
Facility Name: Mark Maddox 1A	Facility Type: Gas Well	
Surface Owner Fee	Mineral Owner Fee	API No. 30-045-23068

LOCATION OF RELEASE

Unit Letter J	Section 15	Township 32N	Range 11W	Feet from the 1610	North/South Line South	Feet from the 1760	East/West Line East	County San Juan
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Latitude **36.98208** Longitude **107.97314**

NATURE OF RELEASE

Type of Release Produced Fluids	Volume of Release Unknown	Volume Recovered 247 yds
Source of Release Below Grade Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery February 20, 2013
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

**RCVD APR 26 '13
OIL CONS. DIV.**

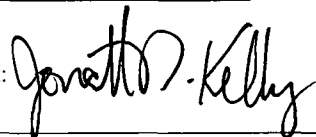
Describe Cause of Problem and Remedial Action Taken.*
Below Grade Tank Activities

DIST. 3

Describe Area Affected and Cleanup Action Taken.*

Historical hydrocarbon impacted soil was found during the BGT re-set for the subject well. The excavation was 14'x 26' x 8' and 247 yds of soil was transported to IEI landfarm and 420 yds of clean soil was transported from IEI 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: 11/8/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com		Conditions of Approval: BGT Closure Permit required for tank closure	Attached ☐
Date: 4/24/2013 Phone: (505) 326-9837			

* Attach Additional Sheets If Necessary

nJK1331253492



April 18, 2013

Project Number 92115-2395

Ms. Crystal Tafoya
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87402

Phone: (505) 326-9837

**RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE MARK MADDOX #1A (hBr),
SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Tafoya:

Enclosed please find the field notes and analytical results for confirmation sampling activities performed at the Mark Maddox #1A (hBr) well site located in Section 15, Township 32 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on February 20, 2013, 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 a horizontal distance to surface water less than 200 feet from the location, a depth to groundwater greater than 100 feet, and the well site being located within a well head protection area, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

In November 2012, Envirotech personnel performed spill assessment and delineation activities in regards to this incident. During the initial assessment, excavations were performed to determine the extents of the impacted area. Due to drill rig activities scheduled at the location, ConocoPhillips decided that, upon determining the extent of the impacted area, the excavations would be back-filled and GPS coordinates would be logged in the center of the impacted area. This would allow for the scheduled drilling activities to take place and additional time for preparation of a remediation plan.

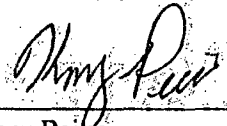
Upon completion of the drilling activities, Envirotech was contacted by ConocoPhillips to perform confirmation sampling activities. Envirotech personnel arrived to the location on February 20, 2013. After locating the center of the release, the area was excavated to extents of approximately 14 feet by 26 feet by eight (8) feet deep; see enclosed *Field Notes*. 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 eight (8) 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 composite sample from the bottom of the excavation returned results above the regulatory standards for TPH and for organic vapors. The composite samples from all four (4) walls, with the exception of the north wall, returned results below the regulatory standards for TPH and organic vapors. The

sample collected from the north wall returned results above the regulatory standards for TPH, but below the regulatory standards for organic vapors; see enclosed *Field Notes*. All five (5) samples were then collected into 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 8015, and for benzene and total BTEX using USEPA Method 8021. All five (5) samples returned results below regulatory standards for TPH, benzene and total BTEX; see enclosed *Analytical Results*. Envirotech, Inc. recommended no further action regarding this incident.

Per request of Brandon Powell with the NMOCD, Envirotech personnel returned to the site on February 25, 2013, to field test the bottom of the excavation for organic vapors. One (1) composite sample was collected from the bottom of the excavation at eight (8) feet BGS and analyzed in the field for organic vapors using a PID. The sample returned results below regulatory standards for organic vapors; see enclosed *Field Notes*. Envirotech recommends no further action regarding 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
Senior Environmental Field Technician
kpeine@envirotech-inc.com

