

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

30-045-29582

OPERATOR

☐ Initial Report

☒ Final Report

Name of Company	ConocoPhillips Company	Contact	Kelsi Harrington
Address	3401 E. 30 th St., Farmington, NM 87402	Telephone No.	505-599-3403
Facility Name	Newberry Com 1M	Facility Type	Gas Well API#3004529582
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	SF-078146

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	05	31N	12W	1120'	South	1850'	East	San Juan

Latitude 36.923938° N Longitude -108.11551° W

NATURE OF RELEASE

Type of Release –	Unknown	Volume of Release –	Unknown	Volume Recovered –
Source of Release:	Below Grade Tanks (2)	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery
Was Immediate Notice Given?	☐ Yes ☐ No ☒ Not Required	If YES, To Whom?		
By Whom?		Date and Hour –		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.		
If a Watercourse was Impacted, Describe Fully.*				

Describe Cause of Problem and Remedial Action Taken.* **Below grade tank closure activities for 2 below grade tanks on location .**

Describe Area Affected and Cleanup Action Taken.* **The field sample results for BGT #1 returned results above the regulatory standards for organic vapors, confirming a release. The field sample results for BGT #2 returned results above regulatory standard by USEPA method 418.1 for TPH, confirming a release. Both samples were then transported to the lab and the analytical results for both below grade tanks were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; therefore no further action is required.**

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:	Kelsi Harrington	OIL CONSERVATION DIVISION	
Printed Name:	Kelsi Harrington	Approved by District Supervisor:	<i>Jonathan D. Kelly</i>
Title:	Environmental Consultant	Approval Date:	11/30/2011
E-mail Address:	kelsi.g.harrington@conocophillips.com	Expiration Date:	
Date:	1/19/11	Conditions of Approval:	Attached ☐
Phone:	505-599-3403		

* Attach Additional Sheets If Necessary





January 18, 2011

Project Number 96052-1868

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403

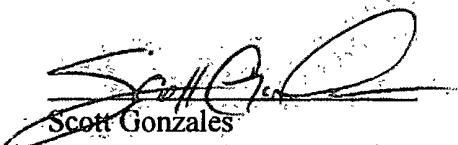
**RE: BELOW GRADE TANK CLOSURE DOCUMENTATION FOR THE NEWBERRY COM #1M
WELL SITE, SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Harrington:

Enclosed please find the field notes and analytical results for the closure of two (2) below grade tanks (BGTs) at the Newberry Com #1M well site located in Section 5, Township 31 North, Range 12 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on December 21, 2010, one (1) five (5)-point composite sample was collected from beneath each of the former BGTs. The samples were analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, for organic vapors using a photoionization detector (PID) and for chlorides. The sample collected from Pit #1 returned results above the regulatory standards for organic vapors, confirming a release had occurred. The sample collected from Pit #2 returned results above the regulatory standards for TPH confirming a release had occurred. A brief site assessment was conducted and the regulatory standards were determined to be 5000 ppm TPH and 100 ppm organic vapors due to no surface water being within 1000 feet, and groundwater being greater than 100 feet below ground surface, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. The samples were placed into four (4)-ounce glass jars, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015, for benzene and BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500. The samples returned results below the regulatory standards for all constituents analyzed; see attached **Analytical Results**. Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.



Scott Gonzales
Senior Environmental Technician
sgonzales@envirotech-inc.com

Enclosures: Field Notes
Analytical Results

Cc: Client File 96052

PAGE NO: <u>1</u> OF <u>2</u> DATE STARTED: <u>12-21-10</u> DATE FINISHED: <u>12-21-10</u>	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>SG</u> LAT: <u>36.923 944</u> LONG: <u>108.115 804</u>
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FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION:	NAME: <u>Newberry Corn</u>	WELL #: <u>1M</u>	TEMP PIT:	PERMANENT PIT:	BGT: <u>X</u>
LEGAL ADD:	UNIT: <u>0</u>	SEC: <u>5</u>	TWP: <u>31N</u>	RNG: <u>12W</u>	PM: <u>NMPM</u>
QTR/FOOTAGE:	<u>1850E + 1120</u>	CNTY: <u>Spr Tlan</u>	ST: <u>NM</u>		

