

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

DEC 23 2014

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	Contact: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: A. L. Elliott D 2A	Facility Type: Natural gas well
Surface Owner: Federal	Mineral Owner: Federal
API No. 3004522337	

LOCATION OF RELEASE

Unit Letter J	Section 11	Township 29N	Range 9W	Feet from the 1,800	North/South Line South	Feet from the 1,500	East/West Line East	County: San Juan
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Latitude 36.73696 Longitude 107.74421

NATURE OF RELEASE

Type of Release: condensate/oil	Volume of Release: unknown	Volume Recovered: none
Source of Release: below grade tank - 95 bbl	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 3/27/2012; 11:38 AM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Soil beneath the BGT showed evidence of impacts during removal. Soil analysis resulted in BTEX and chloride below standards, but TPH exceeded the standard. Analysis results are attached. Impacted soil was excavated.

Describe Area Affected and Cleanup Action Taken.* Soils beneath the BGT were sampled and impacts were found from immediately below the BGT to a depth of 15-16.5 feet. Impacted soil was removed to 16-20 feet, but due to the sandy soil the excavation was caving in at that depth and additional digging and sampling was not feasible. A vent pipe consisting of 2 inch PVC with a screen interval from 10-20 feet was installed in the center of the excavation to remove residual hydrocarbons. Approximately 60 cubic yards of impacted soil were taken to the landfarm for treatment. Additional borehole drilling in 2014 found impacts limited to 20 ft depth and 12 feet from the center of the previous excavation. Impacted soil was excavated until soil samples remaining were below 100 ppm TPH. Approximately 187 cubic yards were taken to the landfarm for treatment and the excavation was backfilled with clean soil. Sample data, borehole diagrams, and a site map are attached.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Jeff Peace</i>	OIL CONSERVATION DIVISION	
Printed Name: Jeff Peace	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 1/13/15	Expiration Date: <i>[Signature]</i>
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached ☐
Date: December 22, 2014	Phone: 505-326-9479	

* Attach Additional Sheets If Necessary

#NCS 1501353729

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BP America: A.L. Elliott D 2A
(J) Sec 11 – T29N – R9W
API: 30-045-22337
San Juan County, New Mexico

Summary Record of Impact Remediation

March 27, 2012 Soil impacts encountered during closure of 95 barrel BGT. Initial investigation at the 95 BGT site indicated impacts were local to the BGT only. Backhoe could only extend investigation to 12' below grade, where impacts were still encountered. Evaluation of site ranking criteria indicated a closure standard of 100 ppm TPH.

April 2, 2012 Investigation of impacts conducted with trackhoe. Impacts at BGT release site removed to a depth of approximately 12' below grade. Investigation could not be advanced deeper than 15' due to collapsing soils. Hole backfilled to allow drilling.

October 4, 2012 Hollow stem auger environmental sampling rig used to drill boring in center of release location. Remaining hydrocarbon impacts exceeding closure standards found to exist between 14' – 18' below grade. Passive SVE system installed with 2-inch slotted PVC between 10' – 20' to augment natural attenuation.

October 2, 2014 GeoProbe used to investigate residual impacts. Four test borings advanced to identify vertical and areal extent of hydrocarbons exceeding site closure standard. Impacts established to be limited to 16 feet radius from release center, with no impacts above standards tested deeper than 20' from ground surface.

December 8, 2014 Move equipment on-site and initiate remediation of impacts by excavation.

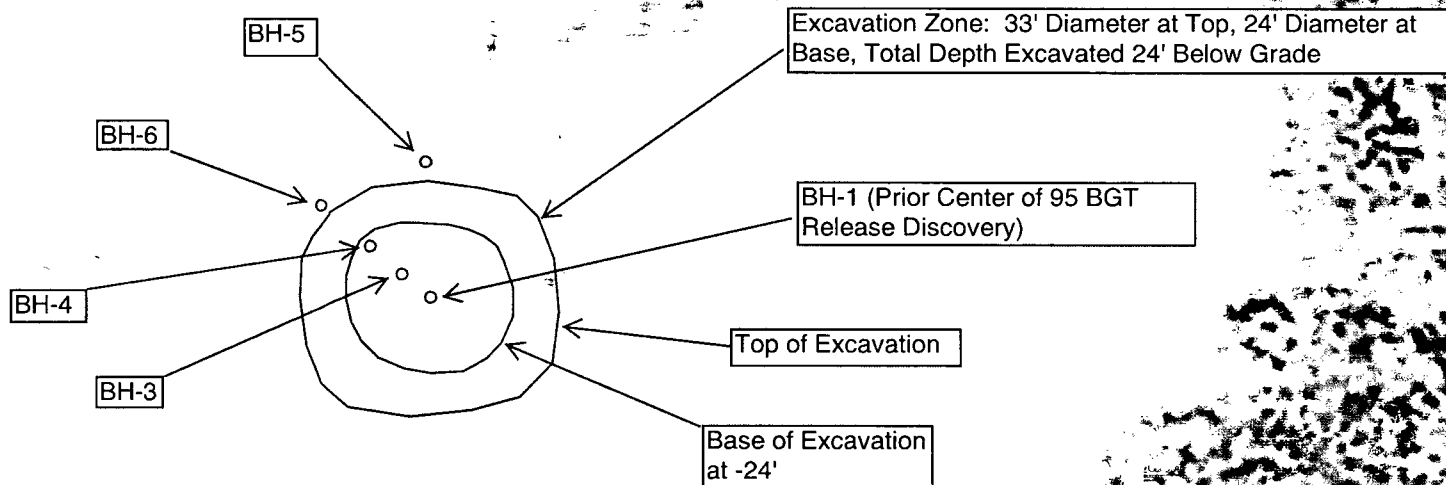
December 10, 2014 Excavation size approximately 28' Diameter x 20' deep. Collect composite sample of 1' thick dark brown band of soils at 15' depth per NMOCD request. Field OVM = 0.0, Lab TPH = 0.0 ppm.

