

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 32-8 #301 SWD	Facility Type	SWD
		API #	30-045-27935
Surface Owner	State	Mineral Owner	State
		Lease No.	E-5113-21

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	16	T31N	R08W	1643'	South	1006'	West	San Juan

Latitude 36.89462° N Longitude 107.685880° W

NATURE OF RELEASE

Type of Release – Produced Water	Volume of Release – 120 BBL	Volume Recovered – 119 BBL
Source of Release: Tank Overflow	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 5/26/09 – 10:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD - Brandon Powell via phone call & e-mail	
By Whom? Gwen Frost	Date and Hour – 5/26/09 – 4:20 p.m.	RCUD, III 12/09
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV. DIST. 2
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken.* **On May 26, 2009, approximately 120 BBLS of produced water was released due to the #1 piston stuffing box vibrating loose and causing a leak in the injection building pump house. The fluid went out the drain line to the recovery/drain pit that overflowed the water pit into the berm. Upon discovery, COPC shut down the pumps & isolated the suction & discharge valves.**

Describe Area Affected and Cleanup Action Taken.* **All of the spilled fluids remained on location in the berm and approximately 119 BBLS produced water was recovered by Triple S Trucking and was disposed of at a commercial facility. The impacted soil was sampled for environmental impact & no remediation is necessary. To prevent reoccurrence, COPC will continue to monitor equipment function.**

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>Charlie Perrin</i>
Title: Environmental Engineer	Approval Date: 7/13/09	Expiration Date:
E-mail Address: gwendolynne.frost@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/09/09	Phone: 505-326-9549	

* Attach Additional Sheets If Necessary

Incident # nrm0926040678



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

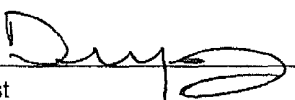
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-8 #301 SWD	Date Reported:	07-06-09
Laboratory Number:	50753	Date Sampled:	06-29-09
Chain of Custody No:	6628	Date Received:	07-01-09
Sample Matrix:	Soil	Date Extracted:	07-01-09
Preservative:		Date Analyzed:	07-02-09
Condition:	Intact	Analysis Requested:	8015 TPH

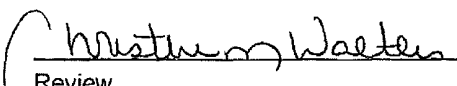
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Spill Produced H2O.**


Analyst


Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-02-09 QA/QC	Date Reported:	07-06-09
Laboratory Number:	50747	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-09
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	1.0631E+003	1.0635E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0908E+003	1.0912E+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	4.1	4.1	0.0%	0 - 30%
Diesel Range C10 - C28	7.5	7.5	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	4.1	250	257	101%	75 - 125%
Diesel Range C10 - C28	7.5	250	252	97.7%	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 50744, 50747, and 50751 - 50758.

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-8 #301 SWD	Date Reported:	07-06-09
Laboratory Number:	50753	Date Sampled:	06-29-09
Chain of Custody:	6628	Date Received:	07-01-09
Sample Matrix:	Soil	Date Analyzed:	07-02-09
Preservative:		Date Extracted:	07-01-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	3.5	1.0
Ethylbenzene	1.1	1.0
p,m-Xylene	7.9	1.2
o-Xylene	4.2	0.9
Total BTEX	16.7	

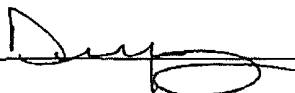
ND - Parameter not detected at the stated detection limit.

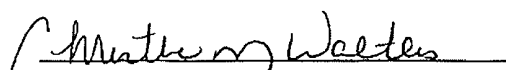
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Spill Produced H2O.


