

3R – 468

C-141

03 / 15 / 2013

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

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: State Com J 6 Pipeline C4	Facility Type: Pipeline

Surface Owner State	Mineral Owner State (B-10938)	API No. 30-045-10070
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LOCATION OF RELEASE

Unit Letter L	Section 36	Township 31N	Range 9W	Feet from the 1650	North/South Line South	Feet from the 990	East/West Line West	County San Juan
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Latitude **36.851951** Longitude **107.73759**

RCVD MAR 21 '13
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release Produced Water & Hydrocarbon	Volume of Release 1bbl	Volume Recovered None
Source of Release Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3/15/2013 at 12:00pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell (NMOCD)	
By Whom? Crystal Tafoya	Date and Hour 3/15/2013 at 3:30pm	
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse. 1 bbls	

If a Watercourse was Impacted, Describe Fully.*

Pipeline leak was discovered in the middle of a natural drainage. The spill was contained to a 5' diameter with a depth of approximately 2". The site was bermed to prevent traveling. No surface water was impacted.

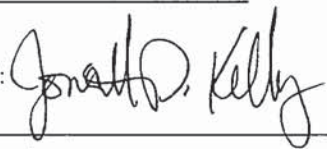
Describe Cause of Problem and Remedial Action Taken.*

The SJ C4 gas pipeline developed a leak which released produced water and condensate at a point where the line crosses a small wash. The wells on the pipeline were immediately shut-in and the spill site bermed.

Describe Area Affected and Cleanup Action Taken.*

ConocoPhillips will assess the soil to determine a path forward for clean-up if necessary.

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: 4/25/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 3/20/2013 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

WJK1311548006

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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 AMENDED

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: State Com J 6 Pipeline C4	Facility Type: Pipeline

Surface Owner State	Mineral Owner State (B-10938)	API No. 30-045-10070
----------------------------	--------------------------------------	-----------------------------

LOCATION OF RELEASE

Unit Letter L	Section 36	Township 31N	Range 9W	Feet from the 1650	North/South Line South	Feet from the 990	East/West Line West	County San Juan
-------------------------	----------------------	------------------------	--------------------	------------------------------	----------------------------------	-----------------------------	-------------------------------	---------------------------

Latitude **36.851951** Longitude **107.73759**

NATURE OF RELEASE

Type of Release Produced Water & Hydrocarbon	Volume of Release 54bbls Produced Water & Hydrocarbon	Volume Recovered 15bbls Hydrocarbon & 19bbls PW
Source of Release Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3/15/2013 at 12:00pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell (NMOCD)	OIL CONS. DIV DIST. 3
By Whom? Crystal Tafoya	Date and Hour 3/15/2013 at 3:30pm	JUN 12 2013
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse. Groundwater Encountered	

If a Watercourse was Impacted, Describe Fully.*

Pipeline leak was discovered in the middle of a natural drainage. The surface stain was 5' diameter with a depth of approximately 2".

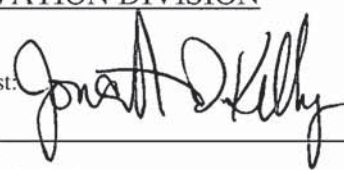
Describe Cause of Problem and Remedial Action Taken.*

The SJ C4 gas pipeline developed a leak which released produced water and condensate at a point where the line crosses a small wash. The wells on the pipeline were immediately shut-in and the spill site bermed. The site was bermed to prevent traveling. An excavator was used to start trenching for the pipeline. A 10' X 10' X 6' excavation and a 15' X 4' trench was dug to the north for delineation purposes. During excavation groundwater was encountered. A water sample was taken and evaluated. A site assessment was conducted to determine the size of contamination.

Describe Area Affected and Cleanup Action Taken.*

The water sample and surface stain results are attached for review. ConocoPhillips will continue to assess the soil to determine a path forward for clean-up if necessary.

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: 7/11/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 5/17/2013 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

nJK1319252877

35



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15306

Samples Received: 3/18/2013 2:55:00PM

Job Number: 96052-1706

Work Order: P303059

Project Name/Location: State Com J #6

Entire Report Reviewed By:

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

Date: 3/19/13

Tim Cain, Laboratory Manager

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.



Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1-Stain	P303059-01A	Soil	03/18/13	03/18/13	Glass Jar, 4 oz.
#2-Outside	P303059-02A	Soil	03/18/13	03/18/13	Glass Jar, 4 oz.

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#1-Stain
P303059-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	13900	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Toluene	282000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Ethylbenzene	131000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
p,m-Xylene	1570000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
o-Xylene	362000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Total BTEX	2350000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		106 %	80-120		1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.4 %	80-120		1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		97.7 %	80-120		1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	11100	4.8	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	3820	4.8	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	15000	4.8	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
Cation/Anion Analysis									
Chloride	ND	1.00	mg/kg	1	1312009	19-Mar-13	19-Mar-13	EPA 300.0	

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#2-Outside
P303059-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Toluene	145	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Ethylbenzene	59.3	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
p,m-Xylene	852	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
o-Xylene	217	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Total BTEX	1270	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %	80-120		1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		105 %	80-120		1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		102 %	80-120		1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.9	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	6.1	4.9	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	6.1	4.9	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
Cation/Anion Analysis									
Chloride	11.4	1.00	mg/kg	1	1312009	19-Mar-13	19-Mar-13	EPA 300.0	

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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 1312001 - Purge and Trap EPA 5030A

Blank (1312001-BLK1)

Prepared & Analyzed: 18-Mar-13

Benzene	ND	50.0	ug/L							
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	50.6		"	50.0		101	80-120			
Surrogate: 1,4-Difluorobenzene	48.7		"	50.0		97.5	80-120			
Surrogate: Fluorobenzene	50.5		"	50.0		101	80-120			

Duplicate (1312001-DUP1)

Source: P303056-01

Prepared & Analyzed: 18-Mar-13

Benzene	ND	50.0	ug/L		ND				30	
Toluene	ND	50.0	"		ND				30	
Ethylbenzene	ND	50.0	"		ND				30	
p,m-Xylene	ND	50.0	"		ND				30	
o-Xylene	ND	50.0	"		ND				30	
Surrogate: Bromochlorobenzene	51.2		"	50.0		102	80-120			
Surrogate: 1,4-Difluorobenzene	48.2		"	50.0		96.5	80-120			
Surrogate: Fluorobenzene	49.8		"	50.0		99.6	80-120			

Matrix Spike (1312001-MS1)