Enclosure(s): Field Notes
Analytical Results

Cc: Client File Number 92115

Client: **Conoco Phillips**

envirotech
(903) 632-0815 (900) 382-1879
5798 U.S. Hwy 60, Farmington, NJ 07401

Project No: **92115-2395**
COC No: **15224**

FIELD REPORT: SPILL CLOSURE VERIFICATION

LOCATION: NAME: **Mark Maddox A WELL # 1**

QUAD/UNIT: **5** SEC: **15** TWP: **32N** RNG: **11W PM** CNTY: **SS** ST: **NM**

QTR/FOOTAGE: _____ CONTRACTOR: **CF and M**

PAGE NO: _____ OF _____

DATE STARTED: **2-20-13**

DATE FINISHED: _____

ENVIRONMENTAL SPECIALIST: **R. Peine**

EXCAVATION APPROX: **14** FT. X **26** FT. X **16"** → **8'** FT. DEEP CUBIC YARDAGE: _____

DISPOSAL FACILITY: **Envirotech** REMEDIATION METHOD: **Landfarm**

LAND USE: **Private** LEASE: **Grazing** LAND OWNER: _____

CAUSE OF RELEASE: **Failed BGT** MATERIAL RELEASED: **Hydrocarbon influence**

SPILL LOCATED APPROXIMATELY: **54** FT. **970** FROM well head

DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **<100'** NEAREST SURFACE WATER: **<100'**

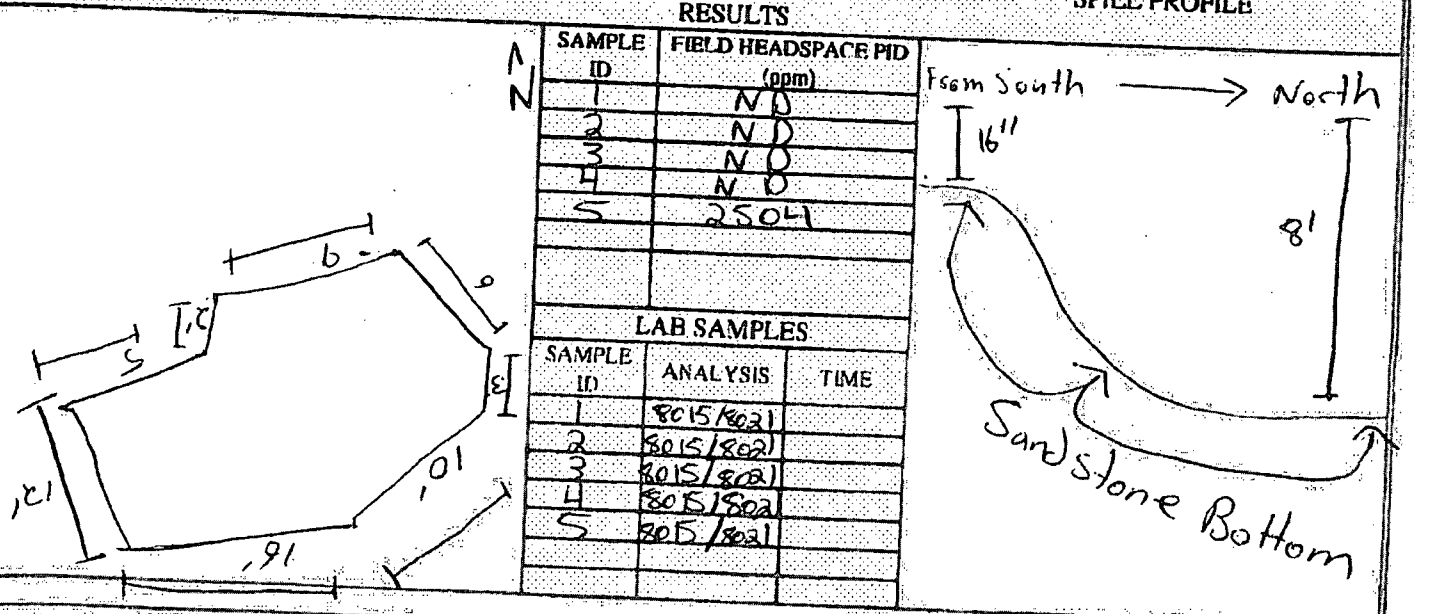
NMOC D RANKING SCORE: **20** NMOC D TPH CLOSURE STD: **100** PPM **100** OV

SOIL AND EXCAVATION DESCRIPTION: **Bruce Ashcroft was on-site with me. After exposing the Sandstone bottom and testing above regulatory limits, made recommendation to spray potassium permanganate. Called Crystal To Faya for approval. using the OVM, we pot-holed several areas around the center of the excavation, then using a backhoe, exposed outer extents to where there was no visible contamination in the soil. After that, all of the wall extents were sampled and screened in the field for TPH.**

