

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BP America Production Company	Contact: Courtney Cochran
Address: 200 Energy Ct. Farmington, NM 87401	Telephone No.: 505-326-9457
Facility Name: Riddle D LS 4	Facility Type: Natural Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No.: 3004510604
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LOCATION OF RELEASE

Unit Letter A	Section 22	Township 31N	Range 09W	Feet from the 990	North/South Line North	Feet from the 990	East/West Line East	County: San Juan
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Latitude 36.88807 Longitude 107.76218

NATURE OF RELEASE

Type of Release: Unknown – possible paraffin type material	Volume of Release: Unknown-historical in nature	Volume Recovered: none
Source of Release: BGT	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 4/30/2014
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	

OIL CONS. DIV DIST. 3

MAY 15 2014

If a Watercourse was Impacted, Describe Fully.*

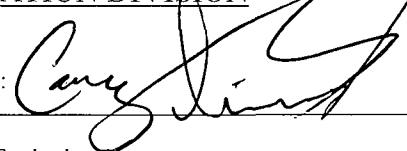
Describe Cause of Problem and Remedial Action Taken.*

During the replacement of a 95 bbl BGT impacted soil was discovered below BGT. Impacts were historical in nature and most likely caused by overflow events through holes cut into the BGT for dump lines. The release volume was low. The release material appeared to be a paraffin type material. Samples were obtained and laboratory analysis returned results high in DRO. The closure standard for the location is 5000 TPH.

Describe Area Affected and Cleanup Action Taken.*

Approximately 40 cubic yards of impacted soil was removed and hauled to IEI landfarm. Samples were again obtained and laboratory analysis returned results below the 5000 TPH standard. Copies of both initial and final laboratory results are included with this report. A double/double 95 bbl BGT was put back into the same hole.

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: Courtney Cochran	Approved by Environmental Specialist: 	
Title: Environmental Advisor	Approval Date: 5/15/14	Expiration Date:
E-mail Address: Courtney.Cochran@bp.com	Conditions of Approval:	Attached ☐
Date: 5/14/2014 Phone: 505-326-9457		

* Attach Additional Sheets If Necessary

#NCS 1413554601



Analytical Report

Report Summary

Client: BP America Production Co.
Chain Of Custody Number: 16948
Samples Received: 4/30/2014 3:12:00PM
Job Number: 03143-0424
Work Order: P404123
Project Name/Location: Riddle D LS 4

OIL CONS. DIV DIST. 3

MAY 14 2014

Entire Report Reviewed By: Draft Date: 5/1/14
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.



BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
01-May-14 15:31

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Stain @ TB	P404123-01A	Soil	04/30/14	04/30/14	Glass Jar, 4 oz.
TB-1'	P404123-02A	Soil	04/30/14	04/30/14	Glass Jar, 4 oz.
TB-4'	P404123-03A	Soil	04/30/14	04/30/14	Glass Jar, 4 oz.

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

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laboratory@envirotech-inc.com



BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Riddle D LS 4 Project Number: 03143-0424 Project Manager: Jeff Blagg	Reported: 01-May-14 15:31
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DRAFT: Stain @ TB
P404123-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
DRAFT: Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8021B	
Surrogate: Bromochlorobenzene		101 %		80-120		1418017	04/30/14	05/01/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.5 %		80-120		1418017	04/30/14	05/01/14	EPA 8021B	
DRAFT: Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	2		1418017	04/30/14	05/01/14	EPA 8015D	
Diesel Range Organics (C10-C28)	11500	29.9	mg/kg	1		1418018	04/30/14	05/01/14	EPA 8015D	
DRAFT: Cation/Anion Analysis										
Chloride	ND	9.93	mg/kg	1		1418032	05/01/14	05/01/14	EPA 300.0	

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
01-May-14 15:31

DRAFT: TB-1'
P404123-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DRAFT: Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8021B	
Surrogate: Bromochlorobenzene		111 %		80-120	1418017	04/30/14	05/01/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %		80-120	1418017	04/30/14	05/01/14	EPA 8021B	
DRAFT: Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1418017	04/30/14	05/01/14	EPA 8015D	
Diesel Range Organics (C10-C28)	4490	30.0	mg/kg	1	1418018	04/30/14	05/01/14	EPA 8015D	
DRAFT: Cation/Anion Analysis									
Chloride	ND	9.97	mg/kg	1	1418032	05/01/14	05/01/14	EPA 300.0	

