

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	ConocoPhillips Company	Contact	Gwen R. Frost
Address	3401 E. 30 th St., Farmington, NM 87402	Telephone No.	505-326-9549
Facility Name	San Juan 32-7 #19A	Facility Type	Gas Well
		API #	30-045-34475
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	SF-078996

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	4	T31N	R07W	661'	North	1450'	East	San Juan

Latitude 36.929245° N Longitude 107.571752W

NATURE OF RELEASE

Type of Release – Produced Water	Volume of Release – estimated 5 BBL produced water	Volume Recovered – 0 BBL Produced Water
Source of Release: Drilling Pit	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 6/11/09 – 5:00 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required NMOCD via phone & e-mail on 6-12-09	If YES, To Whom? OCD - Brandon Powell via e-mail BLM - Kevin Schneider via e-mail RCVD FEB 3 '10	
By Whom? Gwen Frost	Date and Hour – 6/18/09 – 4:00 p.m.	OIL CONS. DIV.
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **On June 11, 2009, during completion activities, at the SJ 32-7 #19A, T31N R07W Sec 4, Unit G, radiant heat melted an edge of the pit liner & approximately 5 BBL of produced water was able to flow under the liner. The liner has been repaired in order to continue with completion activities.**

Describe Area Affected and Cleanup Action Taken.* **All of the spilled fluids remained on location. The soil under the pit liner was sampled & no further action is needed per the analytical results (attached) based on site ranking criteria submitted for pit closure.**

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>Gwen R. Frost</i>	OIL CONSERVATION DIVISION	
Printed Name: Gwen R. Frost	Approved by District Supervisor: <i>Bob Bell</i> For: <i>CP</i>	
Title: Environmental Engineer	Approval Date: <i>4/9/10</i>	Expiration Date:
E-mail Address: gwendolynne.frost@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 9/11/09	Phone: 505-326-9549	

* Attach Additional Sheets If Necessary

NRMB 1010257007

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

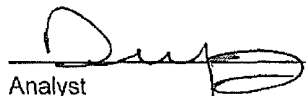
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Reserve Pit	Date Reported:	08-25-09
Laboratory Number:	51378	Date Sampled:	08-18-09
Chain of Custody No:	7801	Date Received:	08-21-09
Sample Matrix:	Soil	Date Extracted:	08-24-09
Preservative:	Cool	Date Analyzed:	08-25-09
Condition:	Intact	Analysis Requested:	8015 TPH

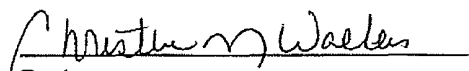
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	23.1	0.1
Total Petroleum Hydrocarbons	23.1	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: SJ 32-7 #19A


Analyst


Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

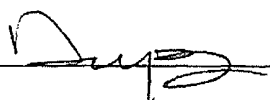
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Underneath Pit Liner	Date Reported:	08-25-09
Laboratory Number:	51379	Date Sampled:	08-18-09
Chain of Custody No:	7801	Date Received:	08-21-09
Sample Matrix:	Soil	Date Extracted:	08-24-09
Preservative:	Cool	Date Analyzed:	08-25-09
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **SJ 32-7 #19A**


Analyst


Review



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

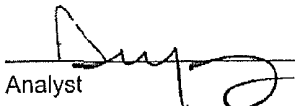
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Background	Date Reported:	08-25-09
Laboratory Number:	51380	Date Sampled:	08-18-09
Chain of Custody No:	7801	Date Received:	08-21-09
Sample Matrix:	Sludge	Date Extracted:	08-24-09
Preservative:	Cool	Date Analyzed:	08-25-09
Condition:	Intact	Analysis Requested:	8015 TPH

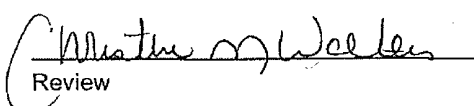
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **SJ 32-7 #19A**


