

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Ave., Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

11705

- Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Modification to an existing permit
 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1
Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538
 Address: PO Box 4289, Farmington, NM 87499
 Facility or well name: Atlantic A 8B
 API Number: 30-045-35086 OCD Permit Number: _____
 U/L or Qtr/Qtr: E(SW/NW) Section: 29 Township 31N Range: 10W County: SAN JUAN
 Center of Proposed Design: Latitude: 36.87146 °N Longitude: 107.91064 °W NAD: 1983
 Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2
 Pit: Subsection F or G of 19.15.17.11 NMAC
 Temporary: Drilling Workover
 Permanent Emergency Cavitation P&A (Pre-set)
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVC Other _____
 String-Reinforced
 Liner Seams: Welded Factory Other _____ Volume: _____ bbl Dimensions L _____ x W _____ x D _____

RCVD JAN 30 '14
OIL CONS. DIV.
DIST. 3

3
 Closed-loop System: Subsection H of 19.15.17.11 NMAC
 Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
 Drying Pad Above Ground Steel Tanks Haul-off Bins Other _____
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVD Other _____
 Liner Seams: Welded Factory Other _____

4
 Below-grade tank: Subsection I of 19.15.17.11 NMAC
 Volume: _____ bbl Type of fluid: _____
 Tank Construction material: _____
 Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
 Visible sidewalls and liner Visible sidewalls only Other _____
 Liner Type: Thickness _____ mil HDPE PVC Other _____

5
 Alternative Method:
 Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

PC
16
A

6 **Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pit, temporary pits, and below-grade tanks*)

Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify _____

7 **Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

Screen Netting Other _____

Monthly inspections (*If netting or screening is not physically feasible*)

8 **Signs:** Subsection C of 19.15.17.11 NMAC

12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.3.103 NMAC

9 **Administrative Approvals and Exceptions:**
 Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.
 Please check a box if one or more of the following is requested, if not leave blank:

Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. (Cavitation pit for Pre-set)

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10 **Siting Criteria (regarding permitting):** 19.15.17.10 NMAC
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applied to permanent pits</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)

Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: Envirotech / JFJ Landfarm % IEI Disposal Facility Permit #: NM-01-0011 / NM-01-0010B

Disposal Facility Name: Basin Disposal Facility Disposal Facility Permit #: NM-01-005

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and Yes (If yes, please provide the information) No

Required for impacted areas which will not be used for future service and operations:

- Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Siting Criteria (Regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of the initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
- Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____
Signature: _____ Date: _____
e-mail address: _____ Telephone: _____

#

OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)

OCD Representative Signature: Jonathan D. Kelly Approval Date: 2/21/2014

Title: Compliance Officer OCD Permit Number: _____

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Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

Closure Completion Date: 6/29/2010

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Closure Method:

Waste Excavation and Removal On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
 If different from approved plan, please explain.

#

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?

Yes (If yes, please demonstrate compliance to the items below) No

Required for impacted areas which will not be used for future service and operations:

Site Reclamation (Photo Documentation)

Soil Backfilling and Cover Installation

Re-vegetation Application Rates and Seeding Technique

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Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.

- Proof of Closure Notice (surface owner and division)
- Proof of Deed Notice (required for on-site closure)
- Plot Plan (for on-site closures and temporary pits)
- Confirmation Sampling Analytical Results (if applicable)
- Waste Material Sampling Analytical Results (if applicable)
- Disposal Facility Name and Permit Number
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique
- Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude: 36.87146 Longitude: 107.91064 NAD 1927 1983

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Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Kenny Davis Title: Staff Regulatory Technician

Signature: [Signature] Date: 1/29/2014

e-mail address: kenny_r.davis@conocophillips.com Telephone: 505-599-4045

Burlington Resources Oil & Gas Company, LP Cavitation Pit for Closed-Loop Locations

Design: Atlantic A 8B

Burlington Resources Oil & Gas Company, LP will use a cavitation pit plan when the surface casing will be pre-set on closed-loop locations. The drill cuttings will be stockpiled on the surface.

Operations and Maintenance:

The cavitation pit will be operated and maintained as follows:

1. Only Fresh water and air will be used in the drilling of the surface casing.
2. The Cement used will be: Neat Cement with no additives.
3. All of the fluids will be removed within 48hrs after drilling.
4. A representative five point composite sample will be taken of the drill cuttings, after the setting of the surface casing is complete, using sampling tools and all samples will be tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the testing criteria is not met, all contents will be dug and hauled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e.

