

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

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

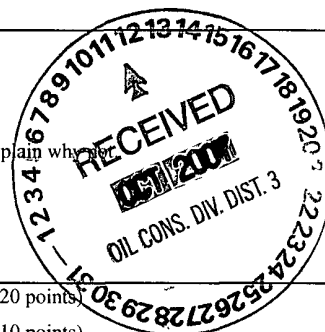
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>Chevron Production Co.</u> Telephone: <u>(505) 334-7117</u> e-mail address: <u>MArcher@chevron.com</u>		
Address: <u>322 County Road 3100, Aztec, NM 87410</u>		
Facility or well name: <u>Rincon #5807</u> API #: <u>30-039-06956</u> U/L or Qtr/Qtr <u>M</u> Sec <u>24</u> T <u>27</u> N <u>R</u> <u>7W</u>		
County: <u>Rio Arriba</u> Latitude <u>36.55537</u> Longitude <u>-107 53282</u> NAD: 1927 ☒ 1983 ☐		
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐		
Pit Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness <u>2 Layers of 6mil plastic with thin fiberglass layer between</u> Clay ☐ Pit Volume <u>6</u> bbl	Below-grade tank Volume: <u> </u> bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why <u> </u>	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 0
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) 0
Distance to surface water. (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) 0
Ranking Score (Total Points)		0



If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface ft. and attach sample results.

(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:
Soil passed TPH standard of 5000 ppm using USEPA Method 418.1 and 10 ppm Benzene and 50 ppm BTEX standard for the soil inside the lined pit and 3 feet below lowest layer of liner.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10-10-07

Printed Name/Title Mr. Michael W. Archer - HES Specialist

Signature Michael W. Archer

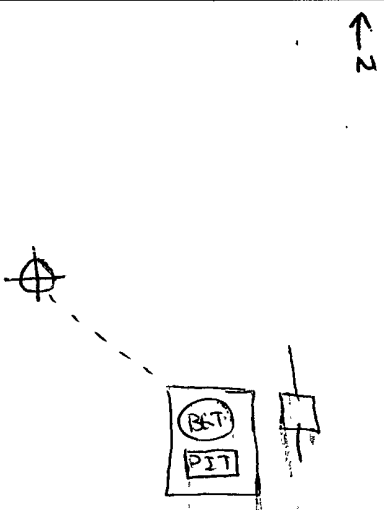
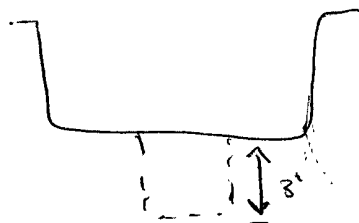
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
DEPUTY OIL & GAS INSPECTOR, DIST. 4

Printed Name/Title Bob O'Fallon

Signature Bob O'Fallon

Date: OCT 29 2007

CLIENT: _____ <u>92270-170-009</u>	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 84-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____ C.O.C. NO: _____																																
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: _____ of _____																																
LOCATION: NAME: <u>RINCON</u> WELL #: <u>58</u> PIT: _____ QUAD/UNIT: <u>M</u> SEC: <u>24</u> TWP: <u>27</u> RNG: <u>7</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>990' FSL 890' FWC</u> CONTRACTOR: _____		DATE STARTED <u>08/29/07</u> DATE FINISHED <u>09/13/07</u> ENVIRONMENTAL SPECIALIST: <u>ENR/RLK/LWC</u>																																
EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP CUBIC YARDAGE: _____ DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____ LAND USE: _____ LEASE: <u>SF 079298-D</u> FORMATION: _____																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>147</u> FT. <u>140°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>200</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u> NMOC RANKING SCORE: <u>0</u> NMOC TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION:																																		
WATER B/W LINERS <u>11X7X2</u>		CHECK ONE : ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED																																
FIELD 418.1 CALCULATIONS																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TIME</th> <th>SAMPLE I.D</th> <th>LAB No</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC ppm</th> </tr> </thead> <tbody> <tr> <td></td> <td><u>200 STD</u></td> <td></td> <td></td> <td></td> <td></td> <td><u>199</u></td> <td></td> </tr> <tr> <td></td> <td><u>PIT</u></td> <td><u>1</u></td> <td><u>5</u></td> <td><u>20</u></td> <td><u>4</u></td> <td><u>427</u></td> <td><u>1708</u></td> </tr> <tr> <td></td> <td><u>3' BELOW PIT</u></td> <td><u>2</u></td> <td><u>5</u></td> <td><u>20</u></td> <td><u>4</u></td> <td><u>15</u></td> <td><u>60</u></td> </tr> </tbody> </table>			TIME	SAMPLE I.D	LAB No	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC ppm		<u>200 STD</u>					<u>199</u>			<u>PIT</u>	<u>1</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>427</u>	<u>1708</u>		<u>3' BELOW PIT</u>	<u>2</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>15</u>	<u>60</u>
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SCALE  0 FT	PIT PERIMETER 	OVM RESULTS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td><u>1</u></td><td><u>452</u></td></tr> <tr><td><u>2</u></td><td><u>1625</u></td></tr> <tr><td><u>3</u></td><td></td></tr> <tr><td><u>4</u></td><td></td></tr> <tr><td><u>5</u></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> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	<u>1</u>	<u>452</u>	<u>2</u>	<u>1625</u>	<u>3</u>		<u>4</u>		<u>5</u>																					
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PIT PROFILE 																																		
TRAVEL NOTES. CALLOUT: _____ ONSITE: _____																																		

