

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 August 8, 2011

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources Oil & Gas Company	Contact Crystal Tafoya
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9837
Facility Name: Grenier B 4E	Facility Type: Gas Well

Surface Owner BLM	Mineral Owner BLM (NMNM-03561)	API No. 30-045-29406
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LOCATION OF RELEASE

Unit Letter C	Section 4	Township 29N	Range 10W	Feet from the 1110	North/South Line North	Feet from the 1675	East/West Line West	County San Juan
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Latitude 36.75824 Longitude 107.89239

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 16.7 BBL	Volume Recovered 0 BBL
Source of Release Below-Grade Tank	Date and Hour of Occurrence 7/18/2013 at 7:30 AM	Date and Hour of Discovery 7/18/2013 at 8:00 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD OCT 16 '13	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*
N/A


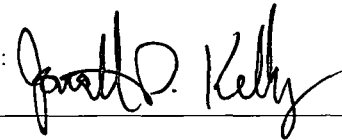
Describe Cause of Problem and Remedial Action Taken.*

MSO discovered produced water draining from the base of the BGT. Valves were immediately shut-in and a water truck called to location. Approximately 16.7BBL produced water was released with 0 BBL recovered. The release was contained within the berm and did not leave location.

Describe Area Affected and Cleanup Action Taken.*

NMOCD action levels for releases are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 20. Samples were collected and analytical results are below applicable NMOCD action levels. No further work will be performed. The final report is attached for review.

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: 		OIL CONSERVATION DIVISION	
Printed Name: Crystal Tafoya		Approved by Environmental Specialist: 	
Title: Field Environmental Specialist		Approval Date: 11/12/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/15/2013 Phone: (505) 326-9837			

* Attach Additional Sheets If Necessary

nJK1331625520



October 14, 2013

Project Number 92115-2466

Ms. Crystal Tafoya
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 215-4361
Fax: (505) 599-4005

RE: SPILL ASSESSMENT DOCUMENTATION FOR THE GRENIER B #4E WELL SITE, SAN JUAN COUNTY, NEW MEXICO


Dear Ms. Tafoya,

Enclosed please find the field notes and analytical results for spill assessment activities performed at the Grenier B #4E well site located in Section 4, Township 29 North, Range 10 West, San Juan County, New Mexico; see enclosed *Site Map*. The below ground tank (BGT) at the above referenced well site overflowed, releasing approximately 16 barrels (bbls) of produced water into the surrounding area; see enclosed *Field Notes*. Upon Envirotech personnel's arrival on July 19, 2013, a brief site assessment was conducted. Because depth to groundwater was less than 50 feet, nearest surface water was between 200 and 1000 feet, and the well site was not located within a well head protection area, the regulatory standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

One (1) five (5)-point composite sample was collected from the area between the berms, surrounding the BGT; see enclosed *Field Notes*. The sample was analyzed in the field for TPH using USEPA Method 418.1, for organic vapors using a photoionization detector (PID), and for chlorides using a Quantab field chloride strip. The sample returned a result above the regulatory standard for TPH, but below the regulatory standard for organic vapor; see enclosed *Field Notes*, *Analytical Results*, and *Summary of Analytical Results*. The Quantab field chloride strip returned a result of 2300 ppm for chlorides; see enclosed *Field Notes* and *Summary of Analytical Results*. Additionally, the sample was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for chlorides using USEPA Method 300. The sample returned a result below the regulatory standard for TPH; see enclosed *Analytical Results* and *Summary of Analytical Results*. The sample returned a result of 1680 ppm for chlorides; see enclosed *Analytical Results* and *Summary of Analytical Results*. Chloride results are only provided for informational purposes since they are not bound to any regulatory standard in NMOCD Guidelines for Remediation of Leaks, Spills, and Releases. Therefore, Envirotech, Inc. recommends no further action in regards to this matter.

