

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

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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

30-045-21160

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips Company	Contact Shelly Cook-Cowden
Address 3401 E. 30th St., Farmington, NM 87402	Telephone No. 505-324-5140
Facility Name: Sharp #8 #2	Facility Type: Gas Well API#3004513219

Surface Owner: Federal	Mineral Owner: Federal	Lease No. NMSF - 079205
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	18	028N	008W	990'	South	990'	East	San Juan

Latitude **36.65675° N** Longitude **-107.71617° 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 - October 11, 2011
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	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. RCVD NOV 15 '11	
If a Watercourse was Impacted, Describe Fully.* OIL CONS. DIV.		
Describe Cause of Problem and Remedial Action Taken.* Below grade tank closure activities. DIST. 3		
Describe Area Affected and Cleanup Action Taken.* The below grade tank sample results were above regulatory standard by USEPA method 418.1 for TPH and Organic Vapors, confirming a release. The sample was then transported to the lab and analytical results 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: <i>Shelly Cook-Cowden</i>		OIL CONSERVATION DIVISION	
Printed Name: Shelly Cook-Cowden		Approved by District Supervisor: <i>[Signature]</i>	
Title: Field Environmental Specialist		Approval Date: 3/13/18	Expiration Date:
E-mail Address: Shelly.g.Cook-Cowden@ConocoPhillips.com		Conditions of Approval: <input type="checkbox"/> Attached <input type="checkbox"/>	
Date: November 9, 2011 Phone: 505-324-5140			

* Attach Additional Sheets If Necessary

NMF1807232251

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NMOCD

MAR 09 2018

DISTRICT III

October 31, 2011

Project Number 92115-1966

Ms. Shelly Cook-Cowden
Conoco Phillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE SHARP #2 (hBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Cook-Cowden,

Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the Sharp #2 (hBr) well site located in Section 18, Township 28 North, Range 8 West, San Juan County, New Mexico. Prior to Envirotech's arrival on October 11, 2011, the BGT had been removed. 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. 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, for 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 100 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water less than 200 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 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.

ConocoPhillips
Sharp #2 (hBr)
BGT Closure Sampling
Project Number 92115-1966
Page 2

Respectfully submitted,
ENVIROTECH, INC.



Felipe Aragon
Environmental Field Technician
faragon@envirotech-inc.com

Enclosures: Analytical Results
Field Notes

Cc: Client File 92115



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: ConocoPhillips Project #: 92115-1966
Sample No.: 1 Date Reported: 10/11/2011
Sample ID: BGT Composite Date Sampled: 10/11/2011
Sample Matrix: Soil Date Analyzed: 10/11/2011
Preservative: Cool Analysis Needed: TPH-418.1
Condition: Cool and Intact

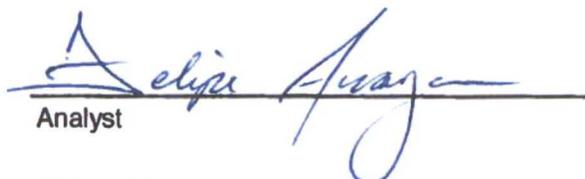
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	228	5.0

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: **Sharp #2 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Felipe Aragon

Printed



Review

Toni McKnight, EIT

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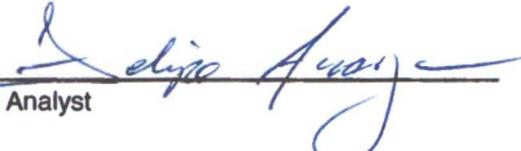


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 11-Oct-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	207
	200	
	500	
	1000	

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



Analyst

10/11/2011

Date

Felipe Aragon

Print Name



Review

10/11/2011

Date

Toni McKnight, EIT

Print Name



Field Chloride

Client: ConocoPhillips Project #: 92115-1966
Sample No.: 1 Date Reported: 10/11/2011
Sample ID: BGT Composite Date Sampled: 10/11/2011
Sample Matrix: Soil Date Analyzed: 10/11/2011
Preservative: Cool Analysis Needed: Chloride
Condition: Cool and Intact

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	34	28.0

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: Sharp #2



Analyst

Felipe Aragon

Printed



Review

Toni McKnight-EIT

Printed

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

Client:	ConocoPhillips	Project #:	92115-1966
Sample ID:	BGT Comp	Date Reported:	10-12-11
Laboratory Number:	59912	Date Sampled:	10-11-11
Chain of Custody No:	12716	Date Received:	10-11-11
Sample Matrix:	Soil	Date Extracted:	10-12-11
Preservative:	Cool	Date Analyzed:	10-12-11
Condition:	Intact	Analysis Requested:	8015 TPH

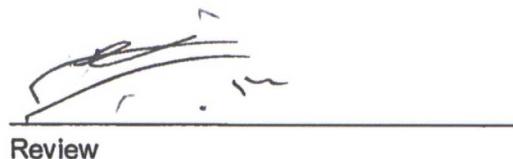
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.6	

