

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  
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 in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company <b>BP America Production Company</b>	Contact <b>Steve Moskal</b>
Address <b>200 Energy Court, Farmington, NM 87401</b>	Telephone No. <b>(505) 326-9497</b>
Facility Name <b>HUGHES 001E</b>	Facility Type <b>Natural Gas Well</b>
Surface Owner <b>Federal</b>	Mineral Owner <b>Bureau of Land Management</b> API No. <b>3004525457</b>

**LOCATION OF RELEASE**

Unit Letter <b>C</b>	Section <b>21</b>	Township <b>29N</b>	Range <b>8W</b>	Feet from the <b>790</b>	North/South Line <b>NORTH</b>	Feet from the <b>1,520</b>	East/West Line <b>WEST</b>	County <b>SAN JUAN</b>
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Latitude 36.71611 Longitude -107.68475

**NATURE OF RELEASE**

Type of Release <b>Exempt Waste from BGT (oil/condensate)</b>	Volume of Release <b>Unknown</b>	Volume Recovered <b>None</b>
Source of Release <b>95 bbl BGT</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>8/24/2016 11:35 am (during BGT removal).</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**OIL CONS. DIV DIST. 3  
OCT 31 2016**

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* **Nature of release undetermined. Sampling beneath BGT was conducted immediately after removal. 5 point composite sample collected for laboratory analyses (TPH, BTEX, & chloride). Lab results for benzene, total BTEX, & chlorides were below the BGT permit closure plan standards. TPH = 980 mg/Kg by method 8015B (BGT permit closure plan standard = 100 mg/Kg). Field & laboratory analytical reports are attached.**

Describe Area Affected and Cleanup Action Taken.\* **Hydrocarbon impacted soils below BGT foot print. Impacted soils were below NMOCD's Spill & Release Guidelines for TPH, therefore no cleanup action was necessary. Final laboratory results support closure of the BGT location.**

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:	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Steve Moskal</b>	Approved by Environmental Specialist:	
Title: <b>Environmental Field Coordinator</b>	Approval Date: <b>12/5/14</b>	Expiration Date:
E-mail Address: <b>steven.moskal@bp.com</b>	Conditions of Approval: _____	Attached <input type="checkbox"/>
Date: <b>October 26, 2016</b> Phone: <b>(505) 326.9497</b>		

\* Attach Additional Sheets If Necessary **#NCS 1631 339855**

**13**

**FIELD REPORT:**

(circle one):  **BGT CONFIRMATION** /  **RELEASE INVESTIGATION** / OTHER:

PAGE #: **2** of **2**

**SITE INFORMATION:** SITE NAME: **HUGHES # 1E**  
QUAD/UNIT: **C** SEC: **21** TWP: **29N** RNG: **8W** PM: **NM** CNTY: **SJ** ST: **NM**  
1/4 -1/4/FOOTAGE: **790'N / 1,520'W** **NE/NW** LEASE TYPE:  **FEDERAL** / STATE / FEE / INDIAN  
LEASE #: **SF078046** PROD. FORMATION: **MV** CONTRACTOR: **BP - A. SALAZAR**

