

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- 144
June 1, 2004

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>Apache Corporation</u> Telephone: <u>(432) 527-3311</u> e-mail address: <u>Harold.Swain@usa.apachecorp.com</u>		
Address: <u>P.O. Box 848</u> <u>Wink, Texas</u> <u>79789</u>		
Facility or well name: <u>Hawk "B-1" #47</u> #: <u>30-025-37743</u> U/L or Qtr/Qtr <u>J</u> Sec <u>9</u> T <u>21S</u> R <u>37E</u>		
County: <u>Lea</u> Latitude <u>N 32 deg 29.390'</u> Longitude <u>W 103 deg 10.027'</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input checked="" type="checkbox"/>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>7000</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) <u>67 Feet</u> 100 feet or more (0 points)	
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)	
Ranking Score (Total Points) <u>10</u>		

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: All fluids were removed from the pit. The burial pit was constructed adjacent to the drilling pit and lined with a 12 ml liner.
The liner and impacted material was placed in the burial pit, completely encapsulated and capped with a 20 ml liner, and covered with 3 feet of topsoil to grade.
Any hydrocarbon impacted soil was disposed at an NMOCD approved facility. Samples were collected below the liner and results are attached to this form.

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: January 29, 2007

Printed Name/Title: Cindy Crain/Geologist - As Agent for Apache Corp.

Signature Cindy Crain

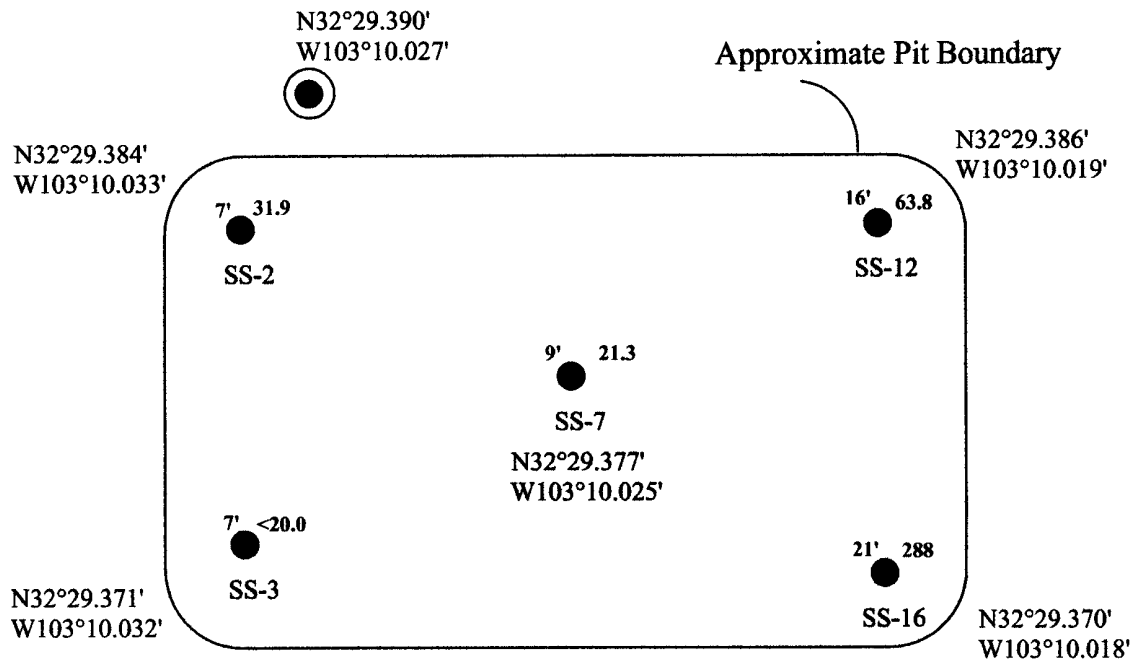
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

Approval:

Printed Name/Title L. JOHNSON ENVIRO ENGR

Signature [Signature]

Date: 2.2.07

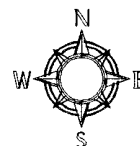


LEGEND

7' 31.9
SS-2
Soil sample location at depth, feet, with field analysis chloride concentration (mg/kg).