Source: P303056-01

Prepared & Analyzed: 18-Mar-13

Benzene	15.8		ug/L	50.0	0.20	31.2	39-150			SPK1
Toluene	50.8		"	50.0	0.52	101	46-148			
Ethylbenzene	50.6		"	50.0	0.10	101	32-160			
p,m-Xylene	101		"	100	0.70	100	46-148			
o-Xylene	50.7		"	50.0	0.37	101	46-148			
Surrogate: Bromochlorobenzene	51.6		"	50.0		103	80-120			
Surrogate: 1,4-Difluorobenzene	48.6		"	50.0		97.2	80-120			
Surrogate: Fluorobenzene	48.6		"	50.0		97.2	80-120			

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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1312002 - GRO/DRO Extraction EPA 3550C										
Blank (1312002-BLK1)				Prepared & Analyzed: 18-Mar-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 (1312002-DUP1)				Source: P303056-01	Prepared & Analyzed: 18-Mar-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 (1312002-MS1)				Source: P303056-01	Prepared & Analyzed: 18-Mar-13					
Gasoline Range Organics (C6-C10)	207		mg/L	250	0.5	82.7	75-125			
Diesel Range Organics (C10-C28)	208		"	250	4.6	81.2	75-125			

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Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1312009 - Anion Extraction EPA 300.0										
Blank (1312009-BLK1)										
Prepared & Analyzed: 19-Mar-13										
Chloride	ND	1.00	mg/kg							

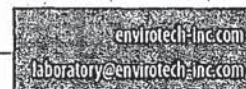
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Notes and Definitions

SPK1	The spike recovery for this QC sample is outside of control limits.
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

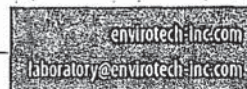
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RUSH

CHAIN OF CUSTODY RECORD

15306

Page 9 of 9

Client: <u>ConocoPhillips</u>				Project Name / Location: <u>State Con 5 #6</u>				ANALYSIS / PARAMETERS															
Email results to: <u>crystal-tafaya@cop.com</u>				Sampler Name: <u>Crystal Tafaya</u>				TPH (Method 8015)															
Client Phone No.: <u>(505) 326-9837</u>				Client No.: <u>96052-1706</u>				BTX (Method 8021)															
Sample No./ Identification				Sample Date		Sample Time		Lab No.		No./Volume of Containers		Preservative HgCl ₂ HCl		VOC (Method 8260)									
#1 - Stain				3/18		9:30 AM		P303059-01		1-402				RCFA 8 Metals									
#2 - Outside				3/18		9:30 AM		P303059-02		1-402				Cation / Anion									
														RCI									
														TCLP with H/P									
														CO Table 910-1									
														TPH (418.1)									
														CHLORIDE									
														Sample Cool									
														Sample Intact									
Relinquished by: (Signature) <u>Crystal Tafaya</u>				Date 3/18		Time 2:55pm		Received by: (Signature) <u>[Signature]</u>		Date 3/18		Time 2:55pm											
Relinquished by: (Signature)				Date		Time		Received by: (Signature)		Date		Time											
Sample Matrix				Soil ☒		Solid ☐		Sludge ☐		Aqueous ☐		Other ☐											
☐ Sample(s) dropped off after hours to secure drop off area.																							
9495739																							
Approval: <u>BRADLY</u>																							
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envirotech
Analytical Laboratory

Approval: BRADLY

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Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15315

Samples Received: 3/20/2013 4:00:00PM

Job Number: 96052-2315

Work Order: P303070

Project Name/Location: Spill Assessment/ State
Com J #6

Entire Report Reviewed By:

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

Date: 3/21/13

Tim Cain, Laboratory Manager

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.



Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sample 1	P303070-01A	Aqueous	03/20/13	03/20/13	Ambicr, 1L
	P303070-01B	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL
	P303070-01C	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL
	P303070-01D	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL
	P303070-01E	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL

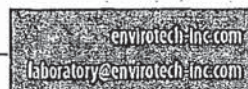
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Sample 1
P303070-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	1.48	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	1.48	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		97.9 %		80-120	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.8 %		80-120	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		98.2 %		80-120	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.0	mg/L	10	1312024	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.0	mg/L	10	1312024	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.0	mg/L	10	1312024	21-Mar-13	21-Mar-13	EPA 8015D	
Cation/Anion Analysis									
Chloride	34.1	1.00	mg/L	1	1312026	21-Mar-13	21-Mar-13	EPA 300.0	

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Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1312029 - Purge and Trap EPA 5030A

Blank (1312029-BLK1)

Prepared & Analyzed: 21-Mar-13

Benzene	ND	1.00	ug/L							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
p,m-Xylene	ND	1.00	"							
o-Xylene	ND	1.00	"							
Total BTEX	ND	1.00	"							
Surrogate: Bromochlorobenzene	47.8		"	50.0		95.7	80-120			
Surrogate: 1,4-Difluorobenzene	51.8		"	50.0		104	80-120			
Surrogate: Fluorobenzene	51.5		"	50.0		103	80-120			

Duplicate (1312029-DUP1)

Source: P303070-01

Prepared & Analyzed: 21-Mar-13

Benzene	1.77	1.00	ug/L		1.48			18.0	200	
Toluene	ND	1.00	"		ND				200	
Ethylbenzene	ND	1.00	"		ND				200	
p,m-Xylene	ND	1.00	"		ND				200	
o-Xylene	ND	1.00	"		ND				200	
Surrogate: Bromochlorobenzene	52.4		"	50.0		105	80-120			
Surrogate: 1,4-Difluorobenzene	52.3		"	50.0		105	80-120			
Surrogate: Fluorobenzene	52.4		"	50.0		105	80-120			

Matrix Spike (1312029-MS1)

Source: P303070-01

Prepared & Analyzed: 21-Mar-13

Benzene	38.2		ug/L	50.0	1.48	73.5	39-150			
Toluene	52.9		"	50.0	0.68	104	46-148			
Ethylbenzene	52.7		"	50.0	0.13	105	32-160			
p,m-Xylene	105		"	100	0.82	105	46-148			
o-Xylene	52.5		"	50.0	0.34	104	46-148			
Surrogate: Bromochlorobenzene	52.1		"	50.0		104	80-120			
Surrogate: 1,4-Difluorobenzene	52.8		"	50.0		106	80-120			
Surrogate: Fluorobenzene	52.6		"	50.0		105	80-120			

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Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1312026 - Anion Extraction EPA 300.0										
Blank (1312026-BLK1)										
Chloride	ND	1.00	mg/L							Prepared & Analyzed: 21-Mar-13
Duplicate (1312026-DUP1)										
Chloride	34.1	1.00	mg/L		34.1			0.0410	30	Source: P303070-01 Prepared & Analyzed: 21-Mar-13

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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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15315

Page 7 of 7

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Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15318

Samples Received: 3/20/2013 4:10:00PM

Job Number: 96052-2315

Work Order: P303071

Project Name/Location: State Com J #6

Confirmation Sampling

Entire Report Reviewed By:

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

Date: 3/21/13

Tim Cain, Laboratory Manager

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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1	P303071-01A	Soil	03/20/13	03/20/13	Glass Jar, 4 oz.
2	P303071-02A	Soil	03/20/13	03/20/13	Glass Jar, 4 oz.
3	P303071-03A	Soil	03/20/13	03/20/13	Glass Jar, 4 oz.