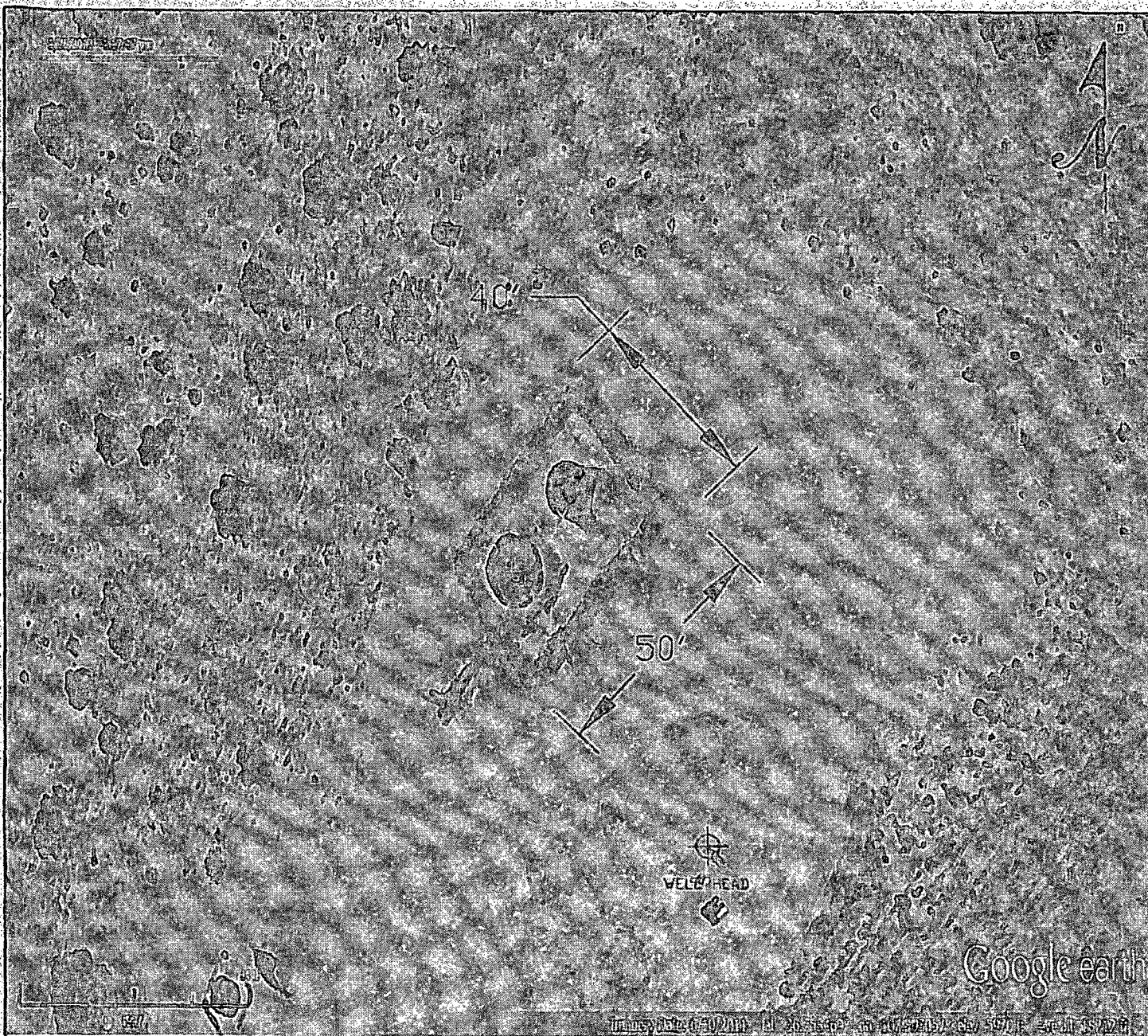
We appreciate the opportunity to be of service. If you have questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.