N32°29.384'
W103°10.033'
GPS Coordinates

Well location



DATE: 1-29-07
NAME: CHH
PROJECT NO.:

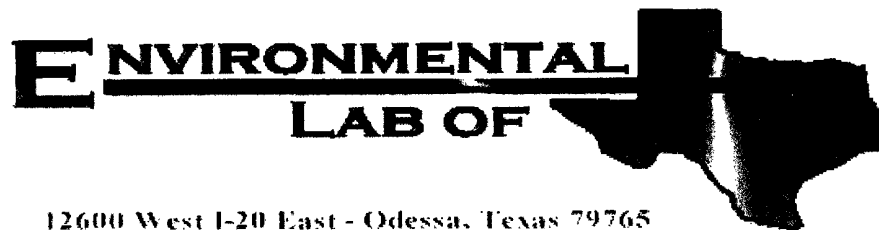
FIGURE # 1

LEA COUNTY, NEW MEXICO

Hawk B 1 #47
Sec.9, T21S, R37E

Site Drawing
(Not to Scale)

Ocotillo



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Apache- Hawk B 1 #47

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 6L28003

Report Date: 12/31/06

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-3 7'	6L28003-01	Soil	12/21/06 08:09	12-28-2006 12:40
SS-2 7'	6L28003-02	Soil	12/21/06 08:07	12-28-2006 12:40
SS-7 9'	6L28003-03	Soil	12/21/06 09:00	12-28-2006 12:40
SS-9 16'	6L28003-04	Soil	12/21/06 09:13	12-28-2006 12:40
SS-12 16'	6L28003-05	Soil	12/21/06 09:30	12-28-2006 12:40

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-3 7' (6L28003-01) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL62905	12/29/06	12/29/06	SW 846 9253	
SS-2 7' (6L28003-02) Soil									
Chloride	31.9	20.0	mg/kg Wet	2	EL62905	12/29/06	12/29/06	SW 846 9253	
SS-7 9' (6L28003-03) Soil									
Chloride	21.3	20.0	mg/kg Wet	2	EL62905	12/29/06	12/29/06	SW 846 9253	
SS-9 16' (6L28003-04) Soil									
Chloride	1380	20.0	mg/kg Wet	2	EL62905	12/29/06	12/29/06	SW 846 9253	
SS-12 16' (6L28003-05) Soil									
Chloride	63.8	20.0	mg/kg Wet	2	EL62905	12/29/06	12/29/06	SW 846 9253	

Environmental Lab of Texas

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Page 2 of 4

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EL62905 - General Preparation (WetChem)									
Blank (EL62905-BLK1)				Prepared & Analyzed: 12/29/06					
Chloride	ND	10.0	mg/kg Wet						
LCS (EL62905-BS1)				Prepared & Analyzed: 12/29/06					
Chloride	91.5	5.00	mg/kg Wet	100		91.5	80-120		
Matrix Spike (EL62905-MS1)				Source: 6L28003-04		Prepared & Analyzed: 12/29/06			
Chloride	1810	20.0	mg/kg Wet	500	1380	86.0	80-120		
Matrix Spike Dup (EL62905-MSD1)				Source: 6L28003-04		Prepared & Analyzed: 12/29/06			
Chloride	1810	20.0	mg/kg Wet	500	1380	86.0	80-120	0.00	20
Reference (EL62905-SRM1)				Prepared & Analyzed: 12/29/06					
Chloride	53.2		mg/kg	50.0		106	80-120		

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

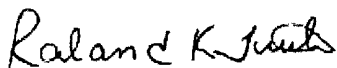
Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

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
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

12/31/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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Environmental Lab of Texas

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Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Cindy Crain

Project Name: Apache - Hawk B1#47

Company Name: Ocotillo Environmental, LLC

Project #: _____

Company Address: 2125 French Drive, P.O. Box 1816

Project Loc: Enice, NM

City/State/Zip: Hobbs, NM 88241

PO #: _____

Telephone No: (505) 441-7244

Fax No: (432) 367-8747

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Cassie Hester

e-mail: cindy.crain@gmail.com

(lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers	Matrix	Analyze For:										RUSH TAT (pre-schedule) 24, 48, 72 hrs	Standard TAT							
LAB # (lab use only)	ORDER #											TPH: 418.1	TPH: 8015M	TPH: 8015B	TPH: TX 1005	TPH: TX 1006	Calions (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Sb	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.					
-01	SS-3	7'	7'	12/2/06	8:09	1																								
-02	SS-2	7'	7'		8:07	1																								
-03	SS-7	9'	9'		9:00	1																								
-04	SS-9	16'	16'		9:13	1																								
-05	SS-12	16'	16'		9:30	1																								