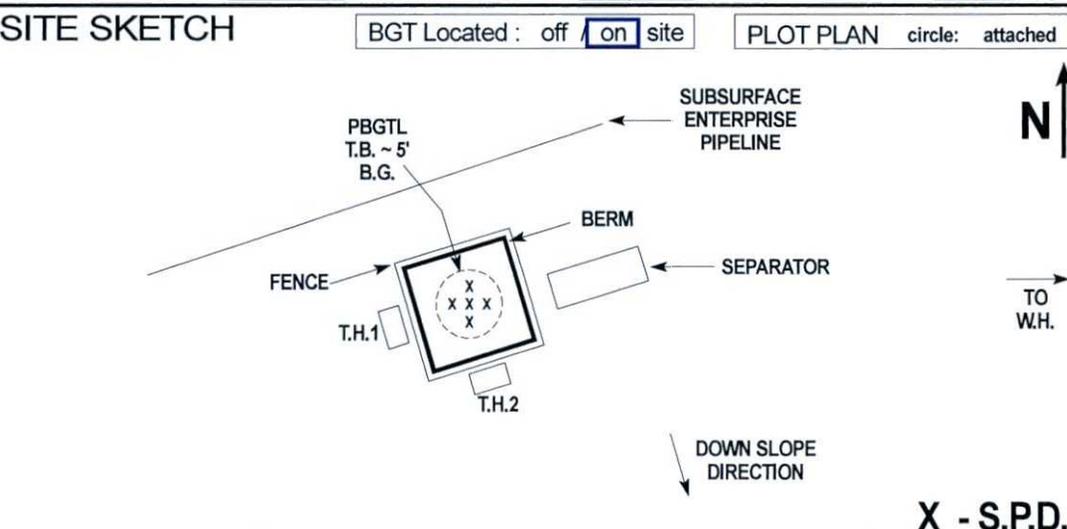
DATE STARTED: **08/24/16**  
DATE FINISHED:  
ENVIRONMENTAL SPECIALIST(S): **NJV**

**REFERENCE POINT:** WELL HEAD (W.H.) GPS COORD.: **36.71615 X 107.68445** GL ELEV.: **6,452'**  
1) **95 BGT (SW/DB)** GPS COORD.: **36.71611 X 107.68475** DISTANCE/BEARING FROM WH.: **99', S84.5W**  
2) GPS COORD.: DISTANCE/BEARING FROM WH.:  
3) GPS COORD.: DISTANCE/BEARING FROM WH.:  
4) GPS COORD.: DISTANCE/BEARING FROM WH.:

**SAMPLING DATA:** CHAIN OF CUSTODY RECORD(S) # OR LAB USED: **HALL** OVM READING (ppm)  
1) SAMPLE ID: **5PC - TB @ 6' (95)** SAMPLE DATE: **08/24/16** SAMPLE TIME: **1140** LAB ANALYSIS: **8015B/8021B/300.0 (CI)** **921**  
2) SAMPLE ID: **TH1 @ 8.5'** SAMPLE DATE: **08/24/16** SAMPLE TIME: **1220** LAB ANALYSIS: **8015B/8021B/300.0 (CI)** **34.5**  
3) SAMPLE ID: **TH2 @ 9'** SAMPLE DATE: **08/24/16** SAMPLE TIME: **1235** LAB ANALYSIS: **8015B/8021B/300.0 (CI)** **29.8**  
4) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:

**SOIL DESCRIPTION:** SOIL TYPE: SAND  **SILTY SAND** SILT  **SILTY CLAY** CLAY / GRAVEL / OTHER  
SOIL COLOR: **MOSTLY DARK YELLOWISH BROWN** PLASTICITY (CLAYS):  **NON PLASTIC**  **SLIGHTLY PLASTIC** COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC  
COHESION (ALL OTHERS):  **NON COHESIVE**  **SLIGHTLY COHESIVE** COHESIVE / HIGHLY COHESIVE DENSITY (COHESIVE CLAYS & SILTS): SOFT  **FIRM**  **STIFF** VERY STIFF / HARD  
CONSISTENCY (NON COHESIVE SOILS): LOOSE  **FIRM** DENSE / VERY DENSE HC ODOR DETECTED:  **YES** NO EXPLANATION - **PHYSICALLY FROM EXCAVATION**  
MOISTURE: DRY  **SLIGHTLY MOIST** MOIST / WET / SATURATED  **AFTER BGT REMOVAL.**  
SAMPLE TYPE:  **GRAB**  **COMPOSITE** # OF PTS. **5** ANY AREAS DISPLAYING WETNESS:  **YES** / NO EXPLANATION - **CONDENSATE & OR WATER**  
DISCOLORATION/STAINING OBSERVED:  **YES** NO EXPLANATION - **GRAY / BLACK BENEATH BGT AFTER REMOVAL.**

