

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 BC OPERATING, INC.	Contact JASON WACKER
Address P.O. BOX 50820, MIDLAND, TX 79710	Telephone No. 432-684-9696
Facility Name SOUTH LANGLEIE JAL UNIT #11	Facility Type FLOWLINE

Surface Owner CLAY OSBOURNE	Mineral Owner	API No.30-025-11503
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LOCATION OF RELEASE

Unit Letter N	Section 8	Township 25S	Range 37E	Feet from the 990'	North/South Line SOUTH	Feet from the 2310'	East/West Line WEST	County LEA
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Latitude _____ Longitude _____

NATURE OF RELEASE


Type of Release LEASE OIL	Volume of Release 14 BBLS	Volume Recovered
Source of Release Flowline for Well #11	Date and Hour of Occurrence 4/20/2009	Date and Hour of Discovery 4/20/2009
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Reported by phone 4/22/2009 to Geoffrey Leking	
By Whom?	Date and Hour 4/22/2009	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Rupture in 2-3/8" Steel Flowline. Pipe worn out over time.

Describe Area Affected and Cleanup Action Taken.*
12' x 30' x 2' affected area. Replaced total flow line. Hauled off contaminated soil and back filled w/ soil off lease.
Please see attached Report

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: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Sarah Presley		Approved by Environmental Specialist:	
Title: Regulatory Analyst		Approval Date:	Expiration Date:
E-mail Address: spresley@bcoperating.com		Conditions of Approval:	
Date: 6/6/2016 Phone: 432-684-9696		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

COVER LETTER

Tuesday, July 07, 2009

Isaac Kincaid
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: South Langlie #11

Order No.: 0906548

Dear Isaac Kincaid:

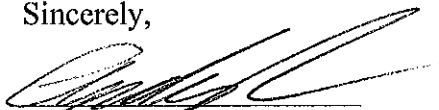
Hall Environmental Analysis Laboratory, Inc. received 13 sample(s) on 6/26/2009 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-01

Client Sample ID: AH #1 6"
Collection Date: 6/25/2009 9:30:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/6/2009 10:10:20 PM
Toluene	ND	0.050		mg/Kg	1	7/6/2009 10:10:20 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/6/2009 10:10:20 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/6/2009 10:10:20 PM
Surr: 4-Bromofluorobenzene	99.3	66.8-139		%REC	1	7/6/2009 10:10:20 PM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	590	3.0		mg/Kg	10	6/30/2009 6:30:38 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	6/29/2009

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-02

Client Sample ID: AH #1 1'
Collection Date: 6/25/2009 9:35:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/6/2009 10:40:36 PM
Toluene	ND	0.050		mg/Kg	1	7/6/2009 10:40:36 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/6/2009 10:40:36 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/6/2009 10:40:36 PM
Surr: 4-Bromofluorobenzene	98.4	66.8-139		%REC	1	7/6/2009 10:40:36 PM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	550	3.0		mg/Kg	10	6/30/2009 6:48:03 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	29	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-03

Client Sample ID: AH #1 2'
Collection Date: 6/25/2009 9:50:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/6/2009 11:11:07 PM
Toluene	ND	0.050		mg/Kg	1	7/6/2009 11:11:07 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/6/2009 11:11:07 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/6/2009 11:11:07 PM
Surr: 4-Bromofluorobenzene	110	66.8-139		%REC	1	7/6/2009 11:11:07 PM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	91	3.0		mg/Kg	10	6/30/2009 7:05:27 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	62	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-04

Client Sample ID: AH #1 3'
Collection Date: 6/25/2009 10:25:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/6/2009 11:41:31 PM
Toluene	ND	0.050		mg/Kg	1	7/6/2009 11:41:31 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/6/2009 11:41:31 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/6/2009 11:41:31 PM
Surr: 4-Bromofluorobenzene	93.6	66.8-139		%REC	1	7/6/2009 11:41:31 PM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	250	3.0		mg/Kg	10	6/30/2009 7:57:41 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	97	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-05

Client Sample ID: AH #2 6"
Collection Date: 6/25/2009 10:00:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/7/2009 12:11:57 AM
Toluene	ND	0.050		mg/Kg	1	7/7/2009 12:11:57 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/7/2009 12:11:57 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/7/2009 12:11:57 AM
Surr: 4-Bromofluorobenzene	90.9	66.8-139		%REC	1	7/7/2009 12:11:57 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	29	3.0		mg/Kg	10	6/30/2009 8:15:05 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	170	20		mg/Kg	1	6/29/2009