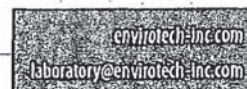
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P303071-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	582	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	582	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		88.4 %		80-120	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.2 %		80-120	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		91.0 %		80-120	1312021	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	7.7	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	36.0	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	43.6	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	21-Mar-13	EPA 8015D	

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2

P303071-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	ND	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	ND	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	2410	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	641	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	3050	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		93.2 %	80-120		1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %	80-120		1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		93.7 %	80-120		1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	11.1	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	16.2	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	27.2	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	

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P303071-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	753	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	17800	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	7450	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	82000	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	18700	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	127000	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		94.9 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.8 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		93.0 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	304	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	117	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	421	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	

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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 1312021 - Purge and Trap EPA 5030A

Blank (1312021-BLK1)

Prepared: 20-Mar-13 Analyzed: 21-Mar-13

Benzene	ND	0.99	ug/L							
Toluene	ND	0.99	"							
Ethylbenzene	ND	0.99	"							
p,m-Xylene	ND	0.99	"							
o-Xylene	ND	0.99	"							
Total BTEX	ND	0.99	"							
Surrogate: Bromochlorobenzene	45.0		"	50.0		89.9	80-120			
Surrogate: 1,4-Difluorobenzene	45.2		"	50.0		90.4	80-120			
Surrogate: Fluorobenzene	45.6		"	50.0		91.3	80-120			

Duplicate (1312021-DUP1)

Source: P303066-01

Prepared: 20-Mar-13 Analyzed: 21-Mar-13

Benzene	ND	497	ug/L		ND				30	
Toluene	1410	497	"		1460			3.58	30	
Ethylbenzene	662	497	"		682			2.95	30	
p,m-Xylene	6570	497	"		6670			1.61	30	
o-Xylene	2540	497	"		2580			1.64	30	
Surrogate: Bromochlorobenzene	49.2		"	50.0		98.5	80-120			
Surrogate: 1,4-Difluorobenzene	45.8		"	50.0		91.6	80-120			
Surrogate: Fluorobenzene	45.6		"	50.0		91.2	80-120			

Matrix Spike (1312021-MS1)

Source: P303066-01

Prepared: 20-Mar-13 Analyzed: 21-Mar-13

Benzene	51.8		ug/L	50.0	0.33	103	39-150			
Toluene	54.2		"	50.0	2.92	103	46-148			
Ethylbenzene	52.7		"	50.0	1.36	103	32-160			
p,m-Xylene	114		"	100	13.3	101	46-148			
o-Xylene	54.8		"	50.0	5.16	99.3	46-148			
Surrogate: Bromochlorobenzene	50.5		"	50.0		101	80-120			
Surrogate: 1,4-Difluorobenzene	50.6		"	50.0		101	80-120			
Surrogate: Fluorobenzene	50.7		"	50.0		101	80-120			

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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1312022 - GRO/DRO Extraction EPA 3550C										
Blank (1312022-BLK1)				Prepared: 20-Mar-13 Analyzed: 21-Mar-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 (1312022-DUP1)				Source: P303066-01	Prepared: 20-Mar-13 Analyzed: 21-Mar-13					
Gasoline Range Organics (C6-C10)	67.3	5.0	mg/kg		67.6			0.464	30	
Diesel Range Organics (C10-C28)	90.2	5.0	"		94.9			5.04	30	
Matrix Spike (1312022-MS1)				Source: P303066-01	Prepared: 20-Mar-13 Analyzed: 21-Mar-13					
Gasoline Range Organics (C6-C10)	291	5.0	mg/kg	250	67.6	89.2	75-125			
Diesel Range Organics (C10-C28)	291	5.0	"	250	94.9	78.4	75-125			

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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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15318

Client: COPC (LBR)

Project Name / Location: State Com ITG Confirmation Sampling

Email results to: rgarcia@envirotech-inc.com

Sampler Name: David Garcia Reyes

Client Phone No.:

Client No.: 96052-2315

Sample No. / Identification

Sample Date

Sample Time

Lab No.

No. / Volume of Containers

Preservative

HgCl₂

HCl

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

Relinquished by: (Signature)

3/20/13

13:35

P303071-01

402

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Relinquished by: (Signature)

3/20/13

13:40

P303071-02

↓

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Relinquished by: (Signature)

3/20/13

13:45

P303071-03

↓

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Date

Time

Received by: (Signature)

Date

Time

Received by: (Signature)

Sample Matrix

Soil

Sludge

Aqueous

Other

Sample(s) dropped off after hours to secure drop off area.

RUST

envirotech

Analytical Laboratory

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Page 9



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15327

Samples Received: 3/22/2013 3:30:00PM

Job Number: 96052-2315

Work Order: P303079

Project Name/Location: Spill Assessment/ State
Com J #6

Entire Report Reviewed By:

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

Date: 3/25/13

Tim Cain, Laboratory Manager

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Excavation Water	P303079-01A	Aqueous	03/22/13	03/22/13	VOA Vial, 40mL
	P303079-01B	Aqueous	03/22/13	03/22/13	VOA Vial, 40mL
	P303079-01C	Aqueous	03/22/13	03/22/13	VOA Vial, 40mL