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	500

5. The NMOCD will be notified via email of the test results of the cavitation surface as follows:

Components	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	ND
BTEX	EPA SW-846 8021B or 8260B	50	.86
TPH	EPA SW-846 418.1	2500	120
GRO/DRO	EPA SW-846 8015M	500	13
Chlorides	EPA 300.1	500	ND

Closure Plan:

1. The NMOCD will be notified of the sample results and the intent to start the closure process 3-7 days prior to the drill cuttings being transported, moved, or distributed on location.
2. In the event the criteria are not met, all solids and liquids will be removed and disposed of at Envirotech (Permit #NM-01-0011) and/or Basin Disposal Facility (Permit #NM-01-005) and/or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B).
3. Testing results will be submitted with the Closure Report of the well locations Closed-Loop Permit on Form C-144.

Burlington Resources is aware that approval of this plan does not relieve Burlington Resources of liability should operations result in pollution of surface water, ground water, or the environment. Nor does approval relieve ConocoPhillips of its responsibility to comply with any other applicable governmental authority's rules and regulations.



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 16548

Samples Received: 1/23/2014 7:35:00AM

Job Number: 96052-1706

Work Order: P401064

Project Name/Location: Atlantic A 8B

Entire Report Reviewed By:

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

Date: 1/28/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



ConocoPhillips	Project Name:	Atlantic A 8B	Reported: 28-Jan-14 13:50
PO Box 2200	Project Number:	96052-1706	
Bartlesville OK, 74005	Project Manager:	Kenny R Davis	

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Preset Closure	P401064-01A	Soil	01/20/14	01/23/14	Glass Jar, 4 oz.

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Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips PO Box 2200 Bartlesville OK, 74005	Project Name: Atlantic A 8B Project Number: 96052-1706 Project Manager: Kenny R Davis	Reported: 28-Jan-14 13:50
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**Preset Closure
P401064-01 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatiles Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8021B	
p,m-Xylene	0.77	0.05	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8021B	
o-Xylene	0.09	0.05	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8021B	
Total Xylenes	0.86	0.05	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8021B	
Total BTEX	0.86	0.05	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		88.8 %		80-120	1404018	01/23/14	01/27/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		94.2 %		80-120	1404018	01/23/14	01/27/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	13.0	4.99	mg/kg	1	1404018	01/23/14	01/27/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1404019	01/23/14	01/27/14	EPA 8015D	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	120	20.0	mg/kg	1	1404023	01/23/14	01/23/14	EPA 418.1	
Cation/Anion Analysis									
Chloride	ND	9.96	mg/kg	1	1404021	01/23/14	01/23/14	EPA 300.0	

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ConocoPhillips
 PO Box 2200
 Bartlesville OK, 74005

Project Name: Atlantic A 8B
 Project Number: 96052-1706
 Project Manager: Kenny R Davis

Reported:
 28-Jan-14 13:50

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 1404018 - Purge and Trap EPA 5030A

Blank (1404018-BLK1)

Prepared: 22-Jan-14 Analyzed: 27-Jan-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	45.7		ug/L	50.0		91.4	80-120			
Surrogate: Bromochlorobenzene	46.0		"	50.0		92.1	80-120			

Duplicate (1404018-DUP1)

Source: P401062-01

Prepared: 22-Jan-14 Analyzed: 27-Jan-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	1.81	0.05	"		1.78			1.64	30	
Ethylbenzene	1.08	0.05	"		1.04			3.50	30	
p,m-Xylene	15.5	0.05	"		15.1			2.58	30	
o-Xylene	3.42	0.05	"		3.30			3.79	30	
Surrogate: 1,3-Dichlorobenzene	66.5		ug/L	50.0		133	80-120			S-02
Surrogate: Bromochlorobenzene	56.1		"	50.0		112	80-120			

Matrix Spike (1404018-MS1)

Source: P401062-01

Prepared: 22-Jan-14 Analyzed: 27-Jan-14

Benzene	45.6		ug/L	50.0	ND	91.2	39-150			
Toluene	87.2		"	50.0	35.6	103	46-148			
Ethylbenzene	74.4		"	50.0	20.9	107	32-160			
p,m-Xylene	428		"	100	303	126	46-148			
o-Xylene	120		"	50.0	66.0	109	46-148			
Surrogate: 1,3-Dichlorobenzene	69.0		"	50.0		138	80-120			S-02
Surrogate: Bromochlorobenzene	59.8		"	50.0		120	80-120			

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ConocoPhillips	Project Name:	Atlantic A 8B	Reported:
PO Box 2200	Project Number:	96052-1706	28-Jan-14 13:50
Bartlesville OK, 74005	Project Manager:	Kenny R Davis	