December 11, 2014 Excavation size approximately 33' Diameter (at top), 24' Diameter (at base) x 24' deep. Sample composite sidewalls at 20' depth and composite base at 24' depth. Field OVM = 0.0 on both samples, Lab TPH = 0.0 ppm on both samples.

December 17, 2014 Complete backfilling operation. Total soil volume transported to Envirotech Landfarm = 187 cubic yards.

BP America Production Company
A.L. Elliott D 2A

A.L. Elliott D 2A





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

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:09

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Excavation 4-pt Sidewall @ -15'	P412027-01A	Soil	12/10/14	12/10/14	Glass Jar, 4 oz.

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: A-L-Elliott D 2A Project Number: 03143-0424 Project Manager: Jeff Blagg	Reported: 12-Dec-14 13:09
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Excavation 4-pt Sidewall @ -15'
P412027-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		106 %		50-150	1450010	12/10/14	12/11/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1450010	12/10/14	12/11/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	39.9	mg/kg	2	1450011	12/10/14	12/11/14	EPA 8015D	
Surrogate: o-Terphenyl		127 %		50-200	1450011	12/10/14	12/11/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		95.9 %		50-150	1450010	12/10/14	12/11/14	EPA 8015D	
Cation/Anion Analysis									
Chloride	ND	9.94	mg/kg	1	1450018	12/11/14	12/11/14	EPA 300.0	

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

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:09

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 1450010 - Purge and Trap EPA 5030A

Blank (1450010-BLK1)

Prepared: 09-Dec-14 Analyzed: 10-Dec-14

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							

Surrogate: 4-Bromochlorobenzene-PID 0.415 " 0.400 104 50-150

LCS (1450010-BS1)

Prepared: 09-Dec-14 Analyzed: 10-Dec-14

Benzene	20.3	0.10	mg/kg	20.0		101	75-125			
Toluene	20.7	0.10	"	20.0		103	70-125			
Ethylbenzene	20.8	0.10	"	20.0		104	75-125			
p,m-Xylene	42.2	0.20	"	40.0		106	80-125			
o-Xylene	20.9	0.10	"	20.0		104	75-125			

Surrogate: 4-Bromochlorobenzene-PID 0.420 " 0.400 105 50-150

Matrix Spike (1450010-MS1)

Source: P412021-01

Prepared: 09-Dec-14 Analyzed: 10-Dec-14

Benzene	18.3	0.10	mg/kg	20.0	ND	91.4	75-125			
Toluene	18.4	0.10	"	20.0	ND	92.3	70-125			
Ethylbenzene	18.8	0.10	"	20.0	ND	94.3	75-125			
p,m-Xylene	38.3	0.20	"	39.9	ND	96.0	80-125			
o-Xylene	19.0	0.10	"	20.0	ND	95.1	75-125			

Surrogate: 4-Bromochlorobenzene-PID 0.426 " 0.399 107 50-150

Matrix Spike Dup (1450010-MSD1)

Source: P412021-01

Prepared: 09-Dec-14 Analyzed: 10-Dec-14

Benzene	19.8	0.10	mg/kg	20.0	ND	99.0	75-125	8.12	15	
Toluene	20.0	0.10	"	20.0	ND	99.9	70-125	8.02	15	
Ethylbenzene	20.3	0.10	"	20.0	ND	101	75-125	7.39	15	
p,m-Xylene	41.3	0.20	"	40.0	ND	103	80-125	7.38	15	
o-Xylene	20.6	0.10	"	20.0	ND	103	75-125	8.02	15	

Surrogate: 4-Bromochlorobenzene-PID 0.435 " 0.400 109 50-150

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5796 US Highway 64, Farmington, NM 87401

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

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:09

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 1450010 - Purge and Trap EPA 5030A										
Blank (1450010-BLK1)				Prepared: 09-Dec-14 Analyzed: 10-Dec-14						
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.373		"	0.400		93.3	50-150			
LCS (1450010-BS1)				Prepared: 09-Dec-14 Analyzed: 10-Dec-14						
Gasoline Range Organics (C6-C10)	292	10.0	mg/kg	292		100	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.378		"	0.400		94.5	50-150			
Matrix Spike (1450010-MS1)				Source: P412021-01		Prepared: 09-Dec-14 Analyzed: 10-Dec-14				
Gasoline Range Organics (C6-C10)	267	9.98	mg/kg	292	ND	91.6	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.382		"	0.399		95.6	50-150			
Matrix Spike Dup (1450010-MSD1)				Source: P412021-01		Prepared: 09-Dec-14 Analyzed: 10-Dec-14				
Gasoline Range Organics (C6-C10)	289	9.99	mg/kg	292	ND	99.1	75-125	7.96	15	
Surrogate: 4-Bromochlorobenzene-FID	0.390		"	0.400		97.5	50-150			

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BP America Production Co.	Project Name:	A-L-Elliott D 2A	Reported: 12-Dec-14 13:09
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	

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 1450011 - DRO Extraction EPA 3550M										
Blank (1450011-BLK1)				Prepared: 09-Dec-14 Analyzed: 10-Dec-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	42.5		"	40.0		106	50-200			
LCS (1450011-BS1)				Prepared: 09-Dec-14 Analyzed: 10-Dec-14						
Diesel Range Organics (C10-C28)	462	25.0	mg/kg	499		92.7	38-132			
Surrogate: o-Terphenyl	42.6		"	39.9		107	50-200			
Matrix Spike (1450011-MS1)				Source: P412021-01		Prepared: 09-Dec-14 Analyzed: 10-Dec-14				
Diesel Range Organics (C10-C28)	509	30.0	mg/kg	500	ND	102	38-132			
Surrogate: o-Terphenyl	49.9		"	40.0		125	50-200			
Matrix Spike Dup (1450011-MSD1)				Source: P412021-01		Prepared: 09-Dec-14 Analyzed: 10-Dec-14				
Diesel Range Organics (C10-C28)	455	30.0	mg/kg	500	ND	91.1	38-132	11.3	20	
Surrogate: o-Terphenyl	43.0		"	40.0		108	50-200			

