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

30-045-20736

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **Burlington Resources, a Wholly Subsidiary of ConocoPhillips Company**	Contact **Kelsi Harrington**
Address **3401 E. 30th St., Farmington, NM 87402**	Telephone No. **505-599-3403**
Facility Name **State Com 1Y**	Facility Type **Gas Well API#3004520736**
Surface Owner **State**	Mineral Owner **State**	Lease No. **E-292-15**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	**02**	**29N**	**08W**	**1060'**	**North**	**1060'**	**East**	**San Juan**

Latitude 36.75793° N Longitude -107.63919° W

NATURE OF RELEASE

Type of Release – **Unknown**	Volume of Release – **Unknown**	Volume Recovered –
Source of Release: **Below Grade Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **2/10/2011**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	RCVD SEP 6 '11
By Whom?	Date and Hour –	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV.

If a Watercourse was Impacted, Describe Fully.*

DIST. 3

Describe Cause of Problem and Remedial Action Taken.* **Below Grade Tank Closure.**

Describe Area Affected and Cleanup Action Taken.* **The sample returned results below the regulatory standards for Benzene, BTEX and Chlorides but above the regulatory standard of 100 ppm for TPH (1,960 ppm) using USEPA Method 418.1, confirming a release. However, as the closure standard for TPH at this site is 1000 ppm and the laboratory sample returned results of Non- Detect TPH, 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:	
Title: **Environmental Consultant**	Approval Date: 10/11/11	Expiration Date:
E-mail Address: **kelsi.g.harrington@conocophillips.com**	Conditions of Approval:	Attached ☐
Date: **9/1/2011** Phone: **505-599-3403**		

* Attach Additional Sheets If Necessary

nJK1129429681

envirotech

March 7, 2011 Project Number 92115-1588

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401 Phone: (505) 599-3403

RE: BELOW GRADE TANK CLOSURE DOCUMENTATION FOR THE STATE COM #1Y (HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Harrington:

Attached please find the field notes and analytical results for below grade tank (BGT) closure activities performed at the State Com #1Y (hBr) well site located in Section 2, Township 29 North, Range 8 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on February 10, 2011, one (1) five (5)-point composite sample was collected from beneath the former BGT. The sample was 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; see attached, ***Field Notes.*** Additionally, the sample was placed into a four (4)-ounce glass jar, 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, benzene and BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500. The sample returned results below the regulatory standards for benzene, BTEX and chlorides but above the regulatory standard of 100 parts per million (ppm) TPH using USEPA Method 418.1, confirming a release did occur.

A brief site assessment was conducted and the regulatory standards were determined to be 1000 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water being between 200 and 1000 feet and depth to groundwater greater than 100 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. The sample from beneath the former BGT returned results below the regulatory standard for TPH using USEPA Method 8015; 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.

Crystal Delgai
Environmental Technician
cdelgai@envirotech-inc.com

Enclosures: Field Notes
Analytical Results

Cc: Client File 92115

PAGE NO: 1 OF 2

DATE STARTED: 8/10/11
DATE FINISHED: 8/10/11

ENVIROTECH INC

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

ENVIRONMENTAL SPECIALIST:

LAT: 36.75786986
LONG: -107.6397997

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: State Com WELL #: 1Y TEMP PIT: PERMANENT PIT: BGT:
LEGAL ADD: UNIT: A SEC: 2 TWP: 29N RNG: 8W PM: NM
QTR/FOOTAGE: 1060'E 1060'N CNTY: San Juan ST: NM

EXCAVATION APPROX: 25 FT. X 27 FT. X 5.5 FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: — REMEDIATION METHOD: —
LAND OWNER: State API: 3004520736 BGT / PIT VOLUME: —
CONSTRUCTION MATERIAL: — DOUBLE-WALLED, WITH LEAK DETECTION: —

LOCATION APPROXIMATELY: 35 FT. ~~270°~~ 90° FROM WELLHEAD
DEPTH TO GROUNDWATER: 500'+

__ 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

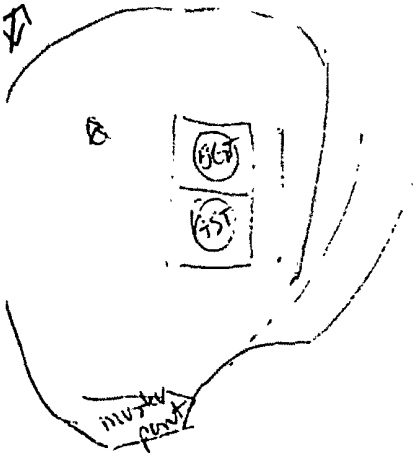
__ TEMPORARY PIT - GROUNDWATER ≥100 FEET DEEP
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg

✓ 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)
13:00	200 STD		-	-	-	197	—
13:03	BGT	1	5	20	4	490	1960
		2					
		3					
		4					
		5					
		6					

PERIMETER



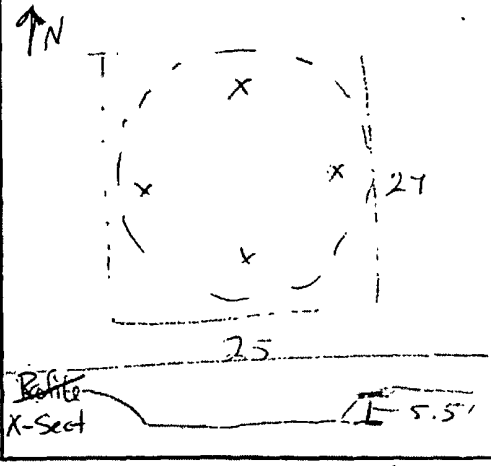
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)
1	0	ND < 33

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
1 - BGT	0.0

PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES: Cl- STD 33
8015, 8021, Cl-

WORKORDER # WHO ORDERED

Client: COPC

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Location No: 92115
C.O.C. No: 1588

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 2 OF 2

DATE STARTED: 2/10/11
DATE FINISHED: 2/10/11
ENVIRONMENTAL SPECIALIST: C Dolgin

LOCATION: NAME: State Com WELL #: 1Y
QUAD/UNIT: A SEC: 2 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1060'E 1060'N CONTRACTOR: S Absolute

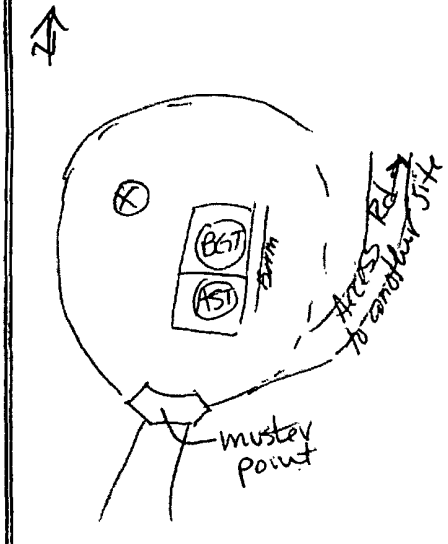
EXCAVATION APPROX: 25 FT. X 27 FT. X 5.5 FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: — REMEDIATION METHOD: —
LAND USE: State LEASE: — LAND OWNER: —
CAUSE OF RELEASE: BGT MATERIAL RELEASED: —

SPILL LOCATED APPROXIMATELY: — FT. — FROM —
DEPTH TO GROUNDWATER: >500' NEAREST WATER SOURCE: 520' NEAREST SURFACE WATER: —
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:
- Soil: mostly clay
- Walls to pit were sloped well enough to walk in.

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 STD	13:00	—	—	5	—	—	197	—
BGT	13:03	1		5	20	4	490	1960

SPILL PERIMETER



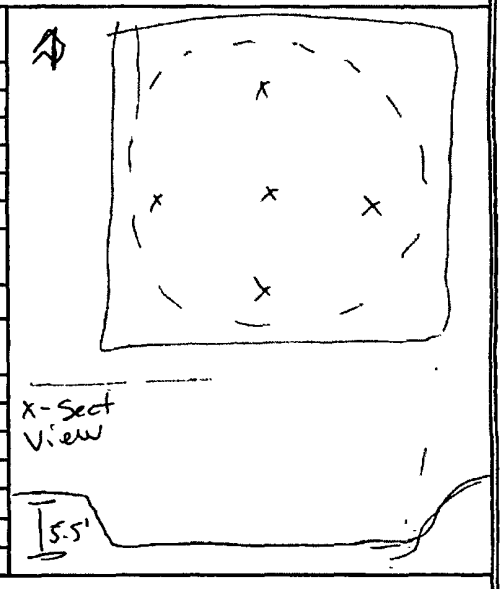
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1	8015	15:10
	8021	15:10
	Cl-	15:10