EXCAVATION APPROX:	—	FT. X	—	FT. X	—	FT. DEEP	CUBIC YARDAGE: —
DISPOSAL FACILITY:	REMEDICATION METHOD: —						

LAND OWNER: <u>Federal</u>	API: <u>3004529582</u>	BGT / PIT VOLUME: <u>80</u>
CONSTRUCTION MATERIAL: <u>Steel</u>	DOUBLE-WALLED, WITH LEAK DETECTION: <u>No</u>	

LOCATION APPROXIMATELY:	<u>105</u>	FT.	<u>90°</u>	FROM WELLHEAD
DEPTH TO GROUNDWATER:	<u>7100'</u>			

TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg

TEMPORARY PIT - GROUNDWATER ≥100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg

☒ PERMANENT PIT OR BGT

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg

FIELD 418.1 ANALYSIS

TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
11:40	200 STD		—	—	—	195	
11:50	Spt Comp	1	5	20	4	253	1012
		2					
		3					
		4					
		5					
		6					

PERIMETER

FIELD CHLORIDES RESULTS

PROFILE

Pit #1 Pit #2 (BAT) (AST) (SPT) (BAT) mk (X)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>READING</th> <th>CALC. (mg/kg)</th> </tr> <tr> <td>Spt Comp</td> <td>ND</td> <td>ND</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	SAMPLE ID	READING	CALC. (mg/kg)	Spt Comp	ND	ND																												<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">PID RESULTS</th> </tr> <tr> <th>SAMPLE ID</th> <th>RESULTS (mg/kg)</th> </tr> <tr> <td>Spt Comp</td> <td>541</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	PID RESULTS		SAMPLE ID	RESULTS (mg/kg)	Spt Comp	541																
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Spt Comp	541																																																								

LAB SAMPLES	NOTES: 2-pits on-site Pit #1 site ranked 25000																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>RESULTS</th> </tr> <tr><td> </td><td>BENZENE</td><td> </td></tr> <tr><td> </td><td>BTEX</td><td> </td></tr> <tr><td> </td><td>GRO & DRO</td><td> </td></tr> <tr><td> </td><td>CHLORIDES</td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	SAMPLE ID	ANALYSIS	RESULTS		BENZENE			BTEX			GRO & DRO			CHLORIDES								3 WORKORDER # _____ WHO ORDERED _____
SAMPLE ID	ANALYSIS	RESULTS																				
	BENZENE																					
	BTEX																					
	GRO & DRO																					
	CHLORIDES																					

Client: *ConocoPhillips*



Location No:

C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 2

LOCATION: NAME: Newberry Com WELL #: 1M
QUAD/UNIT: 0 SEC: 5 TWP: 31N RNG: 12W PM: NMPM CNTY: ST NM
QTR/FOOTAGE: 1850E + 1120 CONTRACTOR:

DATE STARTED: 12-21-10

DATE FINISHED: 12-21-10

ENVIRONMENTAL
SPECIALIST: SA

EXCAVATION APPROX: — FT. X — FT. X — FT. DEEP CUBIC YARDAGE: —

DISPOSAL FACILITY: — REMEDIATION METHOD: —

LAND USE: Federal LEASE: — LAND OWNER: Federal

CAUSE OF RELEASE: BGR leak MATERIAL RELEASED: produced water / accidental oil

SPILL LOCATED APPROXIMATELY: 105 FT. 90° FROM well head

DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 7100' NEAREST SURFACE WATER: 71000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

Pit #1
36.923966°
-108.115804°

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
<i>Spt. Comp</i>	<i>11:50</i>	<i>Spt. Comp</i>	<i>1</i>	<i>5</i>	<i>20</i>	<i>4</i>	<i>253</i>	<i>1012</i>

SPILL PERIMETER

OVM RESULTS

SPILL PROFILE

	SAMPLE ID	FIELD HEADSPACE PID (ppm)	
	<i>Spt. Comp</i>	<i>541</i>	
LAB SAMPLES			
SAMPLE ID	ANALYSIS	TIME	

TRAVEL NOTES: CALLED OUT: ONSITE:



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: 5pt. Comp
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-1868
Date Reported: 12/27/2010
Date Sampled: 12/21/2010
Date Analyzed: 12/21/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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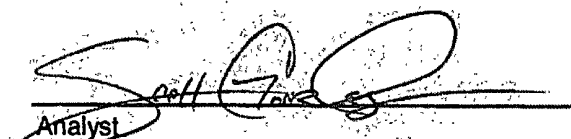
Total Petroleum Hydrocarbons	1,010	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **Newberry Com #1M Pit #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Scott Gonzales, Sr. Enviro-Tech
Printed


Review

Toni McKnight, EIT
Printed

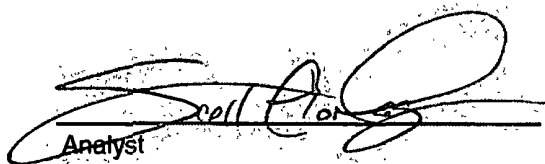


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 21-Dec-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	195
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.


Analyst

Scott Gonzales, Sr. Enviro-Tech
Print Name


Review

Toni McKnight, EIT
Print Name

12/27/2010
Date

12/27/2010
Date



Field Chloride

Client: ConocoPhillips
Sample No.: 1
Sample ID: 5pt. Comp
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-1868
Date Reported: 12/27/2010
Date Sampled: 12/21/2010
Date Analyzed: 12/21/2010
Analysis Needed: Chloride

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Field Chloride

ND

33.0

ND = Parameter not detected at the stated detection limit.

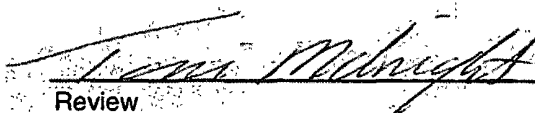
References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992
Hach Company Quantab Titrators for Chloride

Comments: Newberry Com #1M, Pit #1


Analyst

Scott Gonzales, Sr. Enviro-Tech

Printed


Review

Toni McKnight, EIT

Printed

PAGE NO: <u>2</u> OF <u>2</u> DATE STARTED: <u>12-21-10</u> DATE FINISHED: <u>12-21-10</u>	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>GA</u> LAT: <u>36.923723°</u> LONG: <u>108.115803°</u>
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FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION:	NAME: <u>Newberry Com</u>	WELL #: <u>1M</u>	TEMP PIT:	PERMANENT PIT:	BGT ☒
LEGAL ADD:	UNIT: <u>0</u>	SEC: <u>5</u>	TWP: <u>31N</u>	RNG: <u>12W</u>	PM: <u>NMFM</u>
QTR/FOOTAGE:	CNTY:		ST:		

EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND OWNER: Federal API: 3004529582 BGT / PIT VOLUME: 25661

CONSTRUCTION MATERIAL: steel DOUBLE-WALLED, WITH LEAK DETECTION: No

LOCATION APPROXIMATELY: 120 FT. 135° FROM WELLHEAD

DEPTH TO GROUNDWATER: 7100'

TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg

TEMPORARY PIT - GROUNDWATER ≥ 100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg

☒ PERMANENT PIT OR BGT

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg

FIELD 418.1 ANALYSIS

TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
11:40	200 STD					195	
13:30	Spt Comp	1	5	20	4	1137	4548
		2					
		3					
		4					
		5					
		6					

PERIMETER

FIELD CHLORIDES RESULTS

PROFILE

Pit #1

B.Air AST

Pit #2

B.Air BGT AST

SAMPLE ID	READING	CALC. (mg/kg)
Spt Comp	1.4	3.3

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
Spt Comp	55.4

LAB SAMPLES			NOTES: <u>Pit #2</u>
SAMPLE ID	ANALYSIS	RESULTS	
	BENZENE		
	BTEX		
	GRO & DRO		
	CHLORIDES		
WORKORDER #			WHO ORDERED

Client:

ComcoPhillips


envirotech
 (505) 632-0615 (800) 362-1879

5786 U.S. Hwy 64, Farmington, NM 87401

Location No:

C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION
PAGE NO: 2 OF 2DATE STARTED: 12-21-10DATE FINISHED: 12-21-10LOCATION: NAME: Newberry Can WELL #: 1MQUAD/UNIT: 0 SEC: 5 TWP: 31N RNG: 12W PM: NMPM CNTY: SJ ST: NMQTR/FOOTAGE: 1850 + 1120 CONTRACTOR:

ENVIRONMENTAL

SPECIALIST: SGEXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE: DISPOSAL FACILITY: REMEDIATION METHOD: LAND USE: LEASE: LAND OWNER: FederalCAUSE OF RELEASE: BAT Leak MATERIAL RELEASED: produced water incident to oilSPILL LOCATED APPROXIMATELY: 120 FT. 135° FROM wellheadDEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 7100' NEAREST SURFACE WATER: 71000'NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM
SOIL AND EXCAVATION DESCRIPTION:

Pit #2
 36.923723°
 -108.115803°

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 std.	11:40	200 Std					195	
Spt. Comp	13:30	Spt. Comp	1	5	20	4	1137	4548

SPILL PERIMETER

OVM
RESULTS

SPILL PROFILE

Pit #1 BAT (AST) PH #2 SEP BAT MA
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TRAVEL NOTES: CALLED OUT: ONSITE:



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: 5pt. Comp
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-1868
Date Reported: 12/27/2010
Date Sampled: 12/21/2010
Date Analyzed: 12/21/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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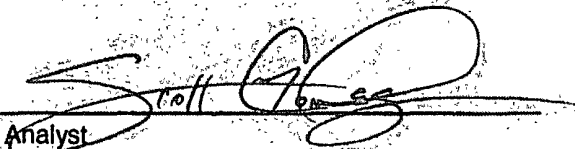
Total Petroleum Hydrocarbons	4,550	5.0
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ND = Parameter not detected at the stated detection limit.

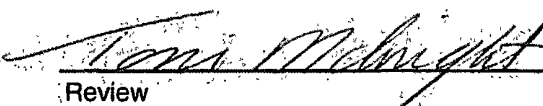
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Newberry Com #1M Pit #2

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Scott Gonzales, Sr. Enviro-Tech
Printed


Review

Toni McKnight, EIT
Printed

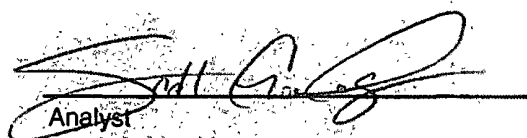


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 21-Dec-10

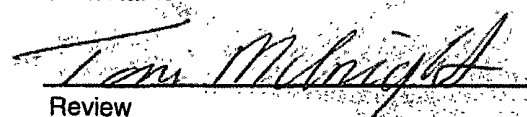
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	195
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.


Analyst

1/17/2011
Date

Scott Gonzales, Sr. Enviro-Tech
Print Name


Review

1/17/2011
Date

Toni McKnight, EIT
Print Name



Field Chloride

Client:	ConocoPhillips	Project #:	96052-1868
Sample No.:	1	Date Reported:	12/27/2010
Sample ID:	5Pt. Comp	Date Sampled:	12/21/2010
Sample Matrix:	Soil	Date Analyzed:	12/21/2010
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Field Chloride

33

33.0

ND = Parameter not detected at the stated detection limit.

References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992
Hach Company Quantab Titrators for Chloride

Comments: **Newberry Com #1M, Pit #2**

Analyst

Scott Gonzales, Sr. Enviro-Tech

Printed

Review

Toni Mcknight, EIT

Printed

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

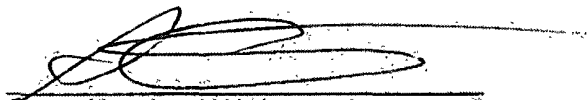
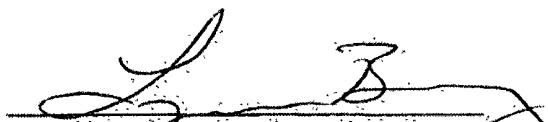
Client:	ConocoPhillips	Project #:	96052-1868
Sample ID:	Pit #1	Date Reported:	12-22-10
Laboratory Number:	56880	Date Sampled:	12-21-10
Chain of Custody No:	10962	Date Received:	12-21-10
Sample Matrix:	Soil	Date Extracted:	12-21-10
Preservative:	Cool	Date Analyzed:	12-22-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	138	0.2
Diesel Range (C10 - C28)	196	0.1
Total Petroleum Hydrocarbons	334	