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

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:09

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 1450018 - Anion Extraction EPA 300.0										
Blank (1450018-BLK1)				Prepared & Analyzed: 11-Dec-14						
Chloride	ND	9.92	mg/kg							
LCS (1450018-BS1)				Prepared & Analyzed: 11-Dec-14						
Chloride	475	9.91	mg/kg	496		95.8	90-110			
Matrix Spike (1450018-MS1)				Source: P412033-01		Prepared & Analyzed: 11-Dec-14				
Chloride	496	9.87	mg/kg	494	14.9	97.5	80-120			
Matrix Spike Dup (1450018-MSD1)				Source: P412033-01		Prepared & Analyzed: 11-Dec-14				
Chloride	501	9.92	mg/kg	496	14.9	97.9	80-120	0.930	20	

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PO Box 22024
Tulsa OK, 74121-2024

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:03

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Base 3-pt @24'	P412033-01A	Soil	12/11/14	12/11/14	Glass Jar, 4 oz.
Sidewall 4-pt @20'	P412033-02A	Soil	12/11/14	12/11/14	Glass Jar, 4 oz.

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BP America Production Co.	Project Name:	A-L-Elliott D 2A	Reported: 12-Dec-14 13:03
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	

Base 3-pt @24'
P412033-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		103 %		50-150		1450019	12/11/14	12/11/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	9.97	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1		1450022	12/11/14	12/11/14	EPA 8015D	
Surrogate: o-Terphenyl		81.2 %		50-200		1450022	12/11/14	12/11/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		92.9 %		50-150		1450019	12/11/14	12/11/14	EPA 8015D	
Cation/Anion Analysis										
Chloride	14.9	9.98	mg/kg	1		1450018	12/11/14	12/11/14	EPA 300.0	

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PO Box 22024
Tulsa OK, 74121-2024

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:03

Sidewall 4-pt @20'
P412033-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		106 %		50-150		1450019	12/11/14	12/11/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1		1450019	12/11/14	12/11/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1		1450022	12/11/14	12/11/14	EPA 8015D	
Surrogate: o-Terphenyl		148 %		50-200		1450022	12/11/14	12/11/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		95.0 %		50-150		1450019	12/11/14	12/11/14	EPA 8015D	
Cation/Anion Analysis										
Chloride	10.4	9.92	mg/kg	1		1450018	12/11/14	12/11/14	EPA 300.0	

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Tulsa OK, 74121-2024

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:03

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 1450019 - Purge and Trap EPA 5030A

Blank (1450019-BLK1)

Prepared & Analyzed: 11-Dec-14

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							

Surrogate: 4-Bromochlorobenzene-PID 0.392 " 0.400 98.0 50-150

LCS (1450019-BS1)

Prepared & Analyzed: 11-Dec-14

Benzene	21.7	0.10	mg/kg	20.0		109	75-125			
Toluene	20.4	0.10	"	20.0		102	70-125			
Ethylbenzene	21.0	0.10	"	20.0		105	75-125			
p,m-Xylene	42.8	0.20	"	39.9		107	80-125			
o-Xylene	21.6	0.10	"	20.0		108	75-125			

Surrogate: 4-Bromochlorobenzene-PID 0.546 " 0.399 137 50-150

Matrix Spike (1450019-MS1)

Source: P412028-01

Prepared & Analyzed: 11-Dec-14

Benzene	18.6	0.10	mg/kg	19.9	ND	93.4	75-125			
Toluene	25.9	0.10	"	19.9	1.28	123	70-125			
Ethylbenzene	28.2	0.10	"	19.9	6.99	106	75-125			
p,m-Xylene	119	0.20	"	39.9	73.1	115	80-125			
o-Xylene	31.5	0.10	"	19.9	13.3	91.2	75-125			

Surrogate: 4-Bromochlorobenzene-PID 0.418 " 0.399 105 50-150

Matrix Spike Dup (1450019-MSD1)

Source: P412028-01

Prepared & Analyzed: 11-Dec-14

Benzene	20.1	0.10	mg/kg	20.0	ND	101	75-125	7.58	15	
Toluene	28.2	0.10	"	20.0	1.28	135	70-125	8.61	15	SPK1
Ethylbenzene	32.0	0.10	"	20.0	6.99	125	75-125	12.6	15	
p,m-Xylene	145	0.20	"	40.0	73.1	180	80-125	19.8	15	SPK1
o-Xylene	43.8	0.10	"	20.0	13.3	153	75-125	32.8	15	SPK1

Surrogate: 4-Bromochlorobenzene-PID 0.426 " 0.400 107 50-150

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

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:03

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 1450019 - Purge and Trap EPA 5030A										
Blank (1450019-BLK1)				Prepared & Analyzed: 11-Dec-14						
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.355		"	0.400		88.9	50-150			
LCS (1450019-BS1)				Prepared & Analyzed: 11-Dec-14						
Gasoline Range Organics (C6-C10)	315	9.98	mg/kg	292		108	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.508		"	0.399		127	50-150			
Matrix Spike (1450019-MS1)				Source: P412028-01		Prepared & Analyzed: 11-Dec-14				
Gasoline Range Organics (C6-C10)	1160	9.96	mg/kg	291	795	124	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.387		"	0.399		97.1	50-150			
Matrix Spike Dup (1450019-MSD1)				Source: P412028-01		Prepared & Analyzed: 11-Dec-14				
Gasoline Range Organics (C6-C10)	1220	9.99	mg/kg	292	795	145	75-125	5.18	15	SPK1
Surrogate: 4-Bromochlorobenzene-FID	0.373		"	0.400		93.4	50-150			