Rene Garcia-Reyes, Chemist
Staff Scientist
rgarcia@envirotech-inc.com

Enclosure(s): Site Map
Summary of Analytical Results
Field Notes
Analytical Results

Cc: Client File 92115



LEGEND

X SAMPLE LOCATION

⊕ WELL HEAD

SITE MAP ConocoPhillips Grenier B #4E

SECTION 4, TWP 29 NORTH, RANGE 10 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS

PROJECT NO92115-2486

FIGURE NO. 1

REV

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	RGR	10/8/13	BASE DRWN RGR 2/25/13

 **envirotech**

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

Table 1, Summary of Analytical Results
 ConocoPhillips
 Grenier B #4E
 Spill Assessment Report
 San Juan County, New Mexico
 Project Number 92115-2466

Sample Description	Sample Number	Date	TPH 418.1 (ppm)	TPH USEPA Method 8015 (ppm)	Chloride - Field Strip (ppm)	Chloride USEPA Method 300 (ppm)	OVM (ppm)
NMOCD/RCRA Standards	NA	NA	100	100	NA	NA	100
5-Point Surface Composite	1	7/19/2013	208	ND	2300	1680	2.6

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit

* Values in **BOLD** above regulatory standards

Client: **GO PC**



(505) 632-0615 (800) 362-1879
5798 U.S. Hwy 64, Farmington, NM 87401

Project No: 92115-2466

COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 7 OF 7

DATE STARTED: 7/19/13

DATE FINISHED:

LOCATION: NAME: Gayler R WELL #: 4E

QUAD/UNIT: C SEC: 4 TWP: 29N RNG: 10W PM: CNTY: SD ST: NE

QTR/FOOTAGE: 3110' N & 1675' W CONTRACTOR:

ENVIRONMENTAL

SPECIALIST: *Rene*

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

DISPOSAL FACILITY:	REMEDIATION METHOD:

LAND USE: LEASE: GRM - 03561 LAND OWNER: Fed

CAUSE OF RELEASE: Hole in bottom of BGT MATERIAL RELEASED: Produce water (16 bbls)

SPILL LOCATED APPROXIMATELY: 66 FT. 315° FROM Wellhead

DEPTH TO GROUNDWATER: $< 50'$ NEAREST WATER SOURCE: $> 1000'$ NEAREST SURFACE WATER: $\sim 500'$

NMOC Ranking Score: 30 NMOC TPH Closure Std: 100 PPM

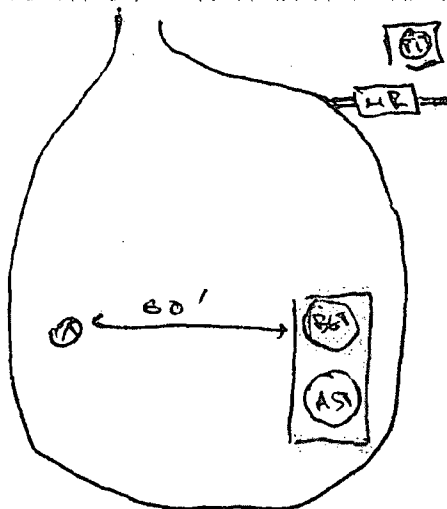
SOIL AND EXCAVATION DESCRIPTION:

[illegible]

SPILL PERIMETER

OVM RESULTS

SPILL PROFILE

[illegible]

TRAVEL NOTES: CALLED OUT: ONSITE:



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2466
Sample No.:	1	Date Reported:	8/9/2013
Sample ID:	5-Point Surface Composite	Date Sampled:	7/19/2013
Sample Matrix:	Soil	Date Analyzed:	7/19/2013
Preservative:	Cool	Analysis Needed:	TPH-418:1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	208	5.0

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: Grenier B #4E (hBr)

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Analyst

Rene Garcia-Reyes

Printed

Review

Toni McKnight, EIT

Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 19-Jul-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	189
	200	
	500	
	1000	

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

Analyst

Rene Garcia-Reyes

Print Name

Review

Toni McKnight, EIT

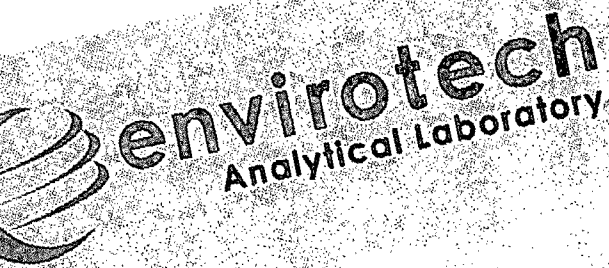
Print Name

8/9/2013

Date

8/9/2013

Date



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15879

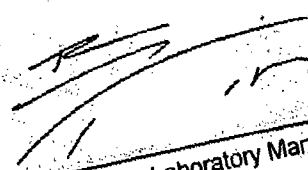
Samples Received: 7/19/2013 2:10:00PM

Job Number: 92115-2466

Work Order: P307067

Project Name/Location: Grenier B #4E/ Spill
Assessment

Entire Report Reviewed By:


Tim Cain, Laboratory Manager

Date: 7/23/13

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.