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Excavation Water

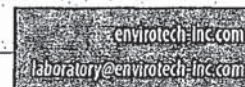
P303079-01 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organic Compounds by 8260										
Benzene	3.96	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Toluene	11.2	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Ethylbenzene	6.02	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
p,m-Xylene	15.0	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
o-Xylene	8.74	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Total Xylenes	23.8	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Methyl tert-Butyl Ether	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,3,5-Trimethylbenzene	5.27	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,2-Dibromoethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Naphthalene	0.47	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1-Methylnaphthalene	0.12	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
2-Methylnaphthalene	0.28	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromochloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromodichloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromoform	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromomethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Carbon Tetrachloride	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
2-Chlorotoluene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chloroform	ND	0.01	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
4-Chlorotoluene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
cis-1,2-Dichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
cis-1,3-Dichloropropene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,2-Dibromo-3-chloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Dibromochloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,1-Dichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,2-Dichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,3-Dichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
2,2-Dichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,1-Dichloropropene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Hexachlorobutadiene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Isopropylbenzene	1.72	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		

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





ConocoPhillips	Project Name:	Spill Assessment/ State Com J #6	Reported:
PO Box 2200	Project Number:	96052-2315	25-Mar-13 14:36
Bartlesville OK, 74005	Project Manager:	Kory Peine	

Excavation Water
P303079-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
4-Isopropyltoluene	0.45	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Methylene Chloride	ND	0.05	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
n-Butyl Benzene	0.27	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
n-Propyl Benzene	2.23	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
sec-Butylbenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Styrene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
tert-Butylbenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Tetrachloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Trichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Trichlorofluoromethane	ND	0.01	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,2-Trichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,3-Trichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Vinyl chloride	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,4-Trimethylbenzene	1.21	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Dibromomethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2-Dichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,3-Dichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,4-Dichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Dichlorodifluoromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1-Dichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2-Dichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Surrogate: Dibromofluoromethane	57.3 %	75-125			1313005	25-Mar-13	25-Mar-13	EPA 8260B	S-02
Surrogate: 1,2-Dichloroethane-d4	108 %	75-125			1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Surrogate: Toluene-d8	1990 %	75-125			1313005	25-Mar-13	25-Mar-13	EPA 8260B	S-02
Surrogate: 4-Bromofluorobenzene	2630 %	75-125			1313005	25-Mar-13	25-Mar-13	EPA 8260B	S-02

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ConocoPhillips	Project Name:	Spill Assessment/ State Com J #6	Reported:
PO Box 2200	Project Number:	96052-2315	25-Mar-13 14:36
Bartlesville OK, 74005	Project Manager:	Kory Peine	

Volatile Organic Compounds by 8260 - 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 1313005 - Purge and Trap EPA 5030A

Blank (1313005-BLK1)

Prepared & Analyzed: 25-Mar-13

Benzene	ND	0.005	mg/L
Toluene	ND	0.005	"
Ethylbenzene	ND	0.005	"
p,m-Xylene	ND	0.005	"
o-Xylene	ND	0.005	"
Total Xylenes	ND	0.005	"
Methyl tert-Butyl Ether	ND	0.005	"
1,3,5-Trimethylbenzene	ND	0.005	"
1,2-Dibromoethane	ND	0.005	"
Naphthalene	ND	0.005	"
1-Methylnaphthalene	ND	0.005	"
2-Methylnaphthalene	ND	0.005	"
Bromobenzene	ND	0.005	"
Bromochloromethane	ND	0.005	"
Bromodichloromethane	ND	0.005	"
Bromoform	ND	0.005	"
Bromomethane	ND	0.005	"
Carbon Tetrachloride	ND	0.005	"
Chlorobenzene	ND	0.005	"
Chloroethane	ND	0.005	"
2-Chlorotoluene	ND	0.005	"
Chloroform	ND	0.01	"
4-Chlorotoluene	ND	0.005	"
Chloromethane	ND	0.005	"
cis-1,2-Dichloroethene	ND	0.005	"
cis-1,3-Dichloropropene	ND	0.005	"
1,2-Dibromo-3-chloropropane	ND	0.005	"
Dibromochloromethane	ND	0.005	"
1,1-Dichloroethane	ND	0.005	"
1,2-Dichloropropane	ND	0.005	"
1,3-Dichloropropane	ND	0.005	"
2,2-Dichloropropane	ND	0.005	"
1,1-Dichloropropene	ND	0.005	"
Hexachlorobutadiene	ND	0.005	"
Isopropylbenzene	ND	0.005	"
4-Isopropyltoluene	ND	0.005	"
Methylene Chloride	ND	0.05	"

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ConocoPhillips	Project Name:	Spill Assessment/ State Com J #6	Reported:
PO Box 2200	Project Number:	96052-2315	25-Mar-13 14:36
Bartlesville OK, 74005	Project Manager:	Kory Peine	

Volatile Organic Compounds by 8260 - 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 1313005 - Purge and Trap EPA 5030A

Blank (1313005-BLK1)

Prepared & Analyzed: 25-Mar-13

n-Butyl Benzene	ND	0.005	mg/L							
n-Propyl Benzene	ND	0.005	"							
sec-Butylbenzene	ND	0.005	"							
Styrene	ND	0.005	"							
tert-Butylbenzene	ND	0.005	"							
Tetrachloroethene	ND	0.005	"							
1,1,1,2-Tetrachloroethane	ND	0.005	"							
1,1,2,2-Tetrachloroethane	ND	0.005	"							
trans-1,2-Dichloroethene	ND	0.005	"							
trans-1,3-Dichloropropene	ND	0.005	"							
Trichloroethene	ND	0.005	"							
Trichlorofluoromethane	ND	0.01	"							
1,2,3-Trichlorobenzene	ND	0.005	"							
1,2,4-Trichlorobenzene	ND	0.005	"							
1,1,1-Trichloroethane	ND	0.005	"							
1,1,2-Trichloroethane	ND	0.005	"							
1,2,3-Trichloropropane	ND	0.005	"							
Vinyl chloride	ND	0.005	"							
1,2,4-Trimethylbenzene	ND	0.005	"							
Dibromomethane	ND	0.005	"							
1,2-Dichlorobenzene	ND	0.005	"							
1,3-Dichlorobenzene	ND	0.005	"							
1,4-Dichlorobenzene	ND	0.005	"							
Dichlorodifluoromethane	ND	0.005	"							
1,1-Dichloroethene	ND	0.005	"							
1,2-Dichloroethane	ND	0.005	"							
Surrogate: Dibromofluoromethane	95.4		ug/L	100		95.4	75-125			
Surrogate: 1,2-Dichloroethane-d4	80.8		"	100		80.8	75-125			
Surrogate: Toluene-d8	87.0		"	100		87.0	75-125			
Surrogate: 4-Bromofluorobenzene	96.7		"	100		96.7	75-125			

Matrix Spike (1313005-MS1)