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Tulsa OK, 74121-2024

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:03

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 1450022 - DRO Extraction EPA 3550M										
Blank (1450022-BLK1)				Prepared & Analyzed: 11-Dec-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	41.1		"	40.0		103	50-200			
LCS (1450022-BS1)				Prepared & Analyzed: 11-Dec-14						
Diesel Range Organics (C10-C28)	627	25.0	mg/kg	499		126	38-132			
Surrogate: o-Terphenyl	50.2		"	39.9		126	50-200			
Matrix Spike (1450022-MS1)				Source: P412028-01		Prepared & Analyzed: 11-Dec-14				
Diesel Range Organics (C10-C28)	937	35.0	mg/kg	499	577	72.0	38-132			
Surrogate: o-Terphenyl	28.9		"	40.0		72.4	50-200			
Matrix Spike Dup (1450022-MSD1)				Source: P412028-01		Prepared & Analyzed: 11-Dec-14				
Diesel Range Organics (C10-C28)	1200	35.0	mg/kg	500	577	124	38-132	24.4	20	DI
Surrogate: o-Terphenyl	71.5		"	40.0		179	50-200			

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envirotech-inc.com

laboratory@envirotech-inc.com



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

Project Name: A-L-Elliott D 2A
Project Number: 03143-0424
Project Manager: Jeff Blagg

Reported:
12-Dec-14 13:03

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 1450018 - Anion Extraction EPA 300.0										
Blank (1450018-BLK1)				Prepared & Analyzed: 11-Dec-14						
Chloride	ND	9.92	mg/kg							
LCS (1450018-BS1)				Prepared & Analyzed: 11-Dec-14						
Chloride	475	9.91	mg/kg	496		95.8	90-110			
Matrix Spike (1450018-MS1)		Source: P412033-01		Prepared & Analyzed: 11-Dec-14						
Chloride	496	9.87	mg/kg	494	14.9	97.5	80-120			
Matrix Spike Dup (1450018-MSD1)		Source: P412033-01		Prepared & Analyzed: 11-Dec-14						
Chloride	501	9.92	mg/kg	496	14.9	97.9	80-120	0.930	20	

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CHAIN OF CUSTODY RECORD

17604

Client: BP America			Project Name / Location: A.L. ELLIOTT DZA			ANALYSIS / PARAMETERS															
Email results to: JEFF Peace Jeff Blegg Nelson Velaz			Sampler Name: J. Blegg			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.: 505-320-1183			Client No.: 03143-0424																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative																
					HNO ₃	HCl															
BASE 3-pt @ -24'	12/1/14	0754	P412033-01	1 x 402				X	X										X	✓	✓
SIDEWALL 4-pt @ -20'	"	0807	P412033-02	"				X	X										X	✓	✓
Relinquished by: (Signature) <i>Jeff Blegg</i>					Date 12/1/14	Time 0847	Received by: (Signature) <i>Gene Z...</i>										Date 12/1/14	Time 08:50			
Relinquished by: (Signature)							Received by: (Signature)														
Sample Matrix Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐																					
☐ Sample(s) dropped off after hours to secure drop off area. 4300374287: CO N15554290: AID																					



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BLAGG ENGINEERING, INC.

P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT: **BP AMERICA PRODUCTION CO.**
LOCATION NAME: **AL ELLIOTT D # 2A** UNIT J, SEC. 11, T29N, R9W
CONTRACTOR: **BLAGG ENGINEERING, INC. / KYVEK ENERGY SERVICES, INC.**
EQUIPMENT USED: **MOBILE DRILL RIG (CME 75) - HOLLOW STEM AUGER**
BORING LOCATION: **148.3 FEET, S50.25E FROM WELL HEAD.**

BORING #..... **BH - 1**
MW #..... **N/A**
PAGE #..... **1**
DATE STARTED **10/04/12**
DATE FINISHED **10/04/12**
OPERATOR..... **KP**
LOGGED BY..... **NJV**

DEPTH (FT.)	INTERVAL	LITHOLOGY INTERVAL	PIPING SCHEMATIC	SAMPLE INTERVAL	SAMPLE TIME	FIELD OVM (ppm)	BLOW COUNT PER 6" & RECOVERY	FIELD CLASSIFICATION AND REMARKS
								GROUND SURFACE
2								TOP OF CASING APPROXIMATELY AT GRADE.
4								
6								
8								DARK YELLOWISH ORANGE SAND TO SILTY SAND (FILL MATERIAL (CRUSHER FINES), NON COHESIVE, DRY TO SLIGHTLY MOIST, FIRM, NO APPARENT HYDROCARBON ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (0.0 - 14.0 FT. BELOW GRADE).
10								
12								
14								MEDIUM DARK GRAY SAND TO SILTY SAND, NON COHESIVE, SLIGHTLY MOIST TO MOIST, FIRM, APPARENT HYDROCARBON ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (14.0 - 18.0 FT. BELOW GRADE).
16				15.00 16.50	0830	79.3	1-1-1	TPH = 384 ppm; benzene = ND ppm; total BTEX = 1.2 ppm.
18								
20								
22				20.00 21.50	0838	0.0	2-3-2	SAME AS 0.0-14.0 FT. TPH = 40 ppm; benzene = ND ppm; total BTEX = ND ppm.
24								
26				25.00 26.50	0845	0.0	5-8-9	SAME AS ABOVE. TPH = 59 ppm; benzene = ND ppm; total BTEX = ND ppm.
28								
30								
32								
34								
36								
38								
40								

NOTES:

- SAND TO SILTY SAND.
- SAND TO SILTY SAND (IMPACTED).
- TOS - Top of screen of monitor well.
- TD - Total depth/bottom extent of monitor well.
- OVM - Organic vapor meter or photoionization detector (PID).
- ppm - parts per million or milligram per kilogram (mg/Kg).
- TPH - Total Petroleum Hydrocarbons per US EPA Method 8015B.
- BTEX - Benzene, toluene, ethylbenzene, total xylenes.
- ND - Not detected at the reporting limit (see laboratory reports).