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-06

Client Sample ID: AH #2 1'
Collection Date: 6/25/2009 10:05:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/7/2009 12:42:22 AM
Toluene	ND	0.050		mg/Kg	1	7/7/2009 12:42:22 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/7/2009 12:42:22 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/7/2009 12:42:22 AM
Surr: 4-Bromofluorobenzene	93.9	66.8-139		%REC	1	7/7/2009 12:42:22 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	120	3.0		mg/Kg	10	6/30/2009 8:32:31 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	190	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-07

Client Sample ID: AH #2 2'
Collection Date: 6/25/2009 10:15:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/7/2009 1:12:46 AM
Toluene	ND	0.050		mg/Kg	1	7/7/2009 1:12:46 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/7/2009 1:12:46 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/7/2009 1:12:46 AM
Surr: 4-Bromofluorobenzene	94.3	66.8-139		%REC	1	7/7/2009 1:12:46 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	260	3.0		mg/Kg	10	6/30/2009 8:49:55 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	130	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-08

Client Sample ID: AH #3 6"
Collection Date: 6/25/2009 10:35:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/7/2009 1:43:05 AM
Toluene	ND	0.050		mg/Kg	1	7/7/2009 1:43:05 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/7/2009 1:43:05 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/7/2009 1:43:05 AM
Surr: 4-Bromofluorobenzene	87.9	66.8-139		%REC	1	7/7/2009 1:43:05 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	76	3.0		mg/Kg	10	6/30/2009 9:07:19 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	280	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-09

Client Sample ID: AH #3 1'
Collection Date: 6/25/2009 10:40:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		mg/Kg	20	7/7/2009 3:44:22 AM
Toluene	ND	1.0		mg/Kg	20	7/7/2009 3:44:22 AM
Ethylbenzene	ND	1.0		mg/Kg	20	7/7/2009 3:44:22 AM
Xylenes, Total	ND	2.0		mg/Kg	20	7/7/2009 3:44:22 AM
Surr: 4-Bromofluorobenzene	78.1	66.8-139		%REC	20	7/7/2009 3:44:22 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	74	1.5		mg/Kg	5	6/30/2009 9:24:43 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	2300	400		mg/Kg	20	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-10

Client Sample ID: AH #3 2'
Collection Date: 6/25/2009 10:50:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.10		mg/Kg	2	7/7/2009 4:14:34 AM
Toluene	ND	0.10		mg/Kg	2	7/7/2009 4:14:34 AM
Ethylbenzene	ND	0.10		mg/Kg	2	7/7/2009 4:14:34 AM
Xylenes, Total	ND	0.20		mg/Kg	2	7/7/2009 4:14:34 AM
Surr: 4-Bromofluorobenzene	85.1	66.8-139		%REC	2	7/7/2009 4:14:34 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	56	1.5		mg/Kg	5	7/1/2009 2:36:49 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	450	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-11

Client Sample ID: AH #4 6"
Collection Date: 6/25/2009 11:00:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	7/7/2009 4:45:01 AM
Toluene	ND	0.050		mg/Kg	1	7/7/2009 4:45:01 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/7/2009 4:45:01 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/7/2009 4:45:01 AM
Surr: 4-Bromofluorobenzene	95.0	66.8-139		%REC	1	7/7/2009 4:45:01 AM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	260	3.0		mg/Kg	10	7/1/2009 4:56:06 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	220	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-12

Client Sample ID: AH #4 1'
Collection Date: 6/25/2009 11:05:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.10		mg/Kg	2	7/7/2009 12:03:38 PM
Toluene	ND	0.10		mg/Kg	2	7/7/2009 12:03:38 PM
Ethylbenzene	ND	0.10		mg/Kg	2	7/7/2009 12:03:38 PM
Xylenes, Total	ND	0.20		mg/Kg	2	7/7/2009 12:03:38 PM
Surr: 4-Bromofluorobenzene	92.8	66.8-139		%REC	2	7/7/2009 12:03:38 PM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	110	3.0		mg/Kg	10	7/1/2009 5:13:30 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	970	200		mg/Kg	10	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Jul-09

CLIENT: Safety & Environmental Solutions
Lab Order: 0906548
Project: South Langlie #11
Lab ID: 0906548-13

Client Sample ID: AH #4 2'
Collection Date: 6/25/2009 11:15:00 AM
Date Received: 6/26/2009
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.10		mg/Kg	2	7/7/2009 12:34:06 PM
Toluene	ND	0.10		mg/Kg	2	7/7/2009 12:34:06 PM
Ethylbenzene	ND	0.10		mg/Kg	2	7/7/2009 12:34:06 PM
Xylenes, Total	ND	0.20		mg/Kg	2	7/7/2009 12:34:06 PM
Surr: 4-Bromofluorobenzene	89.6	66.8-139		%REC	2	7/7/2009 12:34:06 PM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	130	3.0		mg/Kg	10	7/1/2009 5:48:19 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	480	20		mg/Kg	1	6/29/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