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865
Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory-envirotech-inc.com

Page 1 of 1



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Grenier B #4E/ Spill Assessment
Project Number: 92115-2466
Project Manager: Kendra Runung

Reported:
23-Jul-13 14:26

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1	P307067-01A	Soil	07/19/13	07/19/13	Glass Jar, 4 oz.

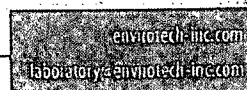
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ConocoPhillips	Project Name:	Grenier B #4E/ Spill Assessment	Reported:
PO Box 2200	Project Number:	92115-2466	23-Jul-13 14:26
Bartlesville OK, 74005	Project Manager:	Kendra Runung	

1
P307067-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1329034	19-Jul-13	23-Jul-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	4.99	mg/kg	1	1329034	19-Jul-13	23-Jul-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg	1	1329034	19-Jul-13	23-Jul-13	EPA 8015D	
Cation/Anion Analysis									
Chloride	1680	9.99	mg/kg	1	1330001	23-Jul-13	23-Jul-13	EPA 300.0	

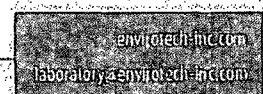
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Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Grenier B #4E/ Spill Assessment
Project Number: 92115-2466
Project Manager: Kendra Runung

Reported:
23-Jul-13 14:26

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 1329034 - GRO/DRO Extraction EPA 3550C										
Blank (1329034-BLK1)										
					Prepared: 19-Jul-13 Analyzed: 23-Jul-13					
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Diesel Range Organics (C10-C28)	ND	4.99	"							
GRO and DRO Combined Fractions	ND	4.99	"							
Duplicate (1329034-DUP1)										
Source: P307057-01					Prepared: 19-Jul-13 Analyzed: 23-Jul-13					
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Diesel Range Organics (C10-C28)	ND	4.99	"		ND				30	
Matrix Spike (1329034-MS1)										
Source: P307057-01					Prepared: 19-Jul-13 Analyzed: 23-Jul-13					
Gasoline Range Organics (C6-C10)	263	5.26	mg/kg	263	ND	100	75-125			
Diesel Range Organics (C10-C28)	263	5.26	"	263	ND	100	75-125			

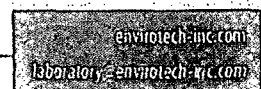
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Grenier B #4E/ Spill Assessment
Project Number: 92115-2466
Project Manager: Kendra Runung

Reported:
23-Jul-13 14:26

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 1330001 - Anion Extraction EPA 300.0										
Blank (1330001-BLK1)										
Chloride	ND	9.99	mg/kg							Prepared & Analyzed: 23-Jul-13
Duplicate (1330001-DUP1)										
Chloride	1520	9.99	mg/kg		1680			10.4	30	Source: P307067-01 Prepared & Analyzed: 23-Jul-13

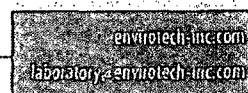
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Grenier B #4E/ Spill Assessment
Project Number: 92115-2466
Project Manager: Kendra Runung

Reported:
23-Jul-13 14:26

Notes and Definitions

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

15879

Page 7 of 7

Client: COPC (LBR)			Project Name / Location: Greiner B & GE / Spill Assessment			ANALYSIS / PARAMETERS															
Email results to:			Sampler Name: Rene Garcia Reyes			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.:			Client No.: 9215-2466																		
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			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
					HNO ₃	HCl	6d														
1	7/19/13	13:15	P307067-01	402			XX										X			✓	✓
Relinquished by: (Signature) [Signature]				Date	Time	Received by: (Signature) [Signature]				Date	Time										
				7/19	14:10					7/19/13	14:10										
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. Rush																					