ALL SAMPLES COLLECTED VIA SPLIT SPOON SAMPLER.

New Mexico Oil Conservation
Division closure standards for
the release location:

TPH = 100 ppm
Benzene = 10 ppm
Total BTEX = 50 ppm

OVM CALIBRATION:

52.5 ppm; RF = 0.52
(RF = response factor).
100 ppm calibration gas
- isobutylene.
Date - 10/04/12.
Time - 0855.

Vent piping consist of 2 inch PVC - casing from 5.00 ft. below grade to 10.00 ft. below grade, 0.020 slotted screen between 10.00 to 20.00 ft. below grade, sand packed annular to 8.0 ft. below grade, bentonite grout between 5.0 to 8.0 ft. below grade, cuttings to surface.

DRAWING: **AL ELLIOTT D 2A BH-1. SKF**

DATE: **02/28/14**

DWN BY: **NJV**

BLAGG ENGINEERING, INC.

Page 1 of 1

P.O. BOX 87, BLOOMFIELD, NM 87413

(505) 632-1199

5' NW OF BH-1

FIELD BORING LOG

BORING ID: BH-3PROJECT: BP A.L. ELLIOTT D 2ACLIENT: BP America Production Co.DRILLING CONTRACTOR: KyvekEQUIPMENT USED: GEO PROBEDATE START: 10/2/14 DATE FINISH: 10/2/14 DRILLER: KP LOGGED BY: JCBTOTAL DEPTH: CASING TYPE & SIZE: SLOT SIZE:

COMMENTS:

DEPTH FEET	SAMPLE TIME	SAMPLE TYPE	BLK COUNTS	FIELD DVM	SAMPLE DESCRIPTION
		PLASTIC SLEEVE			
4'	0853				Possible Crusher Fines BACKFILL
8'	0900			0.0	Slightly Moist Silty SAND, DARK TAN, NO ODOOR
10'					
12'	0905		DRO=200 ppm GRO=0.0	12.7	SAA
16'	0908		DRO=560 ppm GRO=58 ppm	4.4	SAA, WITH MINOR CLAY VOLUME
18'			DRO=580 ppm GRO=42 ppm	5.3	
20'	0914				COARSE SAND, BLACK from 18'-19', w/ODOR ^{MINOR}
24'	0917		DRO=82 ppm GRO=0.0	0.1	COARSE SAND, Reddish TAN
28'	0925			0.0	SAA
30'		TD 28'			

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P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

Page 1 of 1

10' NW OF BH-1

FIELD BORING LOG

BORING ID: BH-4

PROJECT: BP: A.L. ELLIOTT D 2A

CLIENT: BP America Production Co.

DRILLING CONTRACTOR: Kyvek

EQUIPMENT USED: GEO PROBE

DATE START: 10/2/14 DATE FINISH: 10/2/14 DRILLER: KP LOGGED BY: JCB

TOTAL DEPTH: 24' CASING TYPE & SIZE: — SLOT SIZE: —

COMMENTS:

DEPTH FEET	SAMPLE TIME	SAMPLE TYPE	BLOW COUNTS	FIELD DVM	SAMPLE DESCRIPTION
		PLASTIC SLEEVE			
4'	0955				COARSE SAND w/ Pebbles (CRUSHER FINES BACKFILL?)
8'	0958				NO RECOVERY
12'	1002		440		MOIST SILTY SAND. Dark Gray/Black 11'-12" WITH ODOOR.
16'	1007		5.9		SAA, Black to 14'±, Then Grades to COARSE SAND 14'-16'
20'	1013		0.5		COARSE SAND, Reddish TAN
24'	1022		0.0		COARSE SAND, TAN
		TD 24'			
30'					

BLAGG: N15514076
NO PO?

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Page 1 of 1

17' N of BH-1

FIELD BORING LOG

BORING ID: BH-5

PROJECT: BP: ALELLIOTT D 2A

CLIENT: BP America Production Co.

DRILLING CONTRACTOR: Kyvek

EQUIPMENT USED: GEOPROBE

DATE START: 10/2/2014 DATE FINISH: DRILLER: KP LOGGED BY: JCB

TOTAL DEPTH: CASING TYPE & SIZE: SLOT SIZE:

COMMENTS:

DEPTH FEET	SAMPLE TIME	SAMPLE TYPE	BLOW COUNTS	FIELD DVM	SAMPLE DESCRIPTION
		PLASTIC SLEEVE			
4'	1046				TAN Silty SAND
8'	1051			0.0	SAA
10'					
12'	1053			0.0	Medium Grained SAND, TAN
			DRO = 0.0 GRO = 0.0		
16'	1057			0.0	SAA, Reddish TAN (Medium to Coarse Grained)
20'	1101			0.0	SAA
24'	1106	TD 24'		0.0	SAA
30'					

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Page 1 of 1

16' NW OF BH-1

FIELD BORING LOG

BORING ID: BH-6

PROJECT: BP: ALEUOTT D 2A

CLIENT: BP America Production Co.