**SITE OBSERVATIONS:** LOST INTEGRITY OF EQUIPMENT:  **YES** NO EXPLANATION - **BGT BOTTOM CORRODED AT NUMEROUS POINTS.**  
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED:  **YES** NO EXPLANATION: **DISCOLORED SOILS & PHYSICAL HYDROCARBON ODOR.**  
EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION - **UNKNOWN AT THIS TIME.**  
OTHER: **ONLY ABLE TO ADVANCE 2 TEST HOLES FOR DELINEATION DUE TO SUBSURFACE UTILITIES ON NORTH & EAST SIDES OF BGT. BOTH TEST HOLES HAD SIMILAR LITHOLOGY & DID NOT SHOW ANY EVIDENCE OF IMPACTS.**  
SOIL IMPACT DIMENSION ESTIMATION: **NA** ft. X **NA** ft. X **NA** ft. EXCAVATION ESTIMATION (Cubic Yards): **NA**  
DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **<1,000'** NMOCD TPH CLOSURE STD: **1,000** ppm



OVM CALIB. READ. = **53.0** ppm RF=0.52  
OVM CALIB. GAS = **100** ppm  
TIME: **1:00** am/pm DATE: **08/24/16**

**MISCELL. NOTES**  
WO:  
REF #: **P - 655**  
VID: **VHIXONEVB2**  
PJ #:  
Permit date(s): **06/09/10**  
OCD Appr. date(s): **08/29/16**  
Tank ID OVM = Organic Vapor Meter ppm = parts per million  
**A** BGT Sidewalls Visible: **Y / (N)**  
BGT Sidewalls Visible: **Y / N**  
BGT Sidewalls Visible: **Y / N**  
Magnetic declination: **10° E**

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGT = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Blagg Engineering

**Client Sample ID:** 5PC-TB@6'(95)

**Project:** Hughes 1E

**Collection Date:** 8/24/2016 11:40:00 AM

**Lab ID:** 1608E28-001

**Matrix:** MEOH (SOIL)

**Received Date:** 8/25/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	8/25/2016 11:13:05 AM	27168
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	260	9.7		mg/Kg	1	8/25/2016 10:52:39 AM	27162
Motor Oil Range Organics (MRO)	49	48		mg/Kg	1	8/25/2016 10:52:39 AM	27162
Surr: DNOP	86.5	70-130		%Rec	1	8/25/2016 10:52:39 AM	27162
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	720	160		mg/Kg	50	8/25/2016 12:53:45 PM	G36759
Surr: BFB	160	68.3-144	S	%Rec	50	8/25/2016 12:53:45 PM	G36759
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.82		mg/Kg	50	8/25/2016 12:53:45 PM	B36759
Toluene	ND	1.6		mg/Kg	50	8/25/2016 12:53:45 PM	B36759
Ethylbenzene	2.7	1.6		mg/Kg	50	8/25/2016 12:53:45 PM	B36759
Xylenes, Total	39	3.3		mg/Kg	50	8/25/2016 12:53:45 PM	B36759
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	50	8/25/2016 12:53:45 PM	B36759

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
D	Sample Diluted Due to Matrix	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	P Sample pH Not In Range
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Blagg Engineering

**Client Sample ID:** TH1-8.5' (West Side)

**Project:** Hughes 1E

**Collection Date:** 8/24/2016 12:20:00 PM

**Lab ID:** 1608E26-001

**Matrix:** MEOH (SOIL)

**Received Date:** 8/25/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	8/25/2016 10:48:15 AM	27168
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/25/2016 11:14:36 AM	27162
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/25/2016 11:14:36 AM	27162
Surr: DNOP	87.2	70-130		%Rec	1	8/25/2016 11:14:36 AM	27162
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	8/25/2016 11:39:54 AM	G36759
Surr: BFB	85.0	68.3-144		%Rec	1	8/25/2016 11:39:54 AM	G36759
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.017		mg/Kg	1	8/25/2016 11:39:54 AM	B36759
Toluene	ND	0.035		mg/Kg	1	8/25/2016 11:39:54 AM	B36759
Ethylbenzene	ND	0.035		mg/Kg	1	8/25/2016 11:39:54 AM	B36759
Xylenes, Total	ND	0.069		mg/Kg	1	8/25/2016 11:39:54 AM	B36759
Surr: 4-Bromofluorobenzene	89.0	80-120		%Rec	1	8/25/2016 11:39:54 AM	B36759