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 1404018 - Purge and Trap EPA 5030A										
Blank (1404018-BLK1)				Prepared: 22-Jan-14 Analyzed: 27-Jan-14						
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg							
Duplicate (1404018-DUP1)				Source: P401062-01 Prepared: 22-Jan-14 Analyzed: 27-Jan-14						
Gasoline Range Organics (C6-C10)	139	4.99	mg/kg		137			1.35	30	
Matrix Spike (1404018-MS1)				Source: P401062-01 Prepared: 22-Jan-14 Analyzed: 27-Jan-14						
Gasoline Range Organics (C6-C10)	3.51		mg/L	0.450	2.75	169	75-125			SPK1

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ConocoPhillips PO Box 2200 Bartlesville OK, 74005	Project Name: Atlantic A 8B Project Number: 96052-1706 Project Manager: Kenny R Davis	Reported: 28-Jan-14 13:50
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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 1404019 - DRO Extraction EPA 3550C										
Blank (1404019-BLK1) Prepared: 22-Jan-14 Analyzed: 27-Jan-14										
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg							
Duplicate (1404019-DUP1) Source: P401062-01 Prepared: 22-Jan-14 Analyzed: 27-Jan-14										
Diesel Range Organics (C10-C28)	236	30.0	mg/kg		380			46.7	30	D1
Matrix Spike (1404019-MS1) Source: P401062-01 Prepared: 22-Jan-14 Analyzed: 27-Jan-14										
Diesel Range Organics (C10-C28)	453	30.0	mg/kg	49.9	380	147	75-125			SPK1

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ConocoPhillips	Project Name:	Atlantic A 8B	Reported:
PO Box 2200	Project Number:	96052-1706	28-Jan-14 13:50
Bartlesville OK, 74005	Project Manager:	Kenny R Davis	

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1404023 - 418 Freon Extraction										
Blank (1404023-BLK1)										
					Prepared & Analyzed: 23-Jan-14					
Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
Duplicate (1404023-DUP1)										
					Source: P401051-01 Prepared & Analyzed: 23-Jan-14					
Total Petroleum Hydrocarbons	74600	200	mg/kg		72800			2.48	30	
Matrix Spike (1404023-MS1)										
					Source: P401051-01 Prepared & Analyzed: 23-Jan-14					
Total Petroleum Hydrocarbons	21000		mg/L	500	18200	553	80-120			SPK1

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ConocoPhillips	Project Name:	Atlantic A 8B	
PO Box 2200	Project Number:	96052-1706	Reported:
Bartlesville OK, 74005	Project Manager:	Kenny R Davis	28-Jan-14 13:50

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 1404021 - Anion Extraction EPA 300.0										
Blank (1404021-BLK1) Prepared & Analyzed: 23-Jan-14										
Chloride	ND	9.94	mg/kg							
LCS (1404021-BS1) Prepared & Analyzed: 23-Jan-14										
Chloride	489	9.87	mg/kg	494		99.1	90-110			
Matrix Spike (1404021-MS1) Source: P401059-01 Prepared & Analyzed: 23-Jan-14										
Chloride	646	9.88	mg/kg	494	167	97.0	80-120			
Matrix Spike Dup (1404021-MSD1) Source: P401059-01 Prepared & Analyzed: 23-Jan-14										
Chloride	640	9.92	mg/kg	496	167	95.4	80-120	0.879	20	

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ConocoPhillips	Project Name:	Atlantic A 8B	Reported: 28-Jan-14 13:50
PO Box 2200	Project Number:	96052-1706	
Bartlesville OK, 74005	Project Manager:	Kenny R Davis	

Notes and Definitions

- SPK1 The spike recovery for this QC sample is outside of control limits.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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CHAIN OF CUSTODY RECORD

16548

Client: CONOCO PHILLIPS			Project Name / Location: ATLANTIC A #8B			ANALYSIS / PARAMETERS														
Email results to: KENNY.R.DAVIS@CONOCOPHILLIPS.COM			Sampler Name: JARED CHAVEZ			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) 599-4045			Client No.: 96092-1706																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HNO ₃	HCl														
PRESET CLOSURE	1/20/14	9:30AM	PH01064-01	1-4oz				XX											XX	XX
Relinquished by: (Signature) <i>[Signature]</i>				Date	Time	Received by: (Signature) <i>Miriam Joe</i>				Date	Time									
Relinquished by: (Signature)						Received by: (Signature)														
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.				13.3°C								AMØ2476915 KGARCIA								