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: **BGT Closure/ Sharp #2**


Analyst


Review

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

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	10-12-11 QA/QC	Date Reported:	10-13-11
Laboratory Number:	59900	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-12-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	40828	9.990E+02	9.994E+02	0.04%	0 - 15%
Diesel Range C10 - C28	40828	9.996E+02	1.000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	3.3	0.2
Diesel Range C10 - C28	0.5	0.1

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	15.0	14.8	1.3%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

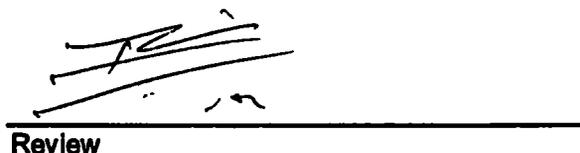
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	15.0	250	271	102%	75 - 125%
Diesel Range C10 - C28	ND	250	254	102%	75 - 125%

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 59889-59893, 59897, 59900-59912


Analyst


Review



Client:	ConocoPhillips	Project #:	92115-1966
Sample ID:	BGT Comp	Date Reported:	10-12-11
Laboratory Number:	59912	Date Sampled:	10-11-11
Chain of Custody:	12716	Date Received:	10-11-11
Sample Matrix:	Soil	Date Analyzed:	10-12-11
Preservative:	Cool	Date Extracted:	10-12-11
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	92.3 %
	1,4-difluorobenzene	94.8 %
	Bromochlorobenzene	96.7 %

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: **BGT Closure/ Sharp #2**


Analyst


Review



Client:	N/A	Project #:	N/A
Sample ID:	1012BBLK QA/QC	Date Reported:	10-12-11
Laboratory Number:	59900	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-12-11
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	3.6123E+006	3.6196E+006	0.2%	ND	0.1
Toluene	3.7472E+006	3.7547E+006	0.2%	ND	0.1
Ethylbenzene	4.5908E+001	4.6000E+001	0.2%	ND	0.1
p,m-Xylene	9.3435E+006	9.3622E+006	0.2%	ND	0.1
o-Xylene	3.1452E+006	3.1515E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	6.4	7.3	14.1%	0 - 30%	0.9
Toluene	115.9	121.6	4.9%	0 - 30%	1.0
Ethylbenzene	43.7	48.0	9.8%	0 - 30%	1.0
p,m-Xylene	136.0	146.7	7.9%	0 - 30%	1.2
o-Xylene	70.0	74.9	7.0%	0 - 30%	0.9

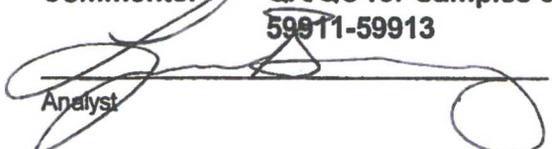
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	6.4	500	523	103%	39 - 150
Toluene	116	500	655	106%	46 - 148
Ethylbenzene	43.7	500	552	101%	32 - 160
p,m-Xylene	136	1000	1,200	106%	46 - 148
o-Xylene	70.0	500	572	100%	46 - 148

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 59889-59890, 59892-59893, 59897, 59900, 59904, 59907, 59911-59913


Analyst


Review



Client:	ConocoPhillips	Project #:	92115-1986
Sample ID:	BGT Comp	Date Reported:	10/12/11
Lab ID#:	59912	Date Sampled:	10/11/11
Sample Matrix:	Soil	Date Received:	10/11/11
Preservative:	Cool	Date Analyzed:	10/12/11
Condition:	Intact	Chain of Custody:	12716

Parameter	Concentration (mg/Kg)
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Total Chloride

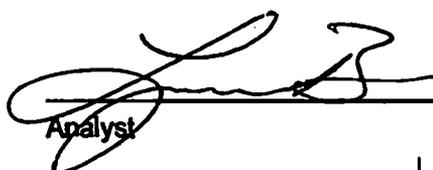
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Reference:

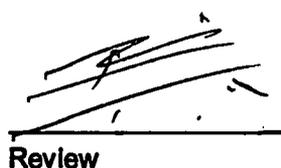
U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

BGT Closure / Sharp #2



Analyst



Review

Rush

CHAIN OF CUSTODY RECORD

12716

Client: <i>Corral Hills</i>		Project Name / Location: <i>BGT Closure / Shop #2</i>		ANALYSIS / PARAMETERS											
Client Address:		Sampler Name: <i>F. Aragon</i>		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact
Client Phone No.:		Client No.: <i>92115-1966</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	FCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact		
						H ₂ O	HCl	Cell														
<i>BGT Comp</i>	<i>10-11-11</i>	<i>11:30</i>	<i>59912</i>	<i>Soil Solid</i> / <i>Sludge Aqueous</i>	<i>1-402</i>			<i>X</i>	<i>X</i>	<i>X</i>								<i>X</i>		<i>Y</i>	<i>Y</i>	
				<i>Soil Solid</i> / <i>Sludge Aqueous</i>																		
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				<i>Soil Solid</i> / <i>Sludge Aqueous</i>																		
				<i>Soil Solid</i> / <i>Sludge Aqueous</i>																		
				<i>Soil Solid</i> / <i>Sludge Aqueous</i>																		