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	07-02-BT QA/QC	Date Reported:	07-06-09
Laboratory Number:	50747	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-09
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	3.4318E+006	3.4386E+006	0.2%	ND	0.1
Toluene	3.1622E+006	3.1686E+006	0.2%	ND	0.1
Ethylbenzene	2.7968E+006	2.8024E+006	0.2%	ND	0.1
p,m-Xylene	7.1592E+006	7.1736E+006	0.2%	ND	0.1
o-Xylene	2.6656E+006	2.6709E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	6.8	6.7	1.5%	0 - 30%	0.9
Toluene	12.3	12.1	1.6%	0 - 30%	1.0
Ethylbenzene	11.0	10.2	7.3%	0 - 30%	1.0
p,m-Xylene	22.8	22.3	2.2%	0 - 30%	1.2
o-Xylene	12.2	11.9	2.5%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	6.8	50.0	56.3	99.1%	39 - 150
Toluene	12.3	50.0	59.3	95.2%	46 - 148
Ethylbenzene	11.0	50.0	59.0	96.7%	32 - 160
p,m-Xylene	22.8	100	122	99.0%	46 - 148
o-Xylene	12.2	50.0	59.5	95.7%	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 50744, 50747, and 50751 - 50758.

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

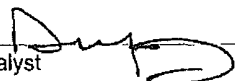
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-8 #301 SWD	Date Reported:	07-06-09
Laboratory Number:	50753	Date Sampled:	06-29-09
Chain of Custody No:	6628	Date Received:	07-01-09
Sample Matrix:	Soil	Date Extracted:	07-01-09
Preservative:		Date Analyzed:	07-01-09
Condition:	Intact	Analysis Needed:	TPH-418.1

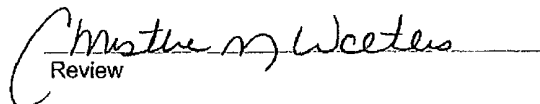
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	44.5	19.0

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: Spill Produced H2O.

Analyst 

Review 



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	07-01-09
Laboratory Number:	07-01-TPH.QA/QC 50744	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	07-01-09
Preservative:	N/A	Date Extracted:	07-01-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	06-26-09	07-01-09	1,480	1,480	0.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	19.0

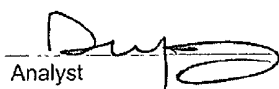
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	125	142	14.3%	+/- 30%

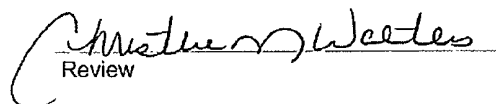
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	125	2,000	1,900	89.4%	80 - 120%

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 50744, 50747 - 50751 and 50753.


Analyst


Review



Chloride

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-8 #301 SWD	Date Reported:	07-06-09
Lab ID#:	50753	Date Sampled:	06-29-09
Sample Matrix:	Soil	Date Received:	07-01-09
Preservative:		Date Analyzed:	07-02-09
Condition:	Intact	Chain of Custody:	6628

Parameter	Concentration (mg/Kg)
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Total Chloride

340

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: **Spill Produced H2O.**

Analyst

Review

CHAIN OF CUSTODY RECORD

6626

Client: <i>ConocoPhillips</i>			Project Name / Location: <i>ST32-8#301 SWD Spill Produced H₂O</i>			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: <i>Shelly Cook-Coroden</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: <i>320-0699</i>			Client No.: <i>96052-0026</i> <i>Shelly Cook-Coroden</i>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl													
<i>ST 32-8#301 SWD</i>	<i>6/29/09</i>	<i>8:30 AM</i>	<i>50753</i>	<i>Soil</i> Solid	<i>1</i> 4oz			<i>X</i>	<i>X</i>					<i>X</i>	<i>X</i>			<i>1</i>	<i>✓</i>
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
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				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
Relinquished by: (Signature) <i>Shelly Cook-Coroden</i>				Date <i>7/1/09</i>	Time <i>1:24p</i>	Received by: (Signature) <i>Kudall Augustine</i>				Date <i>7/1/09</i>	Time <i>1:24p</i>								
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time								
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time								

AREA #4
A065031

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615