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
01-May-14 15:31

DRAFT: TB-4'
P404123-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
DRAFT: Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		95.7 %	80-120			1418017	04/30/14	05/01/14	EPA 8021B	
Surrogate: Bromochlorobenzene		99.9 %	80-120			1418017	04/30/14	05/01/14	EPA 8021B	
DRAFT: Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1		1418017	04/30/14	05/01/14	EPA 8015D	
Diesel Range Organics (C10-C28)	844	30.0	mg/kg	1		1418018	04/30/14	05/01/14	EPA 8015D	
DRAFT: Cation/Anion Analysis										
Chloride	ND	9.99	mg/kg	1		1418032	05/01/14	05/01/14	EPA 300.0	

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
01-May-14 15:31

DRAFT: 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 1418017 - Purge and Trap EPA 5030A

Blank (1418017-BLK1)

Prepared: 30-Apr-14 Analyzed: 01-May-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	49.4		ug/L	50.0		98.7	80-120			
Surrogate: Bromochlorobenzene	51.2		"	50.0		102	80-120			

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
01-May-14 15:31

DRAFT: 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 1418017 - Purge and Trap EPA 5030A

Blank (1418017-BLK1)

Prepared: 30-Apr-14 Analyzed: 01-May-14

Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg
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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
01-May-14 15:31

DRAFT: 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 1418018 - DRO Extraction EPA 3550C

Blank (1418018-BLK1)

Prepared: 30-Apr-14 Analyzed: 01-May-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

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BP America Production Co.
 PO Box 22024
 Tulsa OK, 74121-2024

 Project Name: Riddle D LS 4
 Project Number: 03143-0424
 Project Manager: Jeff Blagg

 Reported:
 01-May-14 15:31

DRAFT: 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 1418032 - Anion Extraction EPA 300.0										
Blank (1418032-BLK1)				Prepared & Analyzed: 01-May-14						
Chloride	ND	9.98	mg/kg							
LCS (1418032-BS1)				Prepared & Analyzed: 01-May-14						
Chloride	482	9.87	mg/kg	493		97.7	90-110			
Matrix Spike (1418032-MS1)				Source: P404123-01 Prepared & Analyzed: 01-May-14						
Chloride	502	9.91	mg/kg	496	ND	101	80-120			
Matrix Spike Dup (1418032-MSD1)				Source: P404123-01 Prepared & Analyzed: 01-May-14						
Chloride	502	9.94	mg/kg	497	ND	101	80-120	0.0426	20	

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
01-May-14 15:31

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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laboratory@envirotech-inc.com



OIL CONS. DIV DIST. 3
MAY 14 2014

Analytical Report

Report Summary

Client: BP America Production Co.
Chain Of Custody Number: 16950
Samples Received: 5/2/2014 2:02:00PM
Job Number: 03143-0424
Work Order: P405006
Project Name/Location: Riddle D LS 4

Entire Report Reviewed By:

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

Date: 5/5/14

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.



BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
05-May-14 16:59

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Base 3-pt @ 12'	P405006-01A	Soil	05/02/14	05/02/14	Glass Jar, 4 oz.
Sidewall 4-pt @ 8'-11'	P405006-02A	Soil	05/02/14	05/02/14	Glass Jar, 4 oz.

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BP America Production Co.
 PO Box 22024
 Tulsa OK, 74121-2024

 Project Name: Riddle D LS 4
 Project Number: 03143-0424
 Project Manager: Jeff Blagg

 Reported:
 05-May-14 16:59

Base 3-pt @ 12'
P405006-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.1 %		80-120		1418048	05/05/14	05/05/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		94.3 %		80-120		1418048	05/05/14	05/05/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8015D	
Diesel Range Organics (C10-C28)	78.2	30.0	mg/kg	1		1418047	05/05/14	05/05/14	EPA 8015D	
Cation/Anion Analysis										
Chloride	ND	9.82	mg/kg	1		1419002	05/05/14	05/05/14	EPA 300.0	

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BP America Production Co.	Project Name:	Riddle D LS 4	Reported: 05-May-14 16:59
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	