Source: P303079-01

Prepared & Analyzed: 25-Mar-13

Benzene	1090		ug/L	100	3960	NR	75-125			SPK1
Toluene	9690		"	100	11200	NR	75-125			SPK1
Chlorobenzene	95.9		"	100	ND	95.9	75-125			
Trichloroethene	69.7		"	100	ND	69.7	75-125			SPK1
Surrogate: Dibromofluoromethane	58.9		"	100		58.9	75-125			S-02

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ConocoPhillips	Project Name:	Spill Assessment/ State Com J #6	Reported:
PO Box 2200	Project Number:	96052-2315	25-Mar-13 14:36
Bartlesville OK, 74005	Project Manager:	Kory Peine	

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1313005 - Purge and Trap EPA 5030A

Matrix Spike (1313005-MS1) Source: P303079-01 Prepared & Analyzed: 25-Mar-13

Surrogate: 1,2-Dichloroethane-d4	56.5		ug/L	100		56.5	75-125			S-02
Surrogate: Toluene-d8	87.2		"	100		87.2	75-125			
Surrogate: 4-Bromofluorobenzene	2230		"	100		NR	75-125			S-02

Matrix Spike Dup (1313005-MSD1) Source: P303079-01 Prepared & Analyzed: 25-Mar-13

Benzene	1230		ug/L	100	3960	NR	75-125	12.4	30	SPK1
Toluene	12000		"	100	11200	782	75-125	21.3	30	SPK1
Chlorobenzene	96.8		"	100	ND	96.8	75-125	0.996	30	
Trichloroethene	63.6		"	100	ND	63.6	75-125	9.27	30	SPK1
Surrogate: Dibromofluoromethane	55.4		"	100		55.4	75-125			S-02
Surrogate: 1,2-Dichloroethane-d4	54.8		"	100		54.8	75-125			S-02
Surrogate: Toluene-d8	1060		"	100		NR	75-125			S-02
Surrogate: 4-Bromofluorobenzene	2580		"	100		NR	75-125			S-02

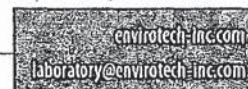
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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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15327

Page 9 of 9

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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: State Com J 6 Pipeline C4	Facility Type: Pipeline

Surface Owner State	Mineral Owner State (B-10938)	API No. 30-045-10070
----------------------------	--------------------------------------	-----------------------------

LOCATION OF RELEASE

Unit Letter L	Section 36	Township 31N	Range 9W	Feet from the 1650	North/South Line South	Feet from the 990	East/West Line West	County San Juan
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Latitude 36.851951 Longitude 107.73759

RCVD APR 2 '13
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release Produced Water & Hydrocarbon	Volume of Release Unknown	Volume Recovered 135bbls
Source of Release Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3/15/2013 at 12:00pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell (NMOCD)	
By Whom? Crystal Tafoya	Date and Hour 3/15/2013 at 3:30pm	
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse. Groundwater Encountered	

If a Watercourse was Impacted, Describe Fully.*

Pipeline leak was discovered in the middle of a natural drainage. The surface stain was 5' diameter with a depth of approximately 2".

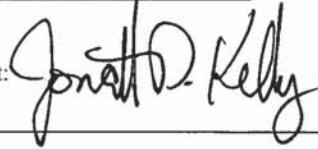
Describe Cause of Problem and Remedial Action Taken.*

The SJ C4 gas pipeline developed a leak which released produced water and condensate at a point where the line crosses a small wash. The wells on the pipeline were immediately shut-in and the spill site bermed. The site was bermed to prevent traveling. An excavator was used to start trenching for the pipeline. A 10' X 10' X 6' excavation and a 15' X 4' trench was dug to the north for delineation purposes. During excavation groundwater was encountered and a groundwater investigation will be completed. A water sample was collected and will be evaluated. A site assessment was conducted to determine the size of contamination.

Describe Area Affected and Cleanup Action Taken.*

The water sample and surface stain results are attached for review. ConocoPhillips will continue to assess the soil to determine a path forward for clean-up if necessary.

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: 9/24/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com		Conditions of Approval:	Attached ☐
Date: 4/1/2013 Phone: (505) 326-9837			

* Attach Additional Sheets If Necessary

nSK1326741691



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15306

Samples Received: 3/18/2013 2:55:00PM

Job Number: 96052-1706

Work Order: P303059

Project Name/Location: State Com J #6

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a rectangular area with a halftone dot pattern.

Date: 3/19/13

Tim Cain, Laboratory Manager

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.



Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1-Stain	P303059-01A	Soil	03/18/13	03/18/13	Glass Jar, 4 oz.
#2-Outside	P303059-02A	Soil	03/18/13	03/18/13	Glass Jar, 4 oz.

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



#1-Stain
P303059-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	13900	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
Toluene	282000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
Ethylbenzene	131000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
p,m-Xylene	1570000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
o-Xylene	362000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
Total BTEX	2350000	4930	ug/L	100	1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		106 %	80-120		1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.4 %	80-120		1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		97.7 %	80-120		1312001	19-Mar-13	19-Mar-13	19-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	11100	4.8	mg/kg	1	1312002	18-Mar-13	18-Mar-13	18-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	3820	4.8	mg/kg	1	1312002	18-Mar-13	18-Mar-13	18-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	15000	4.8	mg/kg	1	1312002	18-Mar-13	18-Mar-13	18-Mar-13	EPA 8015D	
Cation/Anion Analysis										
Chloride	ND	1.00	mg/kg	1	1312009	19-Mar-13	19-Mar-13	19-Mar-13	EPA 300.0	

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



#2-Outside
P303059-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Toluene	145	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Ethylbenzene	59.3	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
p,m-Xylene	852	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
o-Xylene	217	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Total BTEX	1270	48.0	ug/L	1	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		105 %		80-120	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		102 %		80-120	1312001	19-Mar-13	19-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.9	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	6.1	4.9	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	6.1	4.9	mg/kg	1	1312002	18-Mar-13	18-Mar-13	EPA 8015D	
Cation/Anion Analysis									
Chloride	11.4	1.00	mg/kg	1	1312009	19-Mar-13	19-Mar-13	EPA 300.0	

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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 1312001 - Purge and Trap EPA 5030A

Blank (1312001-BLK1)

Prepared & Analyzed: 18-Mar-13

Benzene	ND	50.0	ug/L							
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	50.6		"	50.0		101	80-120			
Surrogate: 1,4-Difluorobenzene	48.7		"	50.0		97.5	80-120			
Surrogate: Fluorobenzene	50.5		"	50.0		101	80-120			

