

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: BP	Contact: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: State Gas Com BQ 1E	Facility Type: Natural gas well

Surface Owner: State	Mineral Owner: Fee	API No. 3004526296
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LOCATION OF RELEASE

Unit Letter A	Section 32	Township 29N	Range 13W	Feet from the 810	North/South Line North	Feet from the 810	East/West Line East	County: San Juan
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Latitude 36.688159 Longitude 108.223840

NATURE OF RELEASE

Type of Release: condensate/oil	Volume of Release: unknown	Volume Recovered: none
Source of Release: above ground condensate tank	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: July 12, 2013; 10:30 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? RCVD DEC 10 '13	
By Whom?	Date and Hour:	OIL CONS. DIV.
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* During operations to remove equipment from the well site after plug and abandon procedures impacted soil was found below the condensate tank. Impacted soil was excavated and removed.

Describe Area Affected and Cleanup Action Taken.* Impacted soil was excavated and removed to the sandstone bedrock, which was 7' to 8' below the surface. Soil was scraped from the top of the sandstone and then hydrogen peroxide was sprayed on the surface before backfilling with clean soil. Total of 288 cubic yards were excavated and hauled to the IEI landfarm for treatment. The site will be reclaimed and seeded.

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>Jeffrey D. Kelly</i>	
Title: Field Environmental Advisor	Approval Date: <i>4/4/2014</i>	Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: December 6, 2013	Phone: 505-326-9479	

* Attach Additional Sheets If Necessary

15K1409453195

BP – State GC BQ # 1E

Unit Ltr. A, Section 32, T29N, R13W, NMPM
API #: 3004526296

Imagery Date: 06/10/2011.

Excavation Center
141.5', N65W from
P&A marker

Former 400 bbl
Production Tank Center

Excavation Perimeter
37' x 33' x 7'-8' (depth)

See Field Report
for specific details
and sampling data

P&A
MARKER

Google earth

60 ft

N

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004526296 TANK ID (if applicable): NA
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FIELD REPORT:

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

REMEDIATION CLEANUP

SITE INFORMATION: SITE NAME: **STATE GC BQ # 1E**

QUAD/UNIT: **A** SEC: **32** TWP: **29N** RING: **13W** PM: **NM** CNTY: **SJ** ST: **NM**
DATE STARTED: **11/19/13**

1/4 - 1/4/FOOTAGE: **810'N/810'E** **NE/NE** LEASE TYPE: **FEDERAL / STATE / FEE** INDIAN **CROSSFIRE**
DATE FINISHED:

LEASE #: **-** PROD. FORMATION: **DK** CONTRACTOR: **MBF - C. ZELLITTI**
ENVIRONMENTAL SPECIALIST(S): **NJV**

PAGE #: **1** of **1**

REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: **36.687984 X 108.223458** GL ELEV.: **5,833'**

1) FORMER 400 BBL PROD. TANK	GPS COORD.: 36.688159 X 108.223840	DISTANCE/BEARING FROM W.H.: 129', N60.5W
2) EXCAVATION CENTER	GPS COORD.: 36.688159 X 108.223840	DISTANCE/BEARING FROM W.H.: 141.5', N65W
3) _____	GPS COORD.: _____	DISTANCE/BEARING FROM W.H.: _____
4) _____	GPS COORD.: _____	DISTANCE/BEARING FROM W.H.: _____

SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: **HALL**

1) SAMPLE ID: 4 PC- SW @ 3'- 4'	SAMPLE DATE: 11/19/13	SAMPLE TIME: 1045	LAB ANALYSIS: 8015B/8021B/300.0(CI)	OVM READING (ppm): NA
2) SAMPLE ID: 3 PC- EB @ 7'- 8'	SAMPLE DATE: 11/19/13	SAMPLE TIME: 1050	LAB ANALYSIS: 8015B/8021B/300.0(CI)	OVM READING (ppm): 543
3) SAMPLE ID: _____	SAMPLE DATE: _____	SAMPLE TIME: _____	LAB ANALYSIS: _____	OVM READING (ppm): _____
4) SAMPLE ID: _____	SAMPLE DATE: _____	SAMPLE TIME: _____	LAB ANALYSIS: _____	OVM READING (ppm): _____

SOIL DESCRIPTION: SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER **BEDROCK (SANDSTONE)**

SOIL COLOR: **MOSTLY DARK YELLOWISH ORANGE**
 COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE
 CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE
 MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED
 SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. **3 & 4**
 DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - **EXCAVATION BOTTOM ONLY (SANDSTONE) - LIGHT TO GREENISH GRAY.**