Relinquished by: (Signature) <i>[Signature]</i>	Date <i>10/11/11</i>	Time <i>13:30</i>	Received by: (Signature) <i>[Signature]</i>	Date <i>10/11/11</i>	Time <i>13:30</i>
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Rush



LOC 12766

PAGE NO: 1 OF 2
DATE STARTED: 10-11-11
DATE FINISHED:



ENVIRONMENTAL SPECIALIST:
F. Arago
LAT: 36.65678921
LONG: -107.71678301

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: Sharp WELL #: 02 TEMP PIT: PERMANENT PIT: BGT: X
LEGAL ADD: UNIT: P SEC: 8 TWP: 28N RNG: 18W PM:
QTR/FOOTAGE: 1050S/1050E CNTY: SS ST: N.M.

EXCAVATION APPROX: 3 FT. X 750 FT. X 4 FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: REMEDIATION METHOD:
LAND OWNER: Fed API: BGT / PIT VOLUME:
CONSTRUCTION MATERIAL: Steel DOUBLE-WALLED, WITH LEAK DETECTION:

LOCATION APPROXIMATELY: 70 FT. 150° FROM WELLHEAD
DEPTH TO GROUNDWATER:

- 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)
11:30	200 STD		-	-	-	207	
11:45	BENTON	1	5	20	4	57	228
		2					
		3					
		4					
		5					
		6					

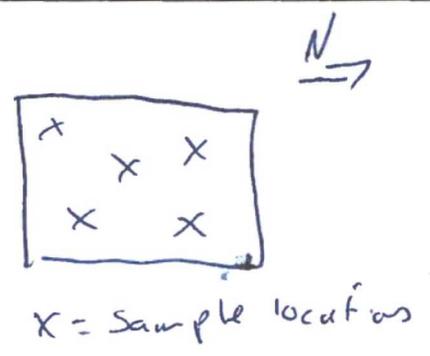
PERIMETER

FIELD CHLORIDES RESULTS

PROFILE



SAMPLE ID	READING	CALC. (mg/kg)
100 STD	100	
1	6.0	
1	1.2	34 ppm



PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
100 STD	100
1	85.0

LAB SAMPLES

NOTES:

SAMPLE ID	ANALYSIS	RESULTS
1	BENZENE	
1	BTEX	
1	GRO & DRO	
1	CHLORIDES	

Ranking:
WORKORDER # WHO ORDERED

Client: *Conoco ph-11. ps*



Project No: *92115-1966*
COC No: *12714*

FIELD REPORT: SPILL CLOSURE VERIFICATION
PAGE NO: 2 OF 2
DATE STARTED: 10-11-11
DATE FINISHED:
LOCATION: NAME: Shuff WELL #: 2
QUAD/UNIT: 18 SEC: 28N TWP: 18W RANG: PM: CNTY: SS ST: NM
QTR/FOOTAGE: 1050 South / 1050 E CONTRACTOR:
ENVIRONMENTAL SPECIALIST: F. Aragon

EXCAVATION APPROX: 20 FT. X 20 FT. X 4 FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: REMEDIATION METHOD:
LAND USE: grazing LEASE: LAND OWNER:
CAUSE OF RELEASE: BGT overflow MATERIAL RELEASED: Produced Water

SPILL LOCATED APPROXIMATELY: 70 FT. 150' FROM W.H
DEPTH TO GROUNDWATER: NA NEAREST WATER SOURCE: 2621460 NEAREST SURFACE WATER: 262'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM 100'

SOIL AND EXCAVATION DESCRIPTION: 100
*Collected 5pk BGT Comp; analyzed and reported info to Stelly @ 12:15
* Ranking changed from ~~10~~ 10 to 40 due to water well on site less than 100' and pond on site less than 100'; informed Stelly of Ranking.*

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm

SPILL PERIMETER	OVM RESULTS	SPILL PROFILE																									
<i>Water well house</i> <i>N</i> <i>20' H</i> <i>Pond</i> <i>Former BGT</i>	<table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.0</td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1	0.0															<i>N</i> <i>W.H</i> <i>70'</i> <i>150'</i> 							
	SAMPLE ID	FIELD HEADSPACE PID (ppm)																									
1	0.0																										
<table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>1</td><td>8021 / CC-</td><td>11-95</td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	ANALYSIS	TIME	1	8021 / CC-	11-95																					
SAMPLE ID	ANALYSIS	TIME																									
1	8021 / CC-	11-95																									

TRAVEL NOTES: _____ CALLED OUT: _____ ONSITE: _____