Duplicate (1312001-DUP1)

Source: P303056-01

Prepared & Analyzed: 18-Mar-13

Benzene	ND	50.0	ug/L		ND				30	
Toluene	ND	50.0	"		ND				30	
Ethylbenzene	ND	50.0	"		ND				30	
p,m-Xylene	ND	50.0	"		ND				30	
o-Xylene	ND	50.0	"		ND				30	
Surrogate: Bromochlorobenzene	51.2		"	50.0		102	80-120			
Surrogate: 1,4-Difluorobenzene	48.2		"	50.0		96.5	80-120			
Surrogate: Fluorobenzene	49.8		"	50.0		99.6	80-120			

Matrix Spike (1312001-MS1)

Source: P303056-01

Prepared & Analyzed: 18-Mar-13

Benzene	15.8		ug/L	50.0	0.20	31.2	39-150			SPK1
Toluene	50.8		"	50.0	0.52	101	46-148			
Ethylbenzene	50.6		"	50.0	0.10	101	32-160			
p,m-Xylene	101		"	100	0.70	100	46-148			
o-Xylene	50.7		"	50.0	0.37	101	46-148			
Surrogate: Bromochlorobenzene	51.6		"	50.0		103	80-120			
Surrogate: 1,4-Difluorobenzene	48.6		"	50.0		97.2	80-120			
Surrogate: Fluorobenzene	48.6		"	50.0		97.2	80-120			

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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 1312002 - GRO/DRO Extraction EPA 3550C

Blank (1312002-BLK1)

Prepared & Analyzed: 18-Mar-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 (1312002-DUP1)

Source: P303056-01

Prepared & Analyzed: 18-Mar-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 (1312002-MS1)

Source: P303056-01

Prepared & Analyzed: 18-Mar-13

Gasoline Range Organics (C6-C10)	207	mg/L	250	0.5	82.7	75-125
Diesel Range Organics (C10-C28)	208	"	250	4.6	81.2	75-125

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Cation/Anion Analysis - 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 1312009 - Anion Extraction EPA 300.0

Blank (1312009-BLK1)

Prepared & Analyzed: 19-Mar-13

Chloride	ND	1.00	mg/kg							
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Notes and Definitions

SPK1	The spike recovery for this QC sample is outside of control limits.
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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15306

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Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15315

Samples Received: 3/20/2013 4:00:00PM

Job Number: 96052-2315

Work Order: P303070

Project Name/Location: Spill Assessment/ State
Com J #6

Entire Report Reviewed By:

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

Date: 3/21/13

Tim Cain, Laboratory Manager

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.



Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sample 1	P303070-01A	Aqueous	03/20/13	03/20/13	Amber, 1L
	P303070-01B	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL
	P303070-01C	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL
	P303070-01D	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL
	P303070-01E	Aqueous	03/20/13	03/20/13	VOA Vial, 40mL

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Sample 1
P303070-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	1.48	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	ND	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	1.48	1.00	ug/L	1	1312029	21-Mar-13	21-Mar-13	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		<i>97.9 %</i>		<i>80-120</i>	<i>1312029</i>	<i>21-Mar-13</i>	<i>21-Mar-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>97.8 %</i>		<i>80-120</i>	<i>1312029</i>	<i>21-Mar-13</i>	<i>21-Mar-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: Fluorobenzene</i>		<i>98.2 %</i>		<i>80-120</i>	<i>1312029</i>	<i>21-Mar-13</i>	<i>21-Mar-13</i>	<i>EPA 8021B</i>	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.0	mg/L	10	1312024	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.0	mg/L	10	1312024	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.0	mg/L	10	1312024	21-Mar-13	21-Mar-13	EPA 8015D	
Cation/Anion Analysis									
Chloride	34.1	1.00	mg/L	1	1312026	21-Mar-13	21-Mar-13	EPA 300.0	

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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 1312029 - Purge and Trap EPA 5030A

Blank (1312029-BLK1)

Prepared & Analyzed: 21-Mar-13

Benzene	ND	1.00	ug/L							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
p,m-Xylene	ND	1.00	"							
o-Xylene	ND	1.00	"							
Total BTEX	ND	1.00	"							
Surrogate: Bromochlorobenzene	47.8		"	50.0		95.7	80-120			
Surrogate: 1,4-Difluorobenzene	51.8		"	50.0		104	80-120			
Surrogate: Fluorobenzene	51.5		"	50.0		103	80-120			

Duplicate (1312029-DUP1)

Source: P303070-01

Prepared & Analyzed: 21-Mar-13

Benzene	1.77	1.00	ug/L		1.48			18.0	200	
Toluene	ND	1.00	"		ND				200	
Ethylbenzene	ND	1.00	"		ND				200	
p,m-Xylene	ND	1.00	"		ND				200	
o-Xylene	ND	1.00	"		ND				200	
Surrogate: Bromochlorobenzene	52.4		"	50.0		105	80-120			
Surrogate: 1,4-Difluorobenzene	52.3		"	50.0		105	80-120			
Surrogate: Fluorobenzene	52.4		"	50.0		105	80-120			

Matrix Spike (1312029-MS1)

Source: P303070-01

Prepared & Analyzed: 21-Mar-13

Benzene	38.2		ug/L	50.0	1.48	73.5	39-150			
Toluene	52.9		"	50.0	0.68	104	46-148			
Ethylbenzene	52.7		"	50.0	0.13	105	32-160			
p,m-Xylene	105		"	100	0.82	105	46-148			
o-Xylene	52.5		"	50.0	0.34	104	46-148			
Surrogate: Bromochlorobenzene	52.1		"	50.0		104	80-120			
Surrogate: 1,4-Difluorobenzene	52.8		"	50.0		106	80-120			
Surrogate: Fluorobenzene	52.6		"	50.0		105	80-120			

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Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1312026 - Anion Extraction EPA 300.0										
Blank (1312026-BLK1)				Prepared & Analyzed: 21-Mar-13						
Chloride	ND	1.00	mg/L							
Duplicate (1312026-DUP1)				Source: P303070-01 Prepared & Analyzed: 21-Mar-13						
Chloride	34.1	1.00	mg/L		34.1			0.0410	30	

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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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15315

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Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15318

Samples Received: 3/20/2013 4:10:00PM

Job Number: 96052-2315

Work Order: P303071

Project Name/Location: State Com J #6

Confirmation Sampling

Entire Report Reviewed By:

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

Date: 3/21/13

Tim Cain, Laboratory Manager

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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1	P303071-01A	Soil	03/20/13	03/20/13	Glass Jar, 4 oz.
2	P303071-02A	Soil	03/20/13	03/20/13	Glass Jar, 4 oz.
3	P303071-03A	Soil	03/20/13	03/20/13	Glass Jar, 4 oz.