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
Standard	13:00	STD	-	-	-	-	-	-
North wall Comp	13:15	1	-	S	20	4	204	112
South wall Comp	13:20	2	-	S	20	4	23	92
East wall Comp	13:26	3	-	S	20	4	9	36
West wall Comp	13:32	4	-	S	20	4	12	48
Sandstone Bottom Comp	13:37	5	-	S	20	4	1352	5408

Using GPS I set waypoint, located where the area of release was due to the fact that it had been backfilled for site restructuring.

SPILL PERIMETER OVM



TRAVEL NOTES: _____ CA. ED OUT: _____

ONSITE **10:00** → Depart **14:15**

Client: Conoco Phillips	(505) 832-0318 (800) 382-1078 5786 U.S. Hwy 64, Farmington, NE 67401	Project No: <u>72115-2395</u> CDC No: _____
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FIELD REPORT: SPILL CLOSURE VERIFICATION		PAGE NO: _____ OF _____
LOCATION: NAME: <u>Mark Maddox</u> WELL #: <u>1/A</u>		DATE STARTED: <u>3-25-13</u>
QUAD/UNIT: <u>5</u> SEC: <u>15</u> TWP: <u>32N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>		DATE FINISHED: _____
QTR/FOOTAGE: _____ CONTRACTOR: <u>CF 3 M</u>		ENVIRONMENTAL SPECIALIST: <u>K. Peine</u>

EXCAVATION APPROX: <u>14</u> FT. X <u>26</u> FT. X <u>16"-8"</u> FT. DEEP CUBIC YARDAGE: _____	REMEDIALTION METHOD: <u>Landfarm</u>
DISPOSAL FACILITY: <u>Envirotech</u>	LAND OWNER: _____
LAND USE: <u>Private</u>	LEASE: <u>Grazing</u>
CAUSE OF RELEASE: <u>Failed BGT</u>	MATERIAL RELEASED: <u>Hydrocarbon Influence</u>
SPILL LOCATED APPROXIMATELY: <u>54</u> FT. <u>920</u> FROM wellhead.	
DEPTH TO GROUNDWATER: <u>> 100'</u> NEAREST WATER SOURCE: <u>< 100'</u> NEAREST SURFACE WATER: <u>< 100'</u>	
NMOCD RANKING SCORE: <u>20</u> NMOCD TPH CLOSURE STD: <u>1007</u> PPM <u>100</u> OV	

SOIL AND EXCAVATION DESCRIPTION: Brandon Powell requested that Crystal Taffan and I return again to the site and verify Organic vapors. OF the Sandstone bottom, found that it was below regulatory standards in the Field. Crystal told us not to worry about running it in the lab

SAMPLE DESCRIPTION	TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
<u>Sandstone Comp</u>	<u>9:54</u>	<u>1</u>						

SPILL PERIMETER 	OVM RESULTS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">SAMPLE ID</th> <th style="width:85%;">FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>40.6</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: left;">LAB SAMPLES</th> </tr> <tr> <th style="width:15%;">SAMPLE ID</th> <th style="width:45%;">ANALYSIS</th> <th style="width:40%;">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)	1	40.6																			LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME																									SPILL PROFILE
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TRAVEL NOTES: _____ CALLED OU _____	9	5
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2395
Sample No.:	1	Date Reported:	4/2/2013
Sample ID:	North Wall Comp	Date Sampled:	2/20/2013
Sample Matrix:	Soil	Date Analyzed:	2/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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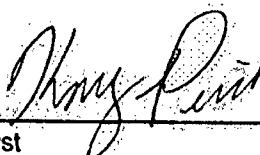
Total Petroleum Hydrocarbons	112	5.0
------------------------------	-----	-----