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: **Newberry Com #1M**


Analyst
Review

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

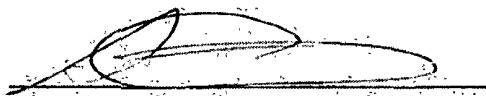
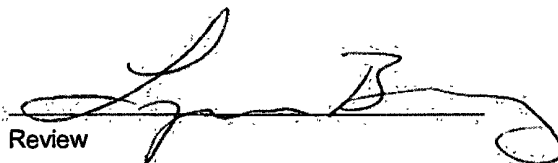
Client:	ConocoPhillips	Project #:	96052-1868
Sample ID:	Pit #2	Date Reported:	12-22-10
Laboratory Number:	56881	Date Sampled:	12-21-10
Chain of Custody No:	10962	Date Received:	12-21-10
Sample Matrix:	Soil	Date Extracted:	12-21-10
Preservative:	Cool	Date Analyzed:	12-22-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	34.0	0.2
Diesel Range (C10 - C28)	14.2	0.1
Total Petroleum Hydrocarbons	48.2	

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: **Newberry Com #1M**


Analyst
Review



envirotech
Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-22-10 QA/QC	Date Reported:	12-22-10
Laboratory Number:	56877	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-22-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	12-22-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	12-22-10	9.9960E+002	1.0000E+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

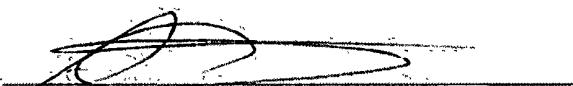
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	41.0	40.5	1.2%	0 - 30%
Diesel Range C10 - C28	2.7	2.5	7.4%	0 - 30%

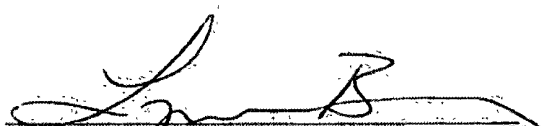
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	41.0	250	293	101%	75 - 125%
Diesel Range C10 - C28	2.7	250	258	102%	75 - 125%

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 56877-56886


Analyst


Review

Client:	ConocoPhillips	Project #:	96052-1868
Sample ID:	Pit #1	Date Reported:	12-22-10
Laboratory Number:	56880	Date Sampled:	12-21-10
Chain of Custody:	10962	Date Received:	12-21-10
Sample Matrix:	Soil	Date Analyzed:	12-22-10
Preservative:	Cool	Date Extracted:	12-21-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	26.1	1.0
p,m-Xylene	361	1.2
o-Xylene	83.0	0.9
Total BTEX	470	

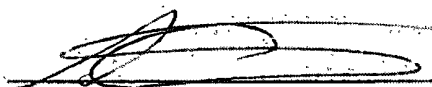
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	104 %
	1,4-difluorobenzene	104 %
	Bromochlorobenzene	105 %

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: Newberry Com #1M


 Analyst


 Review

Client:	ConocoPhillips	Project #:	96052-1868
Sample ID:	Pit #2	Date Reported:	12-22-10
Laboratory Number:	56881	Date Sampled:	12-21-10
Chain of Custody:	10962	Date Received:	12-21-10
Sample Matrix:	Soil	Date Analyzed:	12-22-10
Preservative:	Cool	Date Extracted:	12-21-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	2.1	1.0
Ethylbenzene	2.3	1.0
p,m-Xylene	30.9	1.2
o-Xylene	1.4	0.9
Total BTEX	36.7	

ND - Parameter not detected at the stated detection limit.

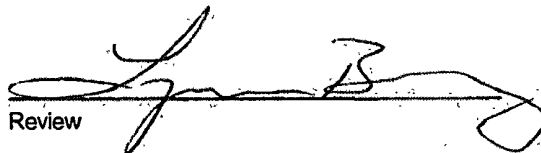
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.1 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	101 %