@ 7' - 8' BELOW GRADE.
 PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
 DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
 HC ODOR DETECTED: YES / NO EXPLANATION - **@ EXCAVATION BOTTOM SAMPLE ONLY & EXCAVATED SOIL.**

ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION - _____
 APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES / NO EXPLANATION: **IDENTIFIED AS FIBERGLASS PIPING.**
 ADDITIONAL COMMENTS: **4 PT. COMPOSITE SUBMITTED TO LAB FROM SIDEWALL SAMPLES.**

SOIL IMPACT DIMENSION ESTIMATION: **37** ft. X **33** ft. X **7.5** ft.
 DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **<1,000'** NMOC DTPH CLOSURE STD: **1,000** ppm

EXCAVATION ESTIMATION (Cubic Yards): **288**

SITE SKETCH

PLOT PLAN circle: attached

OVM CALIB. READ. = **52.5** ppm RF = 0.52
 OVM CALIB. GAS = **100** ppm
 TIME: **11:20** (any/pm) DATE: **11/19/13**

SAMP.	OVM	TIME
1' @ 4'	1.4	1045
2' @ 3'	2.3	1043
3' @ 3'	2.2	1038
4' @ 4'	3.0	1041

3 PT. COMPOSITE SAMPLE FROM EXCAVATION BOTTOM (7'-8' B.G.)
 EXCAVATION PERIMETER
 FORMER PROD. TANK LOCATION
 SIDEWALL S.P.D.
 TO W.H.

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.

NOTES: **GOOGLE IMAGERY DATE: 06/10/11**

ONSITE: **11/19/13**

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1311972

Date Reported: 11/27/2013

CLIENT: Blagg Engineering

Client Sample ID: 4PC-SW @ 3'-4'

Project: STATE GC BQ #1E

Collection Date: 11/19/2013 10:45:00 AM

Lab ID: 1311972-001

Matrix: SOIL

Received Date: 11/21/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	320	10		mg/Kg	1	11/22/2013 10:44:25 AM	10459
Surr: DNOP	87.4	66-131		%REC	1	11/22/2013 10:44:25 AM	10459
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg	1	11/21/2013 6:39:43 PM	R14970
Surr: BFB	93.1	74.5-129		%REC	1	11/21/2013 6:39:43 PM	R14970
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.060		mg/Kg	1	11/21/2013 6:39:43 PM	R14970
Toluene	ND	0.060		mg/Kg	1	11/21/2013 6:39:43 PM	R14970
Ethylbenzene	ND	0.060		mg/Kg	1	11/21/2013 6:39:43 PM	R14970
Xylenes, Total	ND	0.12		mg/Kg	1	11/21/2013 6:39:43 PM	R14970
Surr: 4-Bromofluorobenzene	109	80-120		%REC	1	11/21/2013 6:39:43 PM	R14970
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	93	30		mg/Kg	20	11/25/2013 12:35:12 PM	10510

4 PT. COMPOSITE SAMPLE COLLECTED FROM
SIDEWALLS

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 for VOA and TOC only.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1311972

Date Reported: 11/27/2013

CLIENT: Blagg Engineering**Client Sample ID:** 3PC-EB @ 7'-8'**Project:** STATE GC BQ #1E**Collection Date:** 11/19/2013 10:50:00 AM**Lab ID:** 1311972-002**Matrix:** SOIL**Received Date:** 11/21/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	3800	100		mg/Kg	10	11/22/2013 11:14:38 AM	10459
Surr: DNOP	0	66-131	S	%REC	10	11/22/2013 11:14:38 AM	10459
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	2000	28		mg/Kg	5	11/21/2013 7:08:20 PM	R14970
Surr: BFB	1900	74.5-129	S	%REC	5	11/21/2013 7:08:20 PM	R14970
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	0.30	0.28		mg/Kg	5	11/21/2013 7:08:20 PM	R14970
Toluene	1.7	0.28		mg/Kg	5	11/21/2013 7:08:20 PM	R14970
Ethylbenzene	16	0.28		mg/Kg	5	11/21/2013 7:08:20 PM	R14970
Xylenes, Total	93	5.5		mg/Kg	50	11/22/2013 5:39:54 PM	R14998
Surr: 4-Bromofluorobenzene	281	80-120	S	%REC	5	11/21/2013 7:08:20 PM	R14970
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	ND	30		mg/Kg	20	11/25/2013 1:12:25 PM	10510

