



30-039-23871

Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15513

Samples Received: 5/9/2013 3:05:00PM

Job Number: 96052-1706

Work Order: P305029

Project Name/Location: Harrington #6

OIL CONS. DIV DIST. 3
MAY 14 2014

Entire Report Reviewed By:

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

Date: 5/10/13

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: Harrington #6
Project Number: 96052-1706
Project Manager: Kurtis Shaw

Reported:
10-May-13 15:32

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Harrington #6	P305029-01A	Aqueous	05/09/13	05/09/13	Poly 500mL

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Bartlesville OK, 74005

Project Name: Harrington #6
Project Number: 96052-1706
Project Manager: Kurtis Shaw

Reported:
10-May-13 15:32

Harrington #6
P305029-01 (Water)

Analyte	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units						
Cation/Anion Analysis									
pH	10.7		pH Units	1	1319025	09-May-13	09-May-13	EPA 150.1	
Electrical Conductivity	1950		umhos/cm	1	1319025	09-May-13	09-May-13	EPA 120.1	
Total Dissolved Solids	1180		mg/L	1	1319028	09-May-13	09-May-13	EPA 160.1	
Sodium Absorption Ratio	96.5		N/A	1	1319032	10-May-13	10-May-13	[CALC]	
Total Alkalinity as CaCO3	265	10.0	mg/L	1	1319027	09-May-13	09-May-13	Hach Method 8203	
Total Hardness as CaCO3	2.57	0.07	mg/L	1	[CALC]	10-May-13	10-May-13	[CALC]	
Bicarbonate as CaCO3	ND	10.0	mg/L	1	1319027	09-May-13	09-May-13	Hach Method 8203	
Carbonate as CaCO3	170	10.0	mg/L	1	1319027	09-May-13	09-May-13	Hach Method 8203	
Hydroxide as CaCO3	95.0	10.0	mg/L	1	1319027	09-May-13	09-May-13	Hach Method 8203	
Nitrate-N	ND	1.00	mg/L	1	1319023	09-May-13	09-May-13	EPA 300.0	
Nitrite-N	ND	1.00	mg/L	1	1319023	09-May-13	09-May-13	EPA 300.0	
Chloride	6.23	1.00	mg/L	1	1319023	09-May-13	09-May-13	EPA 300.0	
Fluoride	2.21	1.00	mg/L	1	1319023	09-May-13	09-May-13	EPA 300.0	
o-Phosphate	ND	1.00	mg/L	1	1319023	09-May-13	09-May-13	EPA 300.0	
Sulfate	554	1.00	mg/L	1	1319023	09-May-13	09-May-13	EPA 300.0	E
Iron	0.20	0.01	mg/L	1	1319029	10-May-13	10-May-13	EPA 6010C	
Calcium	0.90	0.01	mg/L	1	1319029	10-May-13	10-May-13	EPA 6010C	
Magnesium	0.08	0.01	mg/L	1	1319029	10-May-13	10-May-13	EPA 6010C	
Potassium	1.43	0.01	mg/L	1	1319029	10-May-13	10-May-13	EPA 6010C	
Sodium	356	0.01	mg/L	1	1319029	10-May-13	10-May-13	EPA 6010C	

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ConocoPhillips
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Bartlesville OK, 74005

Project Name: Harrington #6
Project Number: 96052-1706
Project Manager: Kurtis Shaw

Reported:
10-May-13 15:32

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 1319023 - Anion Extraction EPA 300.0

Blank (1319023-BLK1)

Prepared & Analyzed: 09-May-13

Nitrate-N	ND	1.00	mg/L
Nitrite-N	ND	1.00	"
Chloride	ND	1.00	"
Fluoride	ND	1.00	"
o-Phosphate	ND	1.00	"
Sulfate	ND	1.00	"

Duplicate (1319023-DUP1)

Source: P305027-01

Prepared & Analyzed: 09-May-13

Nitrate-N	ND	1.00	mg/L	ND			30
Nitrite-N	ND	1.00	"	ND			30
Chloride	5.56	1.00	"	5.54		0.342	30
Fluoride	ND	1.00	"	ND			30
o-Phosphate	ND	1.00	"	ND			30
Sulfate	55.5	1.00	"	55.4		0.150	30

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Notes and Definitions

E Analyte was present at a concentration greater than the calibration curve upper limit.

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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CHAIN OF CUSTODY RECORD

15513

Page 6 of 6

Client: <i>Conoco Phillips</i>			Project Name / Location: <i>Harrington #6</i>			ANALYSIS / PARAMETERS													
Email results to: <i>Kurtis.W.Shaw@COP.com</i>			Sampler Name: <i>Mitch Clarence</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: <i>386-8625</i>			Client No.: <i>96052-1706</i>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO ₃	HCl													
<i>Harrington #6</i>	<i>5-9-13</i>	<i>10:30A</i>	<i>P305029-01</i>	<i>1</i>														<i>Y</i>	<i>Y</i>
Relinquished by: (Signature) <i>[Signature]</i>					Date <i>5-9-13</i>	Time <i>3:05</i>	Received by: (Signature) <i>[Signature]</i>										Date <i>5/9/13</i>	Time <i>1505</i>	
Relinquished by: (Signature)							Received by: (Signature)												
Sample Matrix Soil ☐ Solid ☐ Sludge ☐ Aqueous ☒ Other ☐																			
☐ Sample(s) dropped off after hours to secure drop off area. <i>RUSK AMO 2285103</i> <i>KGARCIA</i>																			