QA/QC SUMMARY REPORT

Client: Safety & Environmental Solutions
Project: South Langlie #11

Work Order: 0906548

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: 0906548-09AMSD		MSD							
Chloride	90.34	mg/Kg	1.5	106	53.9	146	1.21	20	
Sample ID: 0906548-10AMSD		MSD							
Chloride	79.83	mg/Kg	1.5	156	53.9	146	1.44	20	S
Sample ID: MB-19510		MBLK							
Chloride	ND	mg/Kg	0.30						
Sample ID: MB-19519		MBLK							
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-19510		LCS							
Chloride	14.61	mg/Kg	0.30	97.4	90	110			
Sample ID: LCS-19519		LCS							
Chloride	14.80	mg/Kg	0.30	98.7	90	110			
Sample ID: 0906548-09AMS		MS							
Chloride	89.25	mg/Kg	1.5	98.7	53.9	146			
Sample ID: 0906548-10AMS		MS							
Chloride	78.69	mg/Kg	1.5	149	53.9	146			S
Method: EPA Method 418.1: TPH									
Sample ID: MB-19489		MBLK							
Petroleum Hydrocarbons, TR	ND	mg/Kg	20						
Sample ID: LCS-19489		LCS							
Petroleum Hydrocarbons, TR	97.12	mg/Kg	20	97.1	82	114			
Sample ID: LCSD-19489		LCSD							
Petroleum Hydrocarbons, TR	98.22	mg/Kg	20	98.2	82	114	1.13	20	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Safety & Environmental Solutions
 Project: South Langlie #11

Work Order: 0906548

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0906548-02A MSD									
		MSD			Batch ID: 19482		Analysis Date: 7/7/2009 5:45:48 AM		
Benzene	0.9171	mg/Kg	0.050	91.2	78.8	132	4.96	27	
Toluene	0.9247	mg/Kg	0.050	92.5	78.9	112	3.63	19	
Ethylbenzene	0.9964	mg/Kg	0.050	99.6	69.3	125	3.91	10	
Xylenes, Total	2.953	mg/Kg	0.10	98.4	73	128	3.36	13	
Sample ID: MB-19482									
		MBLK			Batch ID: 19482		Analysis Date: 7/6/2009 5:36:33 PM		
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: LCS-19482									
		LCS			Batch ID: 19482		Analysis Date: 7/6/2009 5:06:08 PM		
Benzene	0.9523	mg/Kg	0.050	93.7	78.8	132			
Toluene	0.9481	mg/Kg	0.050	94.8	78.9	112			
Ethylbenzene	1.011	mg/Kg	0.050	101	69.3	125			
Xylenes, Total	3.057	mg/Kg	0.10	102	73	128			
Sample ID: 0906548-02A MS									
		MS			Batch ID: 19482		Analysis Date: 7/7/2009 5:15:22 AM		
Benzene	0.8727	mg/Kg	0.050	86.7	78.8	132			
Toluene	0.8917	mg/Kg	0.050	89.2	78.9	112			
Ethylbenzene	0.9582	mg/Kg	0.050	95.8	69.3	125			
Xylenes, Total	2.856	mg/Kg	0.10	95.2	73	128			

Qualifiers:

E Estimated value
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name SAFETY ENV SOLUTIONS

Date Received:

6/26/2009

Work Order Number 0906548

Received by: TLS

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

0.3°

<6° C Acceptable

If given sufficient time to cool.

Number of preserved
bottles checked for
pH:

<2 >12 unless noted
below.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

CHAIN-OF-CUSTODY RECORD

Client: SEST

Address: 703 E Clinton
Hobbs pm

Phone #: 575-397-0510
 Fax #: OFFICE @ SEST-nm.com

QA/QC Package:
 Std ☒ Level 4 ☐

Other:

Project Name:

South Langhe #11

Project #:

BCD-09-002

Project Manager:

Isaac Lincoln

Sampler:

Isaac Lincoln

Sample Temperature:

.03

Number/Volume

HEAL No.

0900548

13

Matrix

6/25/09 11:15 Soil AH#4 21

Time

Sample I.D. No.

Preservative

HgCl₂ HNO₃

1

Date:

6/25/09 15:34

Date:

Relinquished By: (Signature)

[Signature]

Relinquished By: (Signature)

Received By: (Signature)

[Signature]

Received By: (Signature)

Remarks:

ANALYSIS REQUEST

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gasoline Only)

TPH Method 8015B (Gas/Diesel)

TPH (Method 418.1)

EDB (Method 504.1)

EDC (Method 8021)

8310 (PNA or PAH)

PCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / PCB's (8082)

8260B (VOA)

8270 (Semi-VOA)

Chlorides

13 Test

Air Bubbles or Headspace (Y or N)