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time	Laboratory Comments: Sample Containers Intact? <input checked="" type="checkbox"/> N VOCs Free of Headspace? <input checked="" type="checkbox"/> N Labels on container(s) <input checked="" type="checkbox"/> N Custody seals on container(s) <input checked="" type="checkbox"/> N Custody seals on cooler(s) <input checked="" type="checkbox"/> N Sample Hand Delivered <input checked="" type="checkbox"/> N by Sample Client Rep. ? <input checked="" type="checkbox"/> N by Courier? <input type="checkbox"/> UPS <input type="checkbox"/> DHL <input type="checkbox"/> FedEx <input type="checkbox"/> Lone Star Temperature Upon Receipt: 3.0 °C
Relinquished by:	Date	Time	Received by:	Date	Time	
Relinquished by:	Date	Time	Received by:	Date	Time	

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Ocotillo Environmental
Date/ Time: 12-28-06 @ 1240
Lab ID #: 6L28003
Initials: JMM

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	3.0 °C	
#2	Shipping container in good condition?	Yes	No	N/A	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	<u>N/A</u>
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by EL0T?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>	

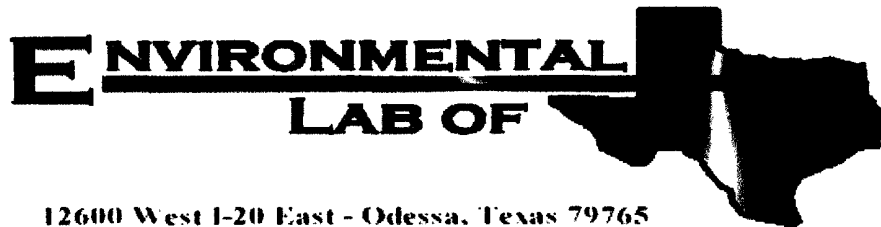
Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event



12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories, Inc. Company

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Apache- Hawk B 1 #47

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 7A26002

Report Date: 01/26/07

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-16	7A26002-01	Soil	01/25/07 15:00	01-26-2007 09:30

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-16 (7A26002-01) Soil									
Chloride	288	10.0	mg/kg	20	FA72603	01/26/07	01/26/07	EPA 300.0	

Environmental Lab of Texas

A Xenco Laboratories, Inc. Company

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Page 2 of 4

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA72603 - Water Extraction										
Blank (EA72603-BLK1)				Prepared & Analyzed: 01/26/07						
Chloride	ND	0.500	mg/kg							
LCS (EA72603-BS1)				Prepared & Analyzed: 01/26/07						
Chloride	11.0	0.500	mg/kg	10.0		110	80-120			
Calibration Check (EA72603-CCV1)				Prepared & Analyzed: 01/26/07						
Chloride	11.1		mg/L	10.0		111	80-120			
Duplicate (EA72603-DUP1)				Source: 7A26002-01		Prepared & Analyzed: 01/26/07				
Chloride	281	10.0	mg/kg		288			2.46	20	
Matrix Spike (EA72603-MS1)				Source: 7A26002-01		Prepared & Analyzed: 01/26/07				
Chloride	525	10.0	mg/kg	200	288	118	80-120			

Environmental Lab of Texas

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Page 3 of 4

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Apache- Hawk B 1 #47
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

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
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Coley D. Keene

Date:

01/26/07

Brent Barron, Laboratory Director/Corp. Technical Director
Coley D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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Environmental Lab of Texas
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Page 4 of 4

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East
Odessa, Texas 79765**

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Cindy Crain

Project Name: Apache - Hawk B1#47

Company Name Ocotillo Environmental, LLC

Project #:

Company Address: 2125 French Drive, P.O. Box 1818

Project Loc: Eunice, NM

City/State/Zip: Hobbs, NM 88241

PQ#: _____

Telephone No: (505) 441-7244 Fax No: (432) 367-8747

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Cindy Crain e-mail: cindy.crain@gmail.com

e-mail: cindy.crain@gmail.com

[illegible]

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Uc6t110
 Date/ Time: 11/26/07 9:30
 Lab ID #: 7A24002
 Initials: CL

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	Yes	No	9.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Coat/ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event