Analyst


Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-25-09 QA/QC	Date Reported:	08-26-09
Laboratory Number:	51375	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-25-09
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.1162E+003	1.1166E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.1121E+003	1.1125E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	54.1	51.8	4.3%	0 - 30%
Diesel Range C10 - C28	1,420	1,400	1.5%	0 - 30%

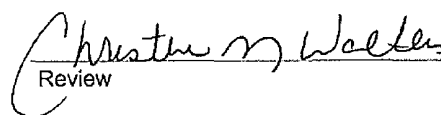
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	54.1	250	308	101%	75 - 125%
Diesel Range C10 - C28	1,420	250	1,650	98.8%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 51375 - 51384

Analyst 

Review 



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Reserve Pit	Date Reported:	08-26-09
Laboratory Number:	51378	Date Sampled:	08-18-09
Chain of Custody:	7801	Date Received:	08-21-09
Sample Matrix:	Soil	Date Analyzed:	08-25-09
Preservative:	Cool	Date Extracted:	08-24-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	7.0	1.0
Ethylbenzene	3.3	1.0
p,m-Xylene	18.0	1.2
o-Xylene	9.1	0.9
Total BTEX	37.4	

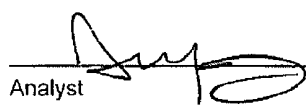
ND - Parameter not detected at the stated detection limit.

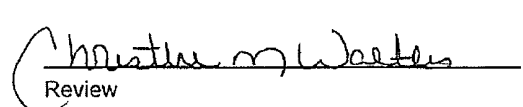
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: SJ 32-7 #19A


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Underneath Pit Liner	Date Reported:	08-26-09
Laboratory Number:	51379	Date Sampled:	08-18-09
Chain of Custody:	7801	Date Received:	08-21-09
Sample Matrix:	Soil	Date Analyzed:	08-25-09
Preservative:	Cool	Date Extracted:	08-24-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	3.0	1.0
Ethylbenzene	1.1	1.0
p,m-Xylene	2.6	1.2
o-Xylene	2.8	0.9
Total BTEX	9.5	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: SJ 32-7 #19A

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Background	Date Reported:	08-26-09
Laboratory Number:	51380	Date Sampled:	08-18-09
Chain of Custody:	7801	Date Received:	08-21-09
Sample Matrix:	Sludge	Date Analyzed:	08-25-09
Preservative:	Cool	Date Extracted:	08-24-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	3.2	1.0
Ethylbenzene	1.3	1.0
p,m-Xylene	2.2	1.2
o-Xylene	2.5	0.9
Total BTEX	9.2	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: SJ 32-7 #19A

Analyst

Review



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	08-25-BT QA/QC	Date Reported:	08-26-09
Laboratory Number:	51375	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-25-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	4.0333E+006	4.0414E+006	0.2%	ND	0.1
Toluene	3.7583E+006	3.7658E+006	0.2%	ND	0.1
Ethylbenzene	3.3618E+006	3.3685E+006	0.2%	ND	0.1
p,m-Xylene	8.6940E+006	8.7114E+006	0.2%	ND	0.1
o-Xylene	3.2279E+006	3.2344E+006	0.2%	ND	0.1

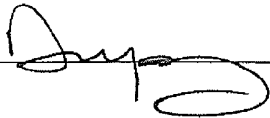
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	11.3	11.0	2.7%	0 - 30%	0.9
Toluene	28.5	28.8	1.1%	0 - 30%	1.0
Ethylbenzene	21.1	20.4	3.3%	0 - 30%	1.0
p,m-Xylene	123	122	0.5%	0 - 30%	1.2
o-Xylene	47.7	46.9	1.7%	0 - 30%	0.9

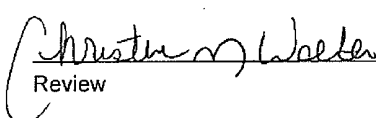
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	11.3	50.0	60.5	98.7%	39 - 150
Toluene	28.5	50.0	77.9	99.2%	46 - 148
Ethylbenzene	21.1	50.0	69.6	97.9%	32 - 160
p,m-Xylene	123	100	214	95.9%	46 - 148
o-Xylene	47.7	50.0	95.9	98.2%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 51375 - 51384.