Sidewall 4-pt @ 8'-11'
P405006-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120		1418048	05/05/14	05/05/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		97.3 %		80-120		1418048	05/05/14	05/05/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1418048	05/05/14	05/05/14	EPA 8015D	
Diesel Range Organics (C10-C28)	114	30.0	mg/kg	1		1418047	05/05/14	05/05/14	EPA 8015D	
Cation/Anion Analysis										
Chloride	ND	9.94	mg/kg	1		1419002	05/05/14	05/05/14	EPA 300.0	

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
05-May-14 16:59

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 1418048 - Purge and Trap EPA 5030A

Blank (1418048-BLK1)		Prepared: 02-May-14 Analyzed: 05-May-14								
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	49.0		ug/L	50.0		98.0	80-120			
Surrogate: Bromochlorobenzene	49.4		"	50.0		98.8	80-120			

Duplicate (1418048-DUP1)		Source: P405003-01		Prepared: 02-May-14 Analyzed: 05-May-14						
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	0.09	0.05	"		0.10			12.6	30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	49.5		ug/L	50.0		99.0	80-120			
Surrogate: Bromochlorobenzene	51.5		"	50.0		103	80-120			

Matrix Spike (1418048-MS1)		Source: P405003-01		Prepared: 02-May-14 Analyzed: 05-May-14						
Benzene	45.6		ug/L	50.0	ND	91.3	39-150			
Toluene	50.8		"	50.0	ND	102	46-148			
Ethylbenzene	47.0		"	50.0	ND	94.1	32-160			
p,m-Xylene	105		"	100	1.95	103	46-148			
o-Xylene	51.5		"	50.0	ND	103	46-148			
Surrogate: 1,3-Dichlorobenzene	48.2		"	50.0		96.5	80-120			
Surrogate: Bromochlorobenzene	51.7		"	50.0		103	80-120			

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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 Fr (800) 362-1879

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

BP America Production Co.
 PO Box 22024
 Tulsa OK, 74121-2024

 Project Name: Riddle D LS 4
 Project Number: 03143-0424
 Project Manager: Jeff Blagg

Reported:
 05-May-14 16:59

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1418047 - DRO Extraction EPA 3550C									
Blank (1418047-BLK1)					Prepared: 02-May-14 Analyzed: 05-May-14				
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg						
Duplicate (1418047-DUP1)					Source: P405003-01 Prepared: 02-May-14 Analyzed: 05-May-14				
Diesel Range Organics (C10-C28)	413	30.0	mg/kg		403		2.49	30	
Matrix Spike (1418047-MS1)					Source: P405003-01 Prepared: 02-May-14 Analyzed: 05-May-14				
Diesel Range Organics (C10-C28)	486		mg/L	250	383	41.0	75-125		SPK1

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BP America Production Co.	Project Name:	Riddle D LS 4	
PO Box 22024	Project Number:	03143-0424	Reported:
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-May-14 16:59

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 1418048 - Purge and Trap EPA 5030A										
Blank (1418048-BLK1)				Prepared: 02-May-14 Analyzed: 05-May-14						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1418048-DUP1)				Source: P405003-01 Prepared: 02-May-14 Analyzed: 05-May-14						
Gasoline Range Organics (C6-C10)	8.92	4.98	mg/kg		9.75			8.82	30	
Matrix Spike (1418048-MS1)				Source: P405003-01 Prepared: 02-May-14 Analyzed: 05-May-14						
Gasoline Range Organics (C6-C10)	0.60		mg/L	0.450	0.19	89.6	75-125			

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BP America Production Co.	Project Name:	Riddle D LS 4	Reported: 05-May-14 16:59
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1419002 - Anion Extraction EPA 300.0									
Blank (1419002-BLK1)				Prepared & Analyzed: 05-May-14					
Chloride	ND	9.88	mg/kg						
LCS (1419002-BS1)				Prepared & Analyzed: 05-May-14					
Chloride	494	9.88	mg/kg	494		99.9	90-110		
Matrix Spike (1419002-MS1)				Source: P405006-01 Prepared & Analyzed: 05-May-14					
Chloride	499	9.83	mg/kg	491	ND	102	80-120		
Matrix Spike Dup (1419002-MSD1)				Source: P405006-01 Prepared & Analyzed: 05-May-14					
Chloride	505	9.95	mg/kg	498	ND	101	80-120	1.11	20

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Riddle D LS 4
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
05-May-14 16:59

Notes and Definitions

SPK I 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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