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P303071-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	582	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	ND	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	582	498	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		88.4 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.2 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		91.0 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	7.7	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	36.0	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	43.6	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	

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P303071-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	ND	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	ND	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	2410	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	641	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	3050	500	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		93.2 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		93.7 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	11.1	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	16.2	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	27.2	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	

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P303071-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	753	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Toluene	17800	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Ethylbenzene	7450	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
p,m-Xylene	82000	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
o-Xylene	18700	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Total BTEX	127000	499	ug/L	10	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		94.9 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.8 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		93.0 %		80-120	1312021	21-Mar-13	21-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	304	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	117	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	421	5.0	mg/kg	1	1312022	21-Mar-13	21-Mar-13	EPA 8015D	

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Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1312021 - Purge and Trap EPA 5030A										
Blank (1312021-BLK1)				Prepared: 20-Mar-13 Analyzed: 21-Mar-13						
Benzene	ND	0.99	ug/L							
Toluene	ND	0.99	"							
Ethylbenzene	ND	0.99	"							
p,m-Xylene	ND	0.99	"							
o-Xylene	ND	0.99	"							
Total BTEX	ND	0.99	"							
Surrogate: Bromochlorobenzene	45.0		"	50.0		89.9	80-120			
Surrogate: 1,4-Difluorobenzene	45.2		"	50.0		90.4	80-120			
Surrogate: Fluorobenzene	45.6		"	50.0		91.3	80-120			
Duplicate (1312021-DUP1)				Source: P303066-01 Prepared: 20-Mar-13 Analyzed: 21-Mar-13						
Benzene	ND	497	ug/L		ND				30	
Toluene	1410	497	"		1460			3.58	30	
Ethylbenzene	662	497	"		682			2.95	30	
p,m-Xylene	6570	497	"		6670			1.61	30	
o-Xylene	2540	497	"		2580			1.64	30	
Surrogate: Bromochlorobenzene	49.2		"	50.0		98.5	80-120			
Surrogate: 1,4-Difluorobenzene	45.8		"	50.0		91.6	80-120			
Surrogate: Fluorobenzene	45.6		"	50.0		91.2	80-120			
Matrix Spike (1312021-MS1)				Source: P303066-01 Prepared: 20-Mar-13 Analyzed: 21-Mar-13						
Benzene	51.8		ug/L	50.0	0.33	103	39-150			
Toluene	54.2		"	50.0	2.92	103	46-148			
Ethylbenzene	52.7		"	50.0	1.36	103	32-160			
p,m-Xylene	114		"	100	13.3	101	46-148			
o-Xylene	54.8		"	50.0	5.16	99.3	46-148			
Surrogate: Bromochlorobenzene	50.5		"	50.0		101	80-120			
Surrogate: 1,4-Difluorobenzene	50.6		"	50.0		101	80-120			
Surrogate: Fluorobenzene	50.7		"	50.0		101	80-120			

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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 1312022 - GRO/DRO Extraction EPA 3550C

Blank (1312022-BLK1)

Prepared: 20-Mar-13 Analyzed: 21-Mar-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 (1312022-DUP1)

Source: P303066-01

Prepared: 20-Mar-13 Analyzed: 21-Mar-13

Gasoline Range Organics (C6-C10)	67.3	5.0	mg/kg	67.6	0.464	30
Diesel Range Organics (C10-C28)	90.2	5.0	"	94.9	5.04	30

Matrix Spike (1312022-MS1)

Source: P303066-01

Prepared: 20-Mar-13 Analyzed: 21-Mar-13

Gasoline Range Organics (C6-C10)	291	5.0	mg/kg	250	67.6	89.2	75-125
Diesel Range Organics (C10-C28)	291	5.0	"	250	94.9	78.4	75-125

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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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15318

[illegible]



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15327

Samples Received: 3/22/2013 3:30:00PM

Job Number: 96052-2315

Work Order: P303079

Project Name/Location: Spill Assessment/ State
Com J #6

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a rectangular area with a dotted background.

Date: 3/25/13

Tim Cain, Laboratory Manager

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: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Excavation Water	P303079-01A	Aqueous	03/22/13	03/22/13	VOA Vial, 40mL
	P303079-01B	Aqueous	03/22/13	03/22/13	VOA Vial, 40mL
	P303079-01C	Aqueous	03/22/13	03/22/13	VOA Vial, 40mL

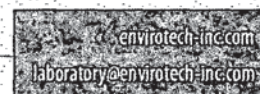
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Excavation Water
P303079-01 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organic Compounds by 8260										
Benzene	3.96	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Toluene	11.2	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Ethylbenzene	6.02	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
p,m-Xylene	15.0	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
o-Xylene	8.74	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Total Xylenes	23.8	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Methyl tert-Butyl Ether	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,3,5-Trimethylbenzene	5.27	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,2-Dibromoethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Naphthalene	0.47	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1-Methylnaphthalene	0.12	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
2-Methylnaphthalene	0.28	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromochloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromodichloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromoform	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Bromomethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Carbon Tetrachloride	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
2-Chlorotoluene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chloroform	ND	0.01	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
4-Chlorotoluene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Chloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
cis-1,2-Dichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
cis-1,3-Dichloropropene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,2-Dibromo-3-chloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Dibromochloromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,1-Dichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,2-Dichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,3-Dichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
2,2-Dichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
1,1-Dichloropropene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Hexachlorobutadiene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		
Isopropylbenzene	1.72	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B		

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Excavation Water
P303079-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
4-Isopropyltoluene	0.45	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Methylene Chloride	ND	0.05	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
n-Butyl Benzene	0.27	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
n-Propyl Benzene	2.23	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
sec-Butylbenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Styrene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
tert-Butylbenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Tetrachloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Trichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Trichlorofluoromethane	ND	0.01	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,1-Trichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1,2-Trichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,3-Trichloropropane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Vinyl chloride	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2,4-Trimethylbenzene	1.21	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Dibromomethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2-Dichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,3-Dichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,4-Dichlorobenzene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Dichlorodifluoromethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,1-Dichloroethene	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
1,2-Dichloroethane	ND	0.005	mg/L	1	1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Surrogate: Dibromofluoromethane		57.3 %	75-125		1313005	25-Mar-13	25-Mar-13	EPA 8260B	S-02
Surrogate: 1,2-Dichloroethane-d4		108 %	75-125		1313005	25-Mar-13	25-Mar-13	EPA 8260B	
Surrogate: Toluene-d8		1990 %	75-125		1313005	25-Mar-13	25-Mar-13	EPA 8260B	S-02
Surrogate: 4-Bromofluorobenzene		2630 %	75-125		1313005	25-Mar-13	25-Mar-13	EPA 8260B	S-02