DRILLING CONTRACTOR: Kyvek

EQUIPMENT USED: GEO PROBE

DATE START: 10/2/14 DATE FINISH: 10/2/14 DRILLER: KP LOGGED BY: JCB

TOTAL DEPTH: CASING TYPE & SIZE: SLOT SIZE:

COMMENTS:

DEPTH FEET	SAMPLE TIME	SAMPLE TYPE	BLOW COUNTS	FIELD DVM	SAMPLE DESCRIPTION
		PLASTIC SLEEVE			
4'	1153			-	TAN SILTY SAND
8'	1156			0.0	TAN Medium Grained SAND
10'					
12'	1159			0.0	SAA
			DRO = 0.0 GRO = 0.0		
16'	1203			0.0	SAA
20'	1208			0.0	MEDIUM/COARSE TAN SAND
24'	1211			0.0	SAA
		TD 24'			
30'					

Analytical ReportLab Order **1410220**Date Reported: **10/10/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Blagg Engineering**Client Sample ID:** BH-3 @ 12'**Project:** A.L. Elliott D 2A**Collection Date:** 10/2/2014 9:05:00 AM**Lab ID:** 1410220-001**Matrix:** SOIL**Received Date:** 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	200	9.9		mg/Kg	1	10/8/2014 1:59:13 PM	15738
Surr: DNOP	109	57.9-140		%REC	1	10/8/2014 1:59:13 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/7/2014 3:38:21 PM	15731
Surr: BFB	108	80-120		%REC	1	10/7/2014 3:38:21 PM	15731
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/7/2014 3:38:21 PM	15731
Toluene	ND	0.048		mg/Kg	1	10/7/2014 3:38:21 PM	15731
Ethylbenzene	ND	0.048		mg/Kg	1	10/7/2014 3:38:21 PM	15731
Xylenes, Total	ND	0.097		mg/Kg	1	10/7/2014 3:38:21 PM	15731
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/7/2014 3:38:21 PM	15731

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410220**Date Reported: **10/10/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Blagg Engineering**Client Sample ID:** BH-3 @ 16'**Project:** A.L. Elliott D 2A**Collection Date:** 10/2/2014 9:08:00 AM**Lab ID:** 1410220-002**Matrix:** SOIL**Received Date:** 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	560	10		mg/Kg	1	10/8/2014 3:58:52 PM	15738
Surr: DNOP	114	57.9-140		%REC	1	10/8/2014 3:58:52 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	58	4.9		mg/Kg	1	10/7/2014 4:07:02 PM	15731
Surr: BFB	710	80-120	S	%REC	1	10/7/2014 4:07:02 PM	15731
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/7/2014 4:07:02 PM	15731
Toluene	ND	0.049		mg/Kg	1	10/7/2014 4:07:02 PM	15731
Ethylbenzene	ND	0.049		mg/Kg	1	10/7/2014 4:07:02 PM	15731
Xylenes, Total	0.15	0.098		mg/Kg	1	10/7/2014 4:07:02 PM	15731
Surr: 4-Bromofluorobenzene	123	80-120	S	%REC	1	10/7/2014 4:07:02 PM	15731

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1410220

Date Reported: 10/10/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Blagg Engineering**Client Sample ID:** BH-3 @ 18'**Project:** A.L. Elliott D 2A**Collection Date:** 10/2/2014 9:14:00 AM**Lab ID:** 1410220-003**Matrix:** SOIL**Received Date:** 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	580	10		mg/Kg	1	10/8/2014 4:28:57 PM	15738
Surr: DNOP	112	57.9-140		%REC	1	10/8/2014 4:28:57 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	42	4.7		mg/Kg	1	10/7/2014 4:35:42 PM	15731
Surr: BFB	603	80-120	S	%REC	1	10/7/2014 4:35:42 PM	15731
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/7/2014 4:35:42 PM	15731
Toluene	ND	0.047		mg/Kg	1	10/7/2014 4:35:42 PM	15731
Ethylbenzene	ND	0.047		mg/Kg	1	10/7/2014 4:35:42 PM	15731
Xylenes, Total	0.16	0.094		mg/Kg	1	10/7/2014 4:35:42 PM	15731
Surr: 4-Bromofluorobenzene	118	80-120		%REC	1	10/7/2014 4:35:42 PM	15731

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410220**Date Reported: **10/10/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Blagg Engineering**Client Sample ID:** BH-3 @ 24'**Project:** A.L. Elliott D 2A**Collection Date:** 10/2/2014 9:17:00 AM**Lab ID:** 1410220-004**Matrix:** SOIL**Received Date:** 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	82	9.9		mg/Kg	1	10/8/2014 4:59:09 PM	15738
Surr: DNOP	117	57.9-140		%REC	1	10/8/2014 4:59:09 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/7/2014 12:03:36 PM	15739
Surr: BFB	86.0	80-120		%REC	1	10/7/2014 12:03:36 PM	15739
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	10/7/2014 12:03:36 PM	15739
Toluene	ND	0.049		mg/Kg	1	10/7/2014 12:03:36 PM	15739
Ethylbenzene	ND	0.049		mg/Kg	1	10/7/2014 12:03:36 PM	15739
Xylenes, Total	ND	0.099		mg/Kg	1	10/7/2014 12:03:36 PM	15739
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	10/7/2014 12:03:36 PM	15739

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1410220

Date Reported: 10/10/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: BH-4: 2-point 12'-14'