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	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	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Blagg Engineering

Client Sample ID: TH2-9' (South Side)

Project: Hughes 1E

Collection Date: 8/24/2016 12:35:00 PM

Lab ID: 1608E26-002

Matrix: MEOH (SOIL)

Received Date: 8/25/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	45	30		mg/Kg	20	8/25/2016 11:00:40 AM	27168
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/25/2016 11:36:28 AM	27162
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/25/2016 11:36:28 AM	27162
Surr: DNOP	90.0	70-130		%Rec	1	8/25/2016 11:36:28 AM	27162
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	8/25/2016 12:04:33 PM	G36759
Surr: BFB	86.6	68.3-144		%Rec	1	8/25/2016 12:04:33 PM	G36759
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.019		mg/Kg	1	8/25/2016 12:04:33 PM	B36759
Toluene	ND	0.038		mg/Kg	1	8/25/2016 12:04:33 PM	B36759
Ethylbenzene	ND	0.038		mg/Kg	1	8/25/2016 12:04:33 PM	B36759
Xylenes, Total	ND	0.075		mg/Kg	1	8/25/2016 12:04:33 PM	B36759
Surr: 4-Bromofluorobenzene	92.3	80-120		%Rec	1	8/25/2016 12:04:33 PM	B36759

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# Chain-of-Custody Record

Client: **BLAGG ENGR. / BP AMERICA**

Mailing Address: **P.O. BOX 87  
BLOOMFIELD, NM 87413**

Phone #: **(505) 632-1199**

Email or Fax#:

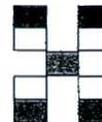
Turn-Around Time: **SAME DAY**

Standard  Rush

Project Name: **HUGHES # 1E**

Project #:

Project Manager: **NELSON VELEZ**



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

QA/QC Package:  
 Standard  Level 4 (Full Validation)

Accreditation:  
 NELAP  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Sampler: **NELSON VELEZ**

On Ice:  Yes  No

Sample Temperature: **3.5**

### Analysis Request

BTEX + MTBE + TPH's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water - 300.1)	Grab sample	5 pt. composite sample	Air Bubbles (Y or N)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
8/24/16	1140	SOIL	5PC - TB @ 6' (95)	4 oz. - 1	Cool	1608E28 -001

Date: 8/24/16 Time: 1516 Relinquished by: *[Signature]* Received by: *Christ Waite* Date: 8/24/16 Time: 1514

Date: 8/24/16 Time: 08031 Relinquished by: *Christ Waite* Received by: *[Signature]* Date: 08/25/16 Time: 0800

Remarks: **BILL DIRECTLY TO BP USING THE CIRCLED CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE;**

VID: **VHIXONEVB2** Steve Moskal VDRINKJWA1 John Ritchie VDRINKJWA1

Reference # **P - 655**

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.