Analyst 


Review



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Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Reserve Pit	Date Reported:	08-24-09
Laboratory Number:	51378	Date Sampled:	08-18-09
Chain of Custody No:	7801	Date Received:	08-21-09
Sample Matrix:	Soil	Date Extracted:	08-24-09
Preservative:	Cool	Date Analyzed:	08-24-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	132	19.9

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: SJ 32-7 #19A

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Underneath Pit Liner	Date Reported:	08-24-09
Laboratory Number:	51379	Date Sampled:	08-18-09
Chain of Custody No:	7801	Date Received:	08-21-09
Sample Matrix:	Soil	Date Extracted:	08-24-09
Preservative:	Cool	Date Analyzed:	08-24-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	55.1	19.9

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: SJ 32-7 #19A

Analyst

Review

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Background	Date Reported:	08-24-09
Laboratory Number:	51380	Date Sampled:	08-18-09
Chain of Custody No:	7801	Date Received:	08-21-09
Sample Matrix:	Sludge	Date Extracted:	08-24-09
Preservative:	Cool	Date Analyzed:	08-24-09
Condition:	Intact	Analysis Needed:	TPH-418.1

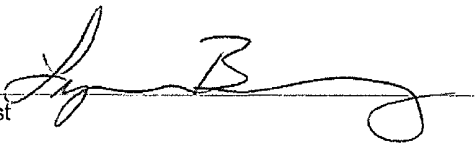
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	21.0	19.9

ND = Parameter not detected at the stated detection limit.

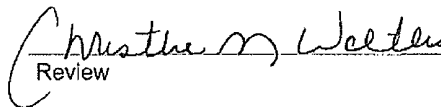
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **SJ 32-7 #19A**

Analyst



Review





EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-24-09
Laboratory Number:	08-24-TPH.QA/QC 51376	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-24-09
Preservative:	N/A	Date Extracted:	08-24-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	08-03-09	08-24-09	1,380	1,490	8.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	19.9

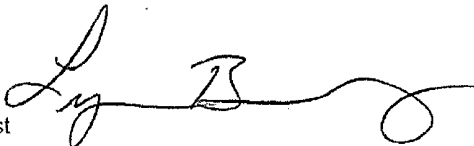
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	82.7	88.2	6.7%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	82.7	2,000	1,990	95.5%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 51376 - 51384.

Analyst 

Review



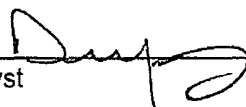
Chloride

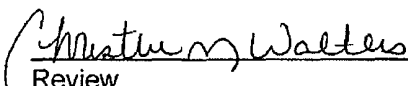
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Reserve Pit	Date Reported:	08-26-09
Lab ID#:	51378	Date Sampled:	08-18-09
Sample Matrix:	Soil	Date Received:	08-21-09
Preservative:	Cool	Date Analyzed:	08-25-09
Condition:	Intact	Chain of Custody:	7801

Parameter	Concentration (mg/Kg)
Total Chloride	945

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: SJ 32-7 #19A.

Analyst 

Review 



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Analytical Laboratory

Chloride

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Underneath Pit Liner	Date Reported:	08-26-09
Lab ID#:	51379	Date Sampled:	08-18-09
Sample Matrix:	Soil	Date Received:	08-21-09
Preservative:	Cool	Date Analyzed:	08-25-09
Condition:	Intact	Chain of Custody:	7801

Parameter	Concentration (mg/Kg)
Total Chloride	420

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **SJ 32-7 #19A.**

Analyst

Review



Chloride

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Background	Date Reported:	08-26-09
Lab ID#:	51380	Date Sampled:	08-18-09
Sample Matrix:	Sludge	Date Received:	08-21-09
Preservative:	Cool	Date Analyzed:	08-25-09
Condition:	Intact	Chain of Custody:	7801

Parameter	Concentration (mg/Kg)
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Total Chloride

5

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: SJ 32-7 #19A.

Analyst

Review

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com