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: Newberry Com #1M


 Analyst


 Review

Client:	N/A	Project #:	N/A
Sample ID:	1222BBLK QA/QC	Date Reported:	12-22-10
Laboratory Number:	56877	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-22-10
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	1.3546E+005	1.3573E+005	0.2%	ND	0.1
Toluene	1.4276E+005	1.4305E+005	0.2%	ND	0.1
Ethylbenzene	1.3146E+005	1.3172E+005	0.2%	ND	0.1
p,m-Xylene	3.0322E+005	3.0382E+005	0.2%	ND	0.1
o-Xylene	1.2931E+005	1.2957E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	1.4	1.2	14.3%	0 - 30%	1.0
p,m-Xylene	10.8	11.1	2.8%	0 - 30%	1.2
o-Xylene	3.9	4.4	12.8%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	507	101%	39 - 150
Toluene	ND	500	507	101%	46 - 148
Ethylbenzene	1.4	500	511	102%	32 - 160
p,m-Xylene	10.8	1000	1,020	101%	46 - 148
o-Xylene	3.9	500	494	98.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 56877-56881, 56883-56886

Analyst

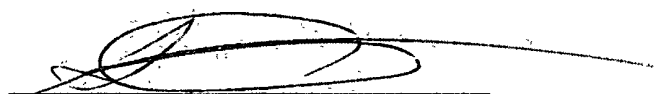
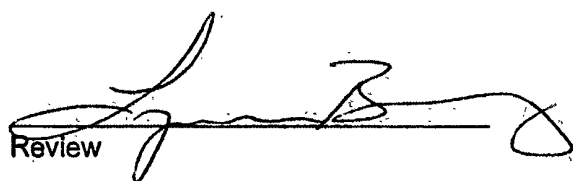
Review

Client:	ConocoPhillips	Project #:	96052-1868
Sample ID:	Pit #1	Date Reported:	12-22-10
Lab ID#:	56880	Date Sampled:	12-21-10
Sample Matrix:	Soil	Date Received:	12-21-10
Preservative:	Cool	Date Analyzed:	12-22-10
Condition:	Intact	Chain of Custody:	10962

Parameter**Concentration (mg/Kg)****Total Chloride****10**

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: **Newberry Com #1M**


Analyst
Review



Client:	ConocoPhillips	Project #:	96052-1868
Sample ID:	Pit #2	Date Reported:	12-22-10
Lab ID#:	56881	Date Sampled:	12-21-10
Sample Matrix:	Soil	Date Received:	12-21-10
Preservative:	Cool	Date Analyzed:	12-22-10
Condition:	Intact	Chain of Custody:	10962

Parameter

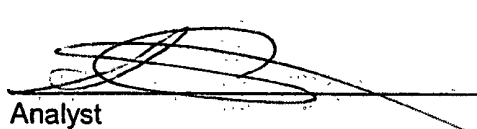
Concentration (mg/Kg)

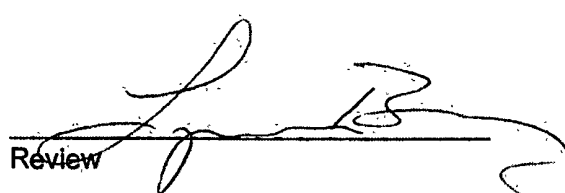
Total Chloride

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: **Newberry Com #1M**


Analyst


Review

CHAIN OF CUSTODY RECORD

10962

Client: <i>ConocoPhillips</i>			Project Name / Location: <i>Newberry Com #1m</i>			ANALYSIS / PARAMETERS																		
Client Address:			Sampler Name: <i>Scot G.</i>																					
Client Phone No.:			Client No.: <i>96052-1868</i>																					
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative			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	
<i>P. #1</i>	<i>12-21-10</i>	<i>11:45</i>	<i>56880</i>	<i>Soil</i> Solid Aqueous	<i>1-403</i>				☒	☒									☒				☒	☒
<i>P. #2</i>	<i>12-21-10</i>	<i>12:50</i>	<i>56881</i>	<i>Soil</i> Solid Aqueous	<i>1-403</i>				☒	☒									☒				☒	☒
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Relinquished by: (Signature) <i>[Signature]</i>			Date <i>12-21-10</i>	Time <i>14:15</i>	Received by: (Signature) <i>TRENTON KROLL</i>			Date <i>12-21-10</i>			Time <i>14:15</i>													
Relinquished by: (Signature) <i>[Signature]</i>					Received by: (Signature)																			
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<i>RUSH</i>  envirotech Analytical Laboratory																								
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