30-039-06956

36.55537 -107.53282

14:45 - 15:00

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Chevron Production	Project #:	92270-170-009
Sample No.:	1	Date Reported:	9/19/2007
Sample ID:	Composite, Inside Lined Pit	Date Sampled:	8/29/2007
Sample Matrix:	Soil	Date Analyzed:	8/29/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

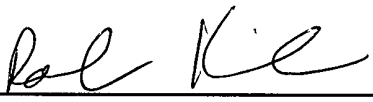
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,710	5.0

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: **Rincon #58**

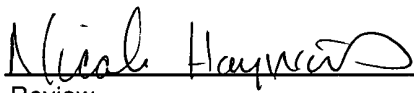
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Robin Kibler

Printed



Review

Nicole Hayworth

Printed

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 29-Aug-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	199
	500	
	1000	

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

Rol Kl
Analyst

9/19/07
Date

Robin Kibler
Printed

Nicol Hayworth
Review

09/19/07
Date

Nicole Hayworth
Printed

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-170-009
Sample No.:	2	Date Reported:	9/19/2007
Sample ID:	Discrete, 3' below Pit	Date Sampled:	9/13/2007
Sample Matrix:	Soil	Date Analyzed:	9/13/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	60	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: **Rincon #58**

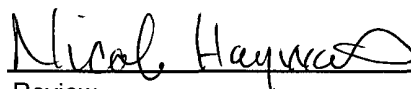
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Greg Crabtree

Printed



Review

Nicole Hayworth

Printed

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 13-Sep-07

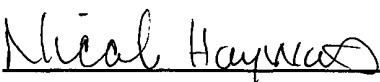
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	179
	200	
	500	
	1000	

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


Analyst

9/19/07
Date

Greg Crabtree
Printed


Review

09/19/07
Date

Nicole Hayworth
Printed

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-170-008
Sample ID:	Pit	Date Reported:	09-04-07
Laboratory Number:	42925	Date Sampled:	08-29-07
Chain of Custody:	3330	Date Received:	08-29-07
Sample Matrix:	Soil	Date Analyzed:	09-04-07
Preservative:	Cool	Date Extracted:	08-31-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	16.8	0.9
Toluene	175	1.0
Ethylbenzene	273	1.0
p,m-Xylene	2,110	1.2
o-Xylene	1,340	0.9
Total BTEX	3,910	

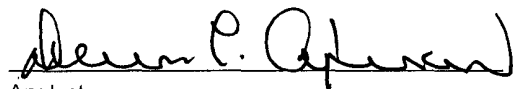
ND - Parameter not detected at the stated detection limit.

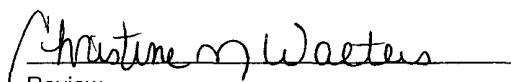
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

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: Rincon #58


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-04-BTEX QA/QC	Date Reported:	09-04-07
Laboratory Number:	42915	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-04-07
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	1 0714E+008	1 0736E+008	0.2%	ND	0.1
Toluene	8 8479E+007	8 8656E+007	0.2%	ND	0.1
Ethylbenzene	6 7263E+007	6 7397E+007	0.2%	ND	0.1
p,m-Xylene	1 2537E+008	1 2562E+008	0.2%	ND	0.1
o-Xylene	6 0211E+007	6 0332E+007	0.2%	ND	0.1