3 PT. COMPOSITE SAMPLE COLLECTED FROM
BEDROCK BOTTOM

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 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Chain-of-Custody Record		Turnaround Time: <u>72 HR.</u>	
Client: BLAGG ENGR. / BP AMERICA		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>72 HR.</u>	
Mailing Address: P.O. BOX 87		Project Name: STATE GC BQ # 1E	
BLOOMFIELD, NM 87413		Project #:	
Phone #: (505) 632-1199		Project Manager:	
email or Fax#:		NELSON VELEZ	
QA/QC Package:		Sampler: NELSON VELEZ <i>710</i>	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		On/Off: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Accreditation:		Sample Temperature: <i>1.0</i>	
<input type="checkbox"/> NELAP <input type="checkbox"/> Other _____			
<input type="checkbox"/> EDD (Type) _____			

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/20/13	850	[Signature]	Christine Wheeler	11/20/13	850
Date:	Time:	Relinquished by:	Received by:	Date	Time
11/21/13	645	Christine Wheeler	[Signature]	11/21/13	09

Remarks:

BILL DIRECTLY TO BP:

Jeff Peace, 200 Energy Court, Farmington, NM 87401

Work Order: N15328939 Paykey: ZFEIRKOSJS

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#: 1311972

27-Nov-13

Client: Blagg Engineering
Project: STATE GC BQ #1E

Sample ID	MB-10510	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	10510	RunNo:	15069					
Prep Date:	11/25/2013	Analysis Date:	11/25/2013	SeqNo:	434939	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-10510	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	10510	RunNo:	15069					
Prep Date:	11/25/2013	Analysis Date:	11/25/2013	SeqNo:	434940	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.
- 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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1311972

27-Nov-13

Client: Blagg Engineering
Project: STATE GC BQ #1E

Sample ID	MB-10459	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10459	RunNo:	14949					
Prep Date:	11/21/2013	Analysis Date:	11/21/2013	SeqNo:	432083	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	8.5		10.00		84.9	66	131			

Sample ID	LCS-10459		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 10459		RunNo: 14949					
Prep Date:	11/21/2013		Analysis Date: 11/21/2013		SeqNo: 432084		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	111	62.1	127			
Surr: DNOP	4.9		5.000		97.0	66	131			

Sample ID	MB-10474	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10474	RunNo:	14985					
Prep Date:	11/21/2013	Analysis Date:	11/22/2013	SeqNo:	432946	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		94.4	66	131			

Sample ID	LCS-10474		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 10474		RunNo: 14985					
Prep Date:	11/21/2013		Analysis Date: 11/22/2013		SeqNo: 432958		Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		104	66	131			

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 for VOA and TOC only. |
| 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#: 1311972

27-Nov-13

Client: Blagg Engineering
Project: STATE GC BQ #1E

Sample ID	lcs-10444 5	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R14970	RunNo:	14970					
Prep Date:		Analysis Date:	11/21/2013	SeqNo:	432645	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.5	74.5	126			
Surr: BFB	970		1000		96.7	74.5	129			

Sample ID	mb-10444 7	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R14970	RunNo:	14970					
Prep Date:		Analysis Date:	11/21/2013	SeqNo:	432646	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	930		1000		92.7	74.5	129			

Sample ID	lcs-10465 5	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R14998	RunNo:	14998					
Prep Date:		Analysis Date:	11/22/2013	SeqNo:	434083	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		100	74.5	129			

Sample ID	mb-10465 7	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R14998	RunNo:	14998					
Prep Date:		Analysis Date:	11/22/2013	SeqNo:	434084	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	920		1000		92.3	74.5	129			

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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1311972

27-Nov-13

Client: Blagg Engineering
Project: STATE GC BQ #1E

Sample ID	mb-10444 7		SampType: MBLK	TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS		Batch ID: R14970	RunNo: 14970						
Prep Date:			Analysis Date: 11/21/2013	SeqNo: 432649		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	1.1		1.000		111	80	120			

Sample ID	ics-10444 6		SampType: LCS	TestCode: EPA Method 8021B: Volatiles						
Client ID:	LCSS		Batch ID: R14970	RunNo: 14970						
Prep Date:			Analysis Date: 11/21/2013	SeqNo: 432650		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	101	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			

Sample ID	ics-10465 6		SampType: LCS	TestCode: EPA Method 8021B: Volatiles						
Client ID:	LCSS		Batch ID: R14998	RunNo: 14998						
Prep Date:			Analysis Date: 11/22/2013	SeqNo: 434116		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		117	80	120			

Sample ID	mb-10465 7		SampType: MBLK	TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS		Batch ID: R14998	RunNo: 14998						
Prep Date:			Analysis Date: 11/22/2013	SeqNo: 434122		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

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 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1311972**

RcptNo: **1**

Received by/date:

MG 11/21/13

Logged By: **Anne Thorne**

11/21/2013 9:50:00 AM

Anne Thorne

Completed By: **Anne Thorne**

11/21/2013

Anne Thorne

Reviewed By:

AT 11/21/13

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?
(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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			