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 #1A (hBr)**

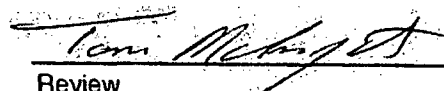
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Kory Peine

Printed



Review

Toni McKnight, EIT

Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2395
Sample No.:	2	Date Reported:	4/2/2013
Sample ID:	South Wall Comp	Date Sampled:	2/20/2013
Sample Matrix:	Soil	Date Analyzed:	2/20/2013
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	92	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 #1A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Kory Peine

Printed

Review

Toni McKnight, EIT

Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2395
Sample No.:	3	Date Reported:	4/2/2013
Sample ID:	East Wall Comp	Date Sampled:	2/20/2013
Sample Matrix:	Soil	Date Analyzed:	2/20/2013
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
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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 #1A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Kory Peine

Printed



Review

Toni McKnight, EIT

Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2395
Sample No.:	4	Date Reported:	4/2/2013
Sample ID:	West Wall Comp	Date Sampled:	2/20/2013
Sample Matrix:	Soil	Date Analyzed:	2/20/2013
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	48	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 #1A (hBr)**

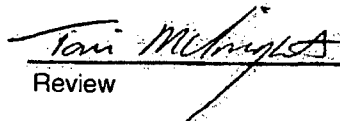
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Kory Peine

Printed



Review

Toni McKnight, EIT

Printed



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2395
Sample No.:	5	Date Reported:	4/2/2013
Sample ID:	Sandstone Bottom Comp	Date Sampled:	2/20/2013
Sample Matrix:	Soil	Date Analyzed:	2/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

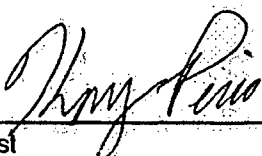
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	5,410	5.0

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 #1A (hBr)**

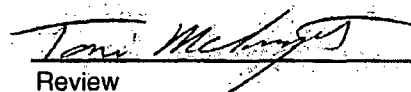
Instrument calibrated to 200 ppm standard, Zeroed before each sample



Analyst

Kory Peine

Printed



Review

Toni McKnight, EIT

Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 20-Feb-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	204
	500	
	1000	

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



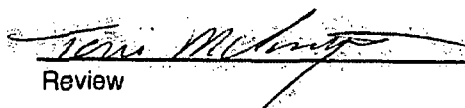
Analyst

4/2/2013

Date

Kory Peine

Print Name



Review

4/2/2013

Date

Toni McKnight, EIT

Print Name



Analytical Report

Report Summary

Client: ConocoPhillips
Chain Of Custody Number: 15224
Samples Received: 2/20/2013 3:20:00PM
Job Number: 92115-2395
Work Order: P302101
Project Name/Location: Confirmation
Sampling/Mark Maddox #1A

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Tim Cain, Laboratory Manager

Date: 2/27/13

Supplement to analytical report generated on: 2/21/13 5:33 pm

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.



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Confirmation Sampling/Mark Maddox #1A
Project Number: 92115-2395
Project Manager: Kory Peine

Reported:
27-Feb-13 08:30

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Wall Comp	P302101-01A	Soil	02/20/13	02/20/13	Glass Jar, 4 oz.
South Wall Comp	P302101-02A	Soil	02/20/13	02/20/13	Glass Jar, 4 oz.
East Wall Comp	P302101-03A	Soil	02/20/13	02/20/13	Glass Jar, 4 oz.
West Wall Comp	P302101-04A	Soil	02/20/13	02/20/13	Glass Jar, 4 oz.
Sandstone Bottom Comp	P302101-05A	Soil	02/20/13	02/20/13	Glass Jar, 4 oz.