# Chain-of-Custody Record

Client: **BLAGG ENGR. / BP AMERICA**

Mailing Address: **P.O. BOX 87  
BLOOMFIELD, NM 87413  
(505) 632-1199**

Phone #: **(505) 632-1199**

Mail or Fax#:

QA/QC Package:  
 Standard     Level 4 (Full Validation)

Accreditation:  
 NELAP     Other \_\_\_\_\_  
 EDD (Type) \_\_\_\_\_

Turn-Around Time: **SAME DAY**

Standard     Rush

Project Name: **HUGHES # 1E**

Project #:

Project Manager: **NELSON VELEZ**

Sampler: **NELSON VELEZ** *NV*

On Ice:  Yes     No

Sample Temperature: **35**



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + THMs (8021B)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MIRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water - 300.1)	Grab sample	5 pt. composite sample	Air Bubbles (Y or N)	
8/24/16	1220	SOIL	TH1 @ 8.5' (WEST SIDE)	4oz.-1	COOL	-001	✓		✓									✓	✓			
8/24/16	1235	SOIL	TH2 @ 9' (SOUTH SIDE)	4oz.-1	COOL	-002	✓		✓									✓	✓			

Date: 8/24/16 Time: 1510 Relinquished by: *Nelson Velez* Received by: *Charles Wall* Date: 8/24/16 Time: 1510

Date: 8/24/16 Time: 2031 Relinquished by: *Charles Wall* Received by: *[Signature]* Date: 08/25/16 Time: 0800

Remarks: **BILL DIRECTLY TO BP USING THE CIRCLED CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE;**

VID: **VHXONEVB2** Steve Moskal VMOS6HQFEC John Ritchie VRITCJWFEC

Reference # **F-655**

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.

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E28

26-Aug-16

Client: Blagg Engineering

Project: Hughes 1E

Sample ID	MB-27168	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27168	RunNo:	36775					
Prep Date:	8/25/2016	Analysis Date:	8/25/2016	SeqNo:	1139951	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27168	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27168	RunNo:	36775					
Prep Date:	8/25/2016	Analysis Date:	8/25/2016	SeqNo:	1139952	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E28

26-Aug-16

Client: Blagg Engineering

Project: Hughes 1E

Sample ID	<b>LCS-27162</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>27162</b>	RunNo:	<b>36745</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1138933</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.7	62.6	124			
Surr: DNOP	4.2		5.000		83.5	70	130			

Sample ID	<b>MB-27162</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>27162</b>	RunNo:	<b>36745</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1138934</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.3	70	130			

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
R RPD outside accepted recovery limits  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E28  
26-Aug-16

Client: Blagg Engineering  
Project: Hughes 1E

Sample ID	<b>5ML RB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>G36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139606</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		88.7	68.3	144			

Sample ID	<b>2.5UG GRO LCS</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>G36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139607</b>	Units:	<b>mg/Kg</b>			
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	80	120			
Surr: BFB	960		1000		96.5	68.3	144			

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E28  
26-Aug-16

Client: Blagg Engineering  
Project: Hughes 1E

Sample ID	<b>5ML RB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>B36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139612</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.8	80	120			

Sample ID	<b>100NG BTEX LCS</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>B36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139613</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	75.3	123			
Toluene	1.1	0.050	1.000	0	107	80	124			
Ethylbenzene	1.0	0.050	1.000	0	101	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	97.8	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

**Sample Log-In Check List**

Client Name: **BLAGG**

Work Order Number: **1608E28**

RcptNo: **1**

Received by/date: AG 08/25/16

Logged By: **Ashley Gallegos** 8/25/2016 8:00:00 AM AG

Completed By: **Ashley Gallegos** 8/25/2016 8:41:12 AM AG

Reviewed By: Jc 08/25/16

**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° 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? Yes  No   
 (Note discrepancies on chain of custody)
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? Yes  No   
 (If no, notify customer for authorization.)

# 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good	Yes			

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E26

26-Aug-16

Client: Blagg Engineering

Project: Hughes 1E

Sample ID	<b>MB-27168</b>	SampType:	<b>mbk</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>27168</b>	RunNo:	<b>36775</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139951</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	<b>LCS-27168</b>	SampType:	<b>lcs</b>	TestCode:	<b>EPA Method 300.0: Anions</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>27168</b>	RunNo:	<b>36775</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139952</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E26  
26-Aug-16

Client: Blagg Engineering  
Project: Hughes IE

Sample ID	<b>LCS-27162</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>27162</b>	RunNo:	<b>36745</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1138933</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.7	62.6	124			
Surr: DNOP	4.2		5.000		83.5	70	130			