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Volatile Organic Compounds by 8260 - 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 1313005 - Purge and Trap EPA 5030A

Blank (1313005-BLK1)

Prepared & Analyzed: 25-Mar-13

Benzene	ND	0.005	mg/L
Toluene	ND	0.005	"
Ethylbenzene	ND	0.005	"
p,m-Xylene	ND	0.005	"
o-Xylene	ND	0.005	"
Total Xylenes	ND	0.005	"
Methyl tert-Butyl Ether	ND	0.005	"
1,3,5-Trimethylbenzene	ND	0.005	"
1,2-Dibromomethane	ND	0.005	"
Naphthalene	ND	0.005	"
1-Methylnaphthalene	ND	0.005	"
2-Methylnaphthalene	ND	0.005	"
Bromobenzene	ND	0.005	"
Bromochloromethane	ND	0.005	"
Bromodichloromethane	ND	0.005	"
Bromoform	ND	0.005	"
Bromomethane	ND	0.005	"
Carbon Tetrachloride	ND	0.005	"
Chlorobenzene	ND	0.005	"
Chloroethane	ND	0.005	"
2-Chlorotoluene	ND	0.005	"
Chloroform	ND	0.01	"
4-Chlorotoluene	ND	0.005	"
Chloromethane	ND	0.005	"
cis-1,2-Dichloroethene	ND	0.005	"
cis-1,3-Dichloropropene	ND	0.005	"
1,2-Dibromo-3-chloropropane	ND	0.005	"
Dibromochloromethane	ND	0.005	"
1,1-Dichloroethane	ND	0.005	"
1,2-Dichloropropane	ND	0.005	"
1,3-Dichloropropane	ND	0.005	"
2,2-Dichloropropane	ND	0.005	"
1,1-Dichloropropene	ND	0.005	"
Hexachlorobutadiene	ND	0.005	"
Isopropylbenzene	ND	0.005	"
4-Isopropyltoluene	ND	0.005	"
Methylene Chloride	ND	0.05	"

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PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Volatile Organic Compounds by 8260 - 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 1313005 - Purge and Trap EPA 5030A

Blank (1313005-BLK1)

Prepared & Analyzed: 25-Mar-13

n-Butyl Benzene	ND	0.005	mg/L							
n-Propyl Benzene	ND	0.005	"							
sec-Butylbenzene	ND	0.005	"							
Styrene	ND	0.005	"							
tert-Butylbenzene	ND	0.005	"							
Tetrachloroethene	ND	0.005	"							
1,1,1,2-Tetrachloroethane	ND	0.005	"							
1,1,2,2-Tetrachloroethane	ND	0.005	"							
trans-1,2-Dichloroethene	ND	0.005	"							
trans-1,3-Dichloropropene	ND	0.005	"							
Trichloroethene	ND	0.005	"							
Trichlorofluoromethane	ND	0.01	"							
1,2,3-Trichlorobenzene	ND	0.005	"							
1,2,4-Trichlorobenzene	ND	0.005	"							
1,1,1-Trichloroethane	ND	0.005	"							
1,1,2-Trichloroethane	ND	0.005	"							
1,2,3-Trichloropropane	ND	0.005	"							
Vinyl chloride	ND	0.005	"							
1,2,4-Trimethylbenzene	ND	0.005	"							
Dibromomethane	ND	0.005	"							
1,2-Dichlorobenzene	ND	0.005	"							
1,3-Dichlorobenzene	ND	0.005	"							
1,4-Dichlorobenzene	ND	0.005	"							
Dichlorodifluoromethane	ND	0.005	"							
1,1-Dichloroethene	ND	0.005	"							
1,2-Dichloroethane	ND	0.005	"							
Surrogate: Dibromofluoromethane	95.4		ug/L	100		95.4	75-125			
Surrogate: 1,2-Dichloroethane-d4	80.8		"	100		80.8	75-125			
Surrogate: Toluene-d8	87.0		"	100		87.0	75-125			
Surrogate: 4-Bromofluorobenzene	96.7		"	100		96.7	75-125			

Matrix Spike (1313005-MS1)

Source: P303079-01

Prepared & Analyzed: 25-Mar-13

Benzene	1090		ug/L	100	3960	NR	75-125			SPK1
Toluene	9690		"	100	11200	NR	75-125			SPK1
Chlorobenzene	95.9		"	100	ND	95.9	75-125			
Trichloroethene	69.7		"	100	ND	69.7	75-125			SPK1
Surrogate: Dibromofluoromethane	58.9		"	100		58.9	75-125			S-02

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PO Box 2200
Bartlesville OK, 74005

Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Volatile Organic Compounds by 8260 - 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 1313005 - Purge and Trap EPA 5030A

Matrix Spike (1313005-MS1)		Source: P303079-01		Prepared & Analyzed: 25-Mar-13						
Surrogate: 1,2-Dichloroethane-d4	56.5		ug/L	100		56.5	75-125			S-02
Surrogate: Toluene-d8	87.2		"	100		87.2	75-125			
Surrogate: 4-Bromofluorobenzene	2230		"	100		NR	75-125			S-02
Matrix Spike Dup (1313005-MSD1)		Source: P303079-01		Prepared & Analyzed: 25-Mar-13						
Benzene	1230		ug/L	100	3960	NR	75-125	12.4	30	SPK1
Toluene	12000		"	100	11200	782	75-125	21.3	30	SPK1
Chlorobenzene	96.8		"	100	ND	96.8	75-125	0.996	30	
Trichloroethene	63.6		"	100	ND	63.6	75-125	9.27	30	SPK1
Surrogate: Dibromofluoromethane	55.4		"	100		55.4	75-125			S-02
Surrogate: 1,2-Dichloroethane-d4	54.8		"	100		54.8	75-125			S-02
Surrogate: Toluene-d8	1060		"	100		NR	75-125			S-02
Surrogate: 4-Bromofluorobenzene	2580		"	100		NR	75-125			S-02

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Project Name: Spill Assessment/ State Com J #6
Project Number: 96052-2315
Project Manager: Kory Peine

Reported:
25-Mar-13 14:36

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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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