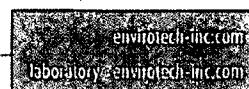
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5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Confirmation Sampling/Mark Maddox #1A
Project Number: 92115-2395
Project Manager: Kory Peine

Reported:
27-Feb-13 08:30

**North Wall Comp
P302101-01 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Toluene	51.7	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Ethylbenzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
o-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Total BTEX	51.7	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Bromochlorobenzene		91.7 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Fluorobenzene		101 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
<u>Nonhalogenated Organics by 8015</u>									
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg	1.000	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.0	mg/kg	1.000	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.0	mg/kg	1.000	1308030	20-Feb-13	21-Feb-13	EPA 8015D	

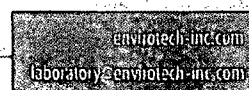
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5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Confirmation Sampling/Mark Maddox #1A
Project Number: 92115-2395
Project Manager: Kory Peine

Reported:
27-Feb-13 08:30

South Wall Comp
P302101-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Toluene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Ethylbenzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
o-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Total BTEX	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Bromochlorobenzene		93.1 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.4 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Fluorobenzene		95.9 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg	0.999	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.0	mg/kg	0.999	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.0	mg/kg	0.999	1308030	20-Feb-13	21-Feb-13	EPA 8015D	

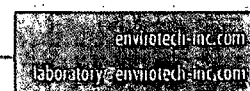
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ConocoPhillips PO Box 2200 Bartlesville OK, 74005	Project Name: Confirmation Sampling/Mark Maddox #1A Project Number: 92115-2395 Project Manager: Kory Peine	Reported: 27-Feb-13 08:30
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**East Wall Comp
P302101-03 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
Toluene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
Ethylbenzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
p,m-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
o-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
Total BTEX	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
Surrogate: Bromochlorobenzene		101 %		80-120	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
Surrogate: 1,4-Difluorobenzene		103 %		80-120	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
Surrogate: Fluorobenzene		102 %		80-120	1308032	21-Feb-13	21-Feb-13	EPA 8021B		
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg	1,000	1308030	20-Feb-13	21-Feb-13	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	5.0	mg/kg	1,000	1308030	20-Feb-13	21-Feb-13	EPA 8015D		
GRO and DRO Combined Fractions	ND	5.0	mg/kg	1,000	1308030	20-Feb-13	21-Feb-13	EPA 8015D		

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Confirmation Sampling/Mark Maddox #1A
Project Number: 92115-2395
Project Manager: Kory Peine

Reported:
27-Feb-13 08:30

**West Wall Comp
P302101-04 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Toluene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Ethylbenzene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
o-Xylene	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Total BTEX	ND	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Bromochlorobenzene		91.2 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.8 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Fluorobenzene		97.2 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg	0.999	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.0	mg/kg	0.999	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.0	mg/kg	0.999	1308030	20-Feb-13	21-Feb-13	EPA 8015D	

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Confirmation Sampling/Mark Maddox #1A
Project Number: 92115-2395
Project Manager: Kory Peine

Reported:
27-Feb-13 08:30

Sandstone Bottom Comp
P302101-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	52.5	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Toluene	1270	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Ethylbenzene	1980	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
p,m-Xylene	27500	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
o-Xylene	5270	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Total BTEX	36100	50.0	ug/kg	50	1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Bromochlorobenzene		110 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.8 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Surrogate: Fluorobenzene		94.8 %	80-120		1308032	21-Feb-13	21-Feb-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	53.9	5.0	mg/kg	0.998	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
Diesel Range Organics (C10-C28)	8.4	5.0	mg/kg	0.998	1308030	20-Feb-13	21-Feb-13	EPA 8015D	
GRO and DRO Combined Fractions	62.3	5.0	mg/kg	0.998	1308030	20-Feb-13	21-Feb-13	EPA 8015D	

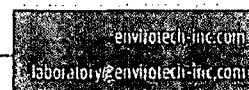
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ConocoPhillips
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Bartlesville OK, 74005

Project Name: Confirmation Sampling/Mark Maddox #1A
Project Number: 92115-2395
Project Manager: Kory Peine

Reported:
27-Feb-13 08:30

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
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Batch 1308032 - Purge and Trap EPA 5030A

Blank (1308032-BLK1)

Prepared & Analyzed: 21-Feb-13

Benzene	ND	50.0	ug/kg							
Toluene	ND	50.0	"							
Ethylbenzene	ND	50.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	50.0	"							
Total BTEX	ND	50.0	"							
Surrogate: Bromochlorobenzene	2350		"	2500		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	2450		"	2500		98.1	80-120			
Surrogate: Fluorobenzene	2480		"	2500		99.0	80-120			

Duplicate (1308032-DUP1)