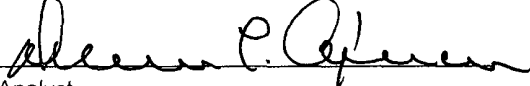
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	6.1	6.0	1.6%	0 - 30%	1.0
Ethylbenzene	4.5	4.5	0.0%	0 - 30%	1.0
p,m-Xylene	17.1	17.0	0.6%	0 - 30%	1.2
o-Xylene	5.6	5.6	0.0%	0 - 30%	0.9

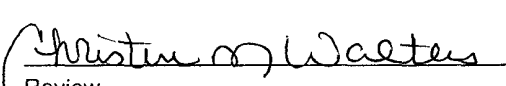
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	6.1	50.0	56.0	99.8%	46 - 148
Ethylbenzene	4.5	50.0	54.5	100.0%	32 - 160
p,m-Xylene	17.1	100	117	99.8%	46 - 148
o-Xylene	5.6	50.0	55.5	99.8%	46 - 148

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 42915 - 42922, 42924 - 42925


Analyst


Review

CHAIN OF CUSTODY RECORD

3330

Client: Chevron			Project Name / Location: Rincon # 258 58			ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: R Kibler			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)					Sample Cool	Sample Intact
Client Phone No :			Client No : 92220-170-008																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No /Volume of Containers	Preservative														
						H ₂ Cl ₂	HNO ₃													
PIT	8-29		42925	Soil					X										✓	✓
Relinquished by: (Signature) [Signature]					Date	Time	Received by: (Signature) [Signature]					Date	Time							
					8-29-07	4:55						8/29/07	1655							
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-170-009
Sample ID:	3' Below Pit	Date Reported:	09-17-07
Laboratory Number:	43072	Date Sampled:	09-13-07
Chain of Custody:	3385	Date Received:	09-13-07
Sample Matrix:	Soil	Date Analyzed:	09-17-07
Preservative:	Cool	Date Extracted:	09-14-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	11.0	1.0
Ethylbenzene	20.0	1.0
p,m-Xylene	260	1.2
o-Xylene	117	0.9
Total BTEX	408	

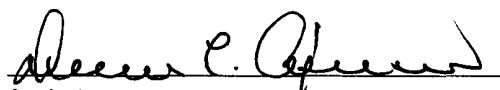
ND - Parameter not detected at the stated detection limit.

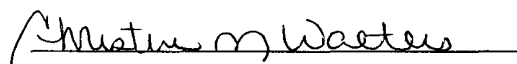
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Rincon 58


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-17-BTEX QA/QC	Date Reported:	09-17-07
Laboratory Number:	43070	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-17-07
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	1.1598E+008	1.1621E+008	0.2%	ND	0.1
Toluene	1.0195E+008	1.0216E+008	0.2%	ND	0.1
Ethylbenzene	8.0962E+007	8.1125E+007	0.2%	ND	0.1
p,m-Xylene	1.5312E+008	1.5343E+008	0.2%	ND	0.1
o-Xylene	7.3622E+007	7.3769E+007	0.2%	ND	0.1

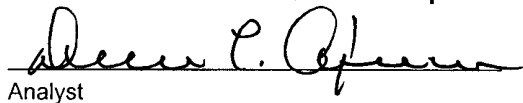
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	236	235	0.4%	0 - 30%	1.0
Ethylbenzene	110	109	0.9%	0 - 30%	1.0
p,m-Xylene	493	492	0.2%	0 - 30%	1.2
o-Xylene	175	174	0.6%	0 - 30%	0.9

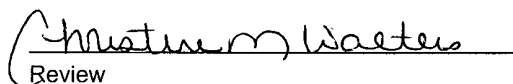
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	236	50.0	285	99.7%	46 - 148
Ethylbenzene	110	50.0	159	99.6%	32 - 160
p,m-Xylene	493	100	591	99.7%	46 - 148
o-Xylene	175	50.0	224	99.6%	46 - 148

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 43070 - 43072, 43074 - 43080


Analyst


Review

CHAIN OF CUSTODY RECORD

3385

Client: CHEYRON			Project Name / Location: RINCON SG			ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: N. HAYWORTH			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)					Sample Cool	Sample Intact
Client Phone No.:			Client No.: 92270-170-009																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No /Volume of Containers	Preservative H ₂ O ₂ HNO ₃														
3' BELOW PIT	09/13/07		43072	SOIL	1															
Relinquished by: (Signature) Nicole Hayworth					Date 09/13/07	Time 17:19	Received by: (Signature) Christine M Walters					Date 9/13/07	Time 1719							
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													
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