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE:

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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1588
Sample No.:	1	Date Reported:	2/17/2011
Sample ID:	BGT	Date Sampled:	2/10/2011
Sample Matrix:	Soil	Date Analyzed:	2/10/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**1,960**	**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: **State Com #1Y (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Crystal Delgai
Printed

Review

Toni McKnight, EIT
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 10-Feb-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	197
	500	
	1000	

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

Crystal Delgai
Analyst

2/17/2011
Date

Crystal Delgai
Print Name

Toni McKnight
Review

2/17/2011
Date

Toni McKnight, EIT
Print Name

envirotech

Field Chloride

Client:	ConocoPhillips	Project #:	92115-1588
Sample No.:	1	Date Reported:	2/17/2011
Sample ID:	BGT	Date Sampled:	2/10/2011
Sample Matrix:	Soil	Date Analyzed:	2/10/2011
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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: **State Com #1Y (hBr)**

Analyst

Crystal Delgai
Printed

Review

Toni McKnight, EIT
Printed

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	92115-1588
Sample ID:	BGT	Date Reported:	02-11-11
Laboratory Number:	57178	Date Sampled:	02-10-11
Chain of Custody No:	11126	Date Received:	02-10-11
Sample Matrix:	Soil	Date Extracted:	02-10-11
Preservative:	Cool	Date Analyzed:	02-11-11
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**	

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: **State Com #1Y**

Analyst

Review

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Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-11-11 QA/QC	Date Reported:	02-11-11
Laboratory Number:	57178	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-11-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-11-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	02-11-11	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	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	253	101%	75 - 125%
Diesel Range C10 - C28	ND	250	253	101%	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 57178**

Analyst

Review

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Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1588
Sample ID:	BGT	Date Reported:	02-11-11
Laboratory Number:	57178	Date Sampled:	02-10-11
Chain of Custody:	11126	Date Received:	02-10-11
Sample Matrix:	Soil	Date Analyzed:	02-11-11
Preservative:	Cool	Date Extracted:	02-10-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**103 %**
	1,4-difluorobenzene	**101 %**
	Bromochlorobenzene	**95.4 %**

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: **State Com #1Y**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0211BBLK QA/QC	Date Reported:	02-11-11
Laboratory Number:	57178	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-11-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.6996E+005	1.7030E+005	0.2%	ND	0.1
Toluene	1.8409E+005	1.8446E+005	0.2%	ND	0.1
Ethylbenzene	1.6811E+005	1.6845E+005	0.2%	ND	0.1
p,m-Xylene	3.8797E+005	3.8875E+005	0.2%	ND	0.1
o-Xylene	1.5726E+005	1.5757E+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	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	465	93.1%	39 - 150
Toluene	ND	500	465	93.1%	46 - 148
Ethylbenzene	ND	500	475	94.9%	32 - 160
p,m-Xylene	ND	1000	976	97.6%	46 - 148
o-Xylene	ND	500	470	94.0%	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 57178**

Analyst

Review

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Analytical Laboratory

Chloride

Client:	ConocoPhillips	Project #:	92115-1588
Sample ID:	BGT	Date Reported:	02/11/11
Lab ID#:	57178	Date Sampled:	02/10/11
Sample Matrix:	Soil	Date Received:	02/10/11
Preservative:	Cool	Date Analyzed:	02/11/11
Condition:	Intact	Chain of Custody:	11126

Parameter	Concentration (mg/Kg)
Total Chloride	**30**

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., 199

Comments: **State Com #1Y**

Analyst

Review

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CHAIN OF CUSTODY RECORD RUSH 11126

Client: COPC	Project Name / Location: State Com #1Y	ANALYSIS / PARAMETERS
Client Address:	Sampler Name: C Delgai	
Client Phone No.:	Client No.: 92115-1588	

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative Cool	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
BGT	2/10/11	13:03	57178	(Soil circled) Soil Solid Sludge Aqueous	1-4oz			✓	✓	✓								✓				Y	Y
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
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				Soil Solid Sludge Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Crystal Delgai (signature)	2/10/11	15:10	(signature)	2/10/11	15:10
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

RUSH

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Analytical Laboratory

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