Source: P302101-01

Prepared & Analyzed: 21-Feb-13

Benzene	ND	50.0	ug/kg		ND				30	
Toluene	51.6	50.0	"		51.7			0.194	30	
Ethylbenzene	ND	50.0	"		ND				30	
p,m-Xylene	ND	50.0	"		ND				30	
o-Xylene	ND	50.0	"		ND				30	
Surrogate: Bromochlorobenzene	2490		"	2500		99.7	80-120			
Surrogate: 1,4-Difluorobenzene	2640		"	2500		105	80-120			
Surrogate: Fluorobenzene	2590		"	2500		104	80-120			

Matrix Spike (1308032-MS1)

Source: P302101-01

Prepared & Analyzed: 21-Feb-13

Benzene	2500	50.0	ug/kg	2500	ND	100	39-150			
Toluene	2540	50.0	"	2500	51.7	99.4	46-148			
Ethylbenzene	2520	50.0	"	2500	ND	101	32-160			
p,m-Xylene	5050	50.0	"	5000	ND	101	46-148			
o-Xylene	2560	50.0	"	2500	ND	102	46-148			
Surrogate: Bromochlorobenzene	2500		"	2500		99.8	80-120			
Surrogate: 1,4-Difluorobenzene	2430		"	2500		97.0	80-120			
Surrogate: Fluorobenzene	2420		"	2500		96.7	80-120			

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ConocoPhillips	Project Name:	Confirmation Sampling/Mark Maddox #1A	Reported:
PO Box 2200	Project Number:	92115-2395	27-Feb-13 08:30
Bartlesville OK, 74005	Project Manager:	Kory Peine	

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
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Batch 1308030 - GRO/DRO Extraction EPA 3550C

Blank (1308030-BLK1)

Prepared: 20-Feb-13 Analyzed: 21-Feb-13

Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg							
Diesel Range Organics (C10-C28)	ND	5.0	"							
GRO and DRO Combined Fractions	ND	5.0	"							

Duplicate (1308030-DUP1)

Source: P302101-01

Prepared: 20-Feb-13 Analyzed: 21-Feb-13

Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg		ND				30	
Diesel Range Organics (C10-C28)	ND	5.0	"		ND				30	

Matrix Spike (1308030-MS1)

Source: P302101-01

Prepared: 20-Feb-13 Analyzed: 21-Feb-13

Gasoline Range Organics (C6-C10)	252		mg/L	250	0.3	101	75-125			
Diesel Range Organics (C10-C28)	249		"	250	1.7	99.1	75-125			

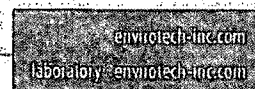
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Confirmation Sampling/Mark Maddox #1A
Project Number: 92115-2395
Project Manager: Kory Peine

Reported:
27-Feb-13 08:30

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

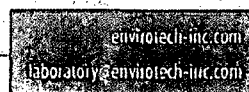
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Rush Please !!!

CHAIN OF CUSTODY RECORD

15224

Page 11 of 11

Client: Conoco Phillips		Project Name / Location: Mark Maddox		ANALYSIS / PARAMETERS															
Email results to: K. Peine		Confirmation Sampling / A # 1																	
Client Phone No.:		Sampler Name: K. Peine																	
Client No.: 92115-2395																			

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					H ₂ O ₂	HCl	cool														
North wall Comp	2-20-13	13:15	P302101-01A	1 4oz Jar			X	X	X											X	X
South wall Comp	2-20-13	13:20	P302101-02A	1 4oz Jar			X	X	X											X	X
East wall Comp	2-20-13	13:26	P302101-03A	1 4oz Jar			X	X	X											X	X
West wall Comp	2-20-13	13:32	P302101-04A	1 4oz Jar			X	X	X											X	X
Sandstone Bottom Comp	2-20-13	13:37	P302101-05A	1 4oz Jar			X	X	X											X	X

Relinquished by: (Signature) <i>Kay Peine</i>	Date	Time	Received by: (Signature) <i>William J...</i>	Date	Time
	2-20-13	15:20		2/20/13	15:20
Relinquished by: (Signature)			Received by: (Signature)		
Sample Matrix					
Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐					
☐ Sample(s) dropped off after hours to secure drop off area.					



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