Sample ID	<b>MB-27162</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>27162</b>	RunNo:	<b>36745</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1138934</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.3	70	130			

Sample ID	<b>1608E24-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>27162</b>	RunNo:	<b>36745</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139346</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.76	5.554	78.4	33.9	141			
Surr: DNOP	4.7		5.076		91.9	70	130			

Sample ID	<b>1608E24-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>27162</b>	RunNo:	<b>36745</b>					
Prep Date:	<b>8/25/2016</b>	Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139347</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	49.90	5.554	68.8	33.9	141	12.9	20	
Surr: DNOP	4.5		4.990		90.1	70	130	0	0	

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E26

26-Aug-16

Client: Blagg Engineering

Project: Hughes 1E

Sample ID	<b>5ML RB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>G36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139606</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		88.7	68.3	144			

Sample ID	<b>2.5UG GRO LCS</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>G36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139607</b>	Units:	<b>mg/Kg</b>			
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	80	120			
Surr: BFB	960		1000		96.5	68.3	144			

Sample ID	<b>1608E26-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>TH1-8.5' (West Side)</b>	Batch ID:	<b>G36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139608</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.5	17.30	0	98.6	59.3	143			
Surr: BFB	660		692.0		95.4	68.3	144			

Sample ID	<b>1608E26-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>TH1-8.5' (West Side)</b>	Batch ID:	<b>G36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139609</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.5	17.30	0	93.1	59.3	143	5.76	20	
Surr: BFB	650		692.0		93.9	68.3	144	0	0	

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | 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                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1608E26

26-Aug-16

**Client:** Blagg Engineering

**Project:** Hughes 1E

Sample ID	<b>5ML RB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>B36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139612</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.8	80	120			

Sample ID	<b>100NG BTEX LCS</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>B36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139613</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	75.3	123			
Toluene	1.1	0.050	1.000	0	107	80	124			
Ethylbenzene	1.0	0.050	1.000	0	101	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	97.8	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID	<b>1608E26-002AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>TH2-9' (South Side)</b>	Batch ID:	<b>B36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139614</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.66	0.019	0.7524	0	87.5	71.5	122			
Toluene	0.62	0.038	0.7524	0	82.1	71.2	123			
Ethylbenzene	0.63	0.038	0.7524	0	84.1	75.2	130			
Xylenes, Total	1.9	0.075	2.257	0	83.6	72.4	131			
Surr: 4-Bromofluorobenzene	0.72		0.7524		95.8	80	120			

Sample ID	<b>1608E26-002AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>TH2-9' (South Side)</b>	Batch ID:	<b>B36759</b>	RunNo:	<b>36759</b>					
Prep Date:		Analysis Date:	<b>8/25/2016</b>	SeqNo:	<b>1139615</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.65	0.019	0.7524	0	85.8	71.5	122	1.90	20	
Toluene	0.62	0.038	0.7524	0	83.0	71.2	123	1.05	20	
Ethylbenzene	0.62	0.038	0.7524	0	81.8	75.2	130	2.76	20	
Xylenes, Total	1.8	0.075	2.257	0	81.8	72.4	131	2.20	20	
Surr: 4-Bromofluorobenzene	0.73		0.7524		96.4	80	120	0	0	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

**Sample Log-In Check List**

Client Name: **BLAGG**

Work Order Number: **1608E26**

RcptNo: 1

Received by/date: *[Signature]* **08/25/14**

Logged By: **Ashley Gallegos** 8/25/2016 8:00:00 AM *[Signature]*

Completed By: **Ashley Gallegos** 8/25/2016 8:35:24 AM *[Signature]*

Reviewed By: *Jc* 08/25/16

**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° 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? Yes  No   
(Note discrepancies on chain of custody)
- 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? Yes  No   
(If no, notify customer for authorization.)

# 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:

**Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good	Yes			