Project: A.L. Elliott D 2A

Collection Date: 10/2/2014 10:02:00 AM

Lab ID: 1410220-005

Matrix: SOIL

Received Date: 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	510	9.9		mg/Kg	1	10/8/2014 5:58:33 PM	15738
Surr: DNOP	109	57.9-140		%REC	1	10/8/2014 5:58:33 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	610	23		mg/Kg	5	10/7/2014 12:33:49 PM	15739
Surr: BFB	559	80-120	S	%REC	5	10/7/2014 12:33:49 PM	15739
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.23		mg/Kg	5	10/7/2014 12:33:49 PM	15739
Toluene	ND	0.23		mg/Kg	5	10/7/2014 12:33:49 PM	15739
Ethylbenzene	ND	0.23		mg/Kg	5	10/7/2014 12:33:49 PM	15739
Xylenes, Total	37	0.47		mg/Kg	5	10/7/2014 12:33:49 PM	15739
Surr: 4-Bromofluorobenzene	158	80-120	S	%REC	5	10/7/2014 12:33:49 PM	15739

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1410220

Date Reported: 10/10/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Blagg Engineering**Client Sample ID:** BH-4 @ 16'**Project:** A.L. Elliott D 2A**Collection Date:** 10/2/2014 10:07:00 AM**Lab ID:** 1410220-006**Matrix:** SOIL**Received Date:** 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	98	10		mg/Kg	1	10/9/2014 9:23:21 AM	15738
Surr: DNOP	108	57.9-140		%REC	1	10/9/2014 9:23:21 AM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/8/2014 2:10:59 AM	15739
Surr: BFB	89.0	80-120		%REC	1	10/8/2014 2:10:59 AM	15739
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	10/7/2014 2:34:46 PM	15739
Toluene	ND	0.050		mg/Kg	1	10/7/2014 2:34:46 PM	15739
Ethylbenzene	ND	0.050		mg/Kg	1	10/7/2014 2:34:46 PM	15739
Xylenes, Total	ND	0.10		mg/Kg	1	10/7/2014 2:34:46 PM	15739
Surr: 4-Bromofluorobenzene	88.9	80-120		%REC	1	10/7/2014 2:34:46 PM	15739

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1410220**

Date Reported: 10/10/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Blagg Engineering**Client Sample ID:** BH-4 @ 20"**Project:** A.L. Elliott D 2A**Collection Date:** 10/2/2014 10:13:00 AM**Lab ID:** 1410220-007**Matrix:** SOIL**Received Date:** 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	31	10		mg/Kg	1	10/8/2014 7:28:19 PM	15738
Surr: DNOP	104	57.9-140		%REC	1	10/8/2014 7:28:19 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/7/2014 3:04:58 PM	15739
Surr: BFB	91.7	80-120		%REC	1	10/7/2014 3:04:58 PM	15739
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/7/2014 3:04:58 PM	15739
Toluene	ND	0.048		mg/Kg	1	10/7/2014 3:04:58 PM	15739
Ethylbenzene	ND	0.048		mg/Kg	1	10/7/2014 3:04:58 PM	15739
Xylenes, Total	ND	0.095		mg/Kg	1	10/7/2014 3:04:58 PM	15739
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	10/7/2014 3:04:58 PM	15739

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Analytical Report

Lab Order 1410220

Date Reported: 10/10/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: BH-5; 2-point 12'-16'

Project: A.L. Elliott D 2A

Collection Date: 10/2/2014 10:57:00 AM

Lab ID: 1410220-008

Matrix: SOIL

Received Date: 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/8/2014 7:58:17 PM	15738
Surr: DNOP	107	57.9-140		%REC	1	10/8/2014 7:58:17 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/8/2014 7:22:47 PM	15739
Surr: BFB	88.9	80-120		%REC	1	10/8/2014 7:22:47 PM	15739
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/7/2014 3:35:12 PM	15739
Toluene	ND	0.047		mg/Kg	1	10/7/2014 3:35:12 PM	15739
Ethylbenzene	ND	0.047		mg/Kg	1	10/7/2014 3:35:12 PM	15739
Xylenes, Total	ND	0.094		mg/Kg	1	10/7/2014 3:35:12 PM	15739
Surr: 4-Bromofluorobenzene	87.6	80-120		%REC	1	10/7/2014 3:35:12 PM	15739

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1410220

Date Reported: 10/10/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Blagg Engineering**Client Sample ID:** BH-6: 2-point 12'-16'**Project:** A.L. Elliott D 2A**Collection Date:** 10/2/2014 12:03:00 PM**Lab ID:** 1410220-009**Matrix:** SOIL**Received Date:** 10/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/8/2014 8:28:19 PM	15738
Surr: DNOP	106	57.9-140		%REC	1	10/8/2014 8:28:19 PM	15738
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/7/2014 4:05:15 PM	15739
Surr: BFB	88.3	80-120		%REC	1	10/7/2014 4:05:15 PM	15739
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	10/7/2014 4:05:15 PM	15739
Toluene	ND	0.047		mg/Kg	1	10/7/2014 4:05:15 PM	15739
Ethylbenzene	ND	0.047		mg/Kg	1	10/7/2014 4:05:15 PM	15739
Xylenes, Total	ND	0.094		mg/Kg	1	10/7/2014 4:05:15 PM	15739
Surr: 4-Bromofluorobenzene	97.7	80-120		%REC	1	10/7/2014 4:05:15 PM	15739

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410220

10-Oct-14

Client: Blagg Engineering

Project: A.L. Elliott D 2A

Sample ID	MB-15738	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15738	RunNo:	21737					
Prep Date:	10/6/2014	Analysis Date:	10/8/2014	SeqNo:	638953	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.2		10.00		92.2	57.9	140			

Sample ID	LCS-15738	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15738	RunNo:	21737					
Prep Date:	10/6/2014	Analysis Date:	10/8/2014	SeqNo:	638954	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	10	50.00	0	125	68.6	130			
Surr: DNOP	4.5		5.000		89.1	57.9	140			

Sample ID	1410220-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BH-3 @ 12'	Batch ID:	15738	RunNo:	21737					
Prep Date:	10/6/2014	Analysis Date:	10/8/2014	SeqNo:	638972	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	470	10	50.00	204.7	540	40.1	152			S
Surr: DNOP	6.0		5.000		120	57.9	140			

Sample ID	1410220-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BH-3 @ 12'	Batch ID:	15738	RunNo:	21737					
Prep Date:	10/6/2014	Analysis Date:	10/8/2014	SeqNo:	638973	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	280	9.9	49.50	204.7	146	40.1	152	52.6	32.1	R
Surr: DNOP	5.6		4.950		113	57.9	140	0	0	

Sample ID	MB-15782	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15782	RunNo:	21765					
Prep Date:	10/8/2014	Analysis Date:	10/9/2014	SeqNo:	640411	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.8		10.00		88.1	57.9	140			

Sample ID	LCS-15782	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15782	RunNo:	21765					
Prep Date:	10/8/2014	Analysis Date:	10/9/2014	SeqNo:	640413	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		80.0	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410220

10-Oct-14

Client: Blagg Engineering

Project: A.L. Elliott D 2A

Sample ID	MB-15731	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	15731	RunNo:	21722					
Prep Date:	10/6/2014	Analysis Date:	10/7/2014	SeqNo:	637916	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.6	80	120			

Sample ID	LCS-15731	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	15731	RunNo:	21722					
Prep Date:	10/6/2014	Analysis Date:	10/7/2014	SeqNo:	637917	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	65.8	139			
Surr: BFB	1000		1000		101	80	120			

Sample ID	MB-15739	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	15739	RunNo:	21730					
Prep Date:	10/6/2014	Analysis Date:	10/7/2014	SeqNo:	637950	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		83.0	80	120			

Sample ID	LCS-15739	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	15739	RunNo:	21730					
Prep Date:	10/6/2014	Analysis Date:	10/7/2014	SeqNo:	637951	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.3	65.8	139			
Surr: BFB	960		1000		96.1	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410220

10-Oct-14

Client: Blagg Engineering

Project: A.L. Elliott D 2A

Sample ID	MB-15731		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	15731		RunNo:	21722			
Prep Date:	10/6/2014		Analysis Date:	10/7/2014		SeqNo:	637938		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID	LCS-15731		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	15731		RunNo:	21722			
Prep Date:	10/6/2014		Analysis Date:	10/7/2014		SeqNo:	637939		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	103	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID	MB-15739		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	15739		RunNo:	21730			
Prep Date:	10/6/2014		Analysis Date:	10/7/2014		SeqNo:	638027		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	80	120			

Sample ID	LCS-15739		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	15739		RunNo:	21730			
Prep Date:	10/6/2014		Analysis Date:	10/7/2014		SeqNo:	638029		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.050	1.000	0	84.4	80	120			
Toluene	0.82	0.050	1.000	0	82.1	80	120			
Ethylbenzene	0.86	0.050	1.000	0	85.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.2	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.5	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410220

10-Oct-14

Client: Blagg Engineering

Project: A.L. Elliott D 2A

Sample ID	1410220-004AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BH-3 @ 24'	Batch ID:	15739	RunNo:	21730					
Prep Date:	10/6/2014	Analysis Date:	10/7/2014	SeqNo:	638031	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.049	0.9814	0	84.0	77.4	142			
Toluene	0.81	0.049	0.9814	0	83.0	77	132			
Ethylbenzene	0.86	0.049	0.9814	0	87.8	77.6	134			
Xylenes, Total	2.8	0.098	2.944	0.03892	93.2	77.4	132			
Surr: 4-Bromofluorobenzene	0.90		0.9814		92.1	80	120			

Sample ID	1410220-004AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BH-3 @ 24'	Batch ID:	15739	RunNo:	21730					
Prep Date:	10/6/2014	Analysis Date:	10/7/2014	SeqNo:	638032	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.049	0.9833	0	85.2	77.4	142	1.65	20	
Toluene	0.83	0.049	0.9833	0	84.6	77	132	2.06	20	
Ethylbenzene	0.86	0.049	0.9833	0	87.6	77.6	134	0.0482	20	
Xylenes, Total	2.8	0.098	2.950	0.03892	93.4	77.4	132	0.390	20	
Surr: 4-Bromofluorobenzene	1.0		0.9833		102	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG

Work Order Number: 1410220

RcptNo: 1

Received by/date:

Logged By: Michelle Garcia

10/4/2014 7:00:00 AM

Completed By: Michelle Garcia

10/6/2014 8:32:07 AM

Reviewed By:

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record		Turn-Around Time:	
Client: BLAGG ENGINEERING INC.		☒ Standard ☐ Rush	
BP AMERICA		Project Name:	
Mailing Address: P.O. Box 87		A. L. ELLIOTT D 2A	
Bloomfield NM 87413		Project #:	
Phone #: 505-320-1183		Project Manager:	
email or Fax#:		JEFF BLAGG	
QA/QC Package:		Sampler: JEFF BLAGG	
☒ Standard ☐ Level 4 (Full Validation)		On Ice: ☒ Yes ☐ No	
Accreditation		Sample Temperature: 3	
☐ NELAP ☐ Other			
☐ EDD (Type)			

☒ **Standard** ☐ **Rush**

A. L. ELLIOTT D 2A

Project #:

Project Manager:

JEFF BLAGG

Sampler: JEFF BLAGG

On Ice: ☒ Yes ☐ No

Sample Temperature: 13

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Date: 10/3/2014	Time: 1056	Relinquished by: JH Blegg	Received by: Christopher Walters	Date 10/3/2014	Time 1056
Date: 10/3/14	Time: 1745	Relinquished by: Christopher Walters	Received by: Christopher Walters	Date 10/4/14	Time 0700

Remarks:	BILL BLAGE
----------	------------

BP CONTACT: JEFF PEACE

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.