

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

February 2, 2006

Ronnie Westbrook
John H. Hendrix Corp., (JHC)
110 N. Marienfeld St., Ste. 400
Midland, TX 79701

Re: EW Walden/Robert Cuerto Property-surface clean-up approval
Site Location: UL-C, Sec 15-T22S-R37E
Dated: November 4, 2005

Dear Mr. Westbrook,

New Mexico Oil Conservation Division (OCD) reviewed the plan prepared by Larson & Associates for JHC and referenced above. The plan is **hereby approved** according to the information provided.

Please be advised that OCD approval of this plan does not relieve JHC of liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. In addition, OCD approval does not relieve JHC of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please write or call: (505) 393-6161, ext. 113, or e-mail:
paul.shееeley@state.nm.us

Sincerely,

Paul Sheeley-Environmental Engineer

Cc: Robert Cuerto
Wayne Price - Environmental Bureau Chief
Chris Williams - District I Supervisor
Larry Johnson - Environmental Engineer
Mark Larson - Larson & Associates

December 16, 2005

VIA EMAIL: paul.sheeley@state.nm.us

Mr. Paul Sheeley
Environmental Engineer
State of New Mexico
Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Re: Laboratory Analysis of Contaminated Soil from Offsite Remediation Area, E. W. Walden Tank Battery, John H. Hendrix Corporation, Unit Letter C (NE/4, NW/4), Section 15, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Sheeley:

This letter is submitted to the State of New Mexico Oil Conservation Division ("OCD") on behalf of John H. Hendrix Corporation ("JHHC") by Larson and Associates, Inc. ("LA"), its consultant, and presents laboratory analysis of soil samples from contaminated soil hauled to the JHHC landfarm (MW-02-0021) between November 21 and 22, 2005.

Per your request, LA personnel collected one sample for about every one hundred (100) cubic yards of soil hauled to the landfarm from the above-referenced remediation project. Three (3) samples were analyzed by Environmental Lab of Texas, Inc. ("ELTI"), located in Odessa, Texas, for benzene, toluene, ethyl benzene, xylene ("BTEX") total petroleum hydrocarbons ("TPH") and chloride. The samples were collected in laboratory prepared 4-ounce glass jars, which were labeled, chilled in an ice chest and delivered under chain of custody control to ELTI. No BTEX was reported in the samples. TPH ranged from less than the method detection limit of 10 mg/Kg (Load #24) to 44.8 mg/Kg (Load #8). Chloride ranged from 35.8 mg/Kg (Load #24) to 93.2 mg/Kg (Load #8). JHHC requests no further action for this site. Please call Mr. Marvin Burrows with JHHC at (505) 394-2649, myself at (432) 697-0901 or email mburrows@valornet.com or mark@laenvironmental.com, if you have questions.

Sincerely,

Larson and Associates, Inc.



Mark J. Larson, P.G., C.P.G., C.G.W.P.
Senior Hydrogeologist/President

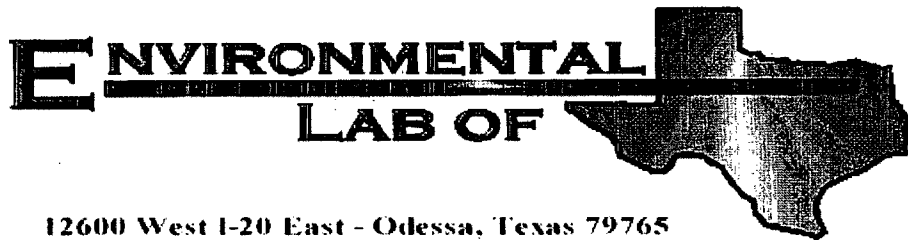
Encl.

cc: Marvin Burrows
Ronnie Westbrook



Attachment A
Laboratory Report





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

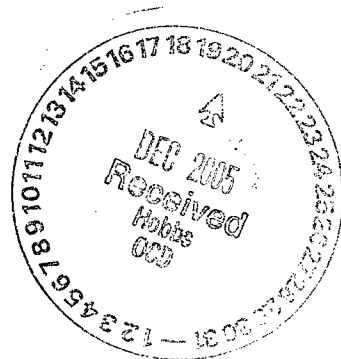
Project: John Hendrix/ Land Farm

Project Number: 4-0110

Location: None Given

Lab Order Number: 5K30023

Report Date: 12/07/05



Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

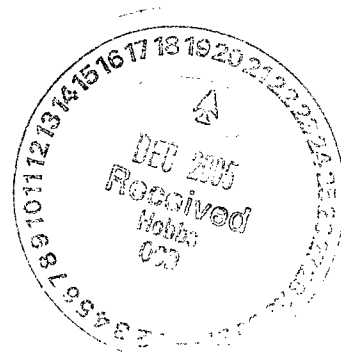
Project: John Hendrix/ Land Farm
Project Number: 4-0110
Project Manager: Mark Larson

Fax: (432) 687-0456

Reported:
12/07/05 12:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Load #8	5K30023-01	Soil	11/21/05 11:12	11/30/05 16:00
Load #16	5K30023-02	Soil	11/21/05 14:45	11/30/05 16:00
Load #24	5K30023-03	Soil	11/22/05 11:45	11/30/05 16:00



Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: John Hendrix/ Land Farm
Project Number: 4-0110
Project Manager: Mark Larson

Fax: (432) 687-0456

Reported:
12/07/05 12:06

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Load #8 (5K30023-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL50509	12/05/05	12/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL50203	12/02/05	12/03/05	EPA 8015M	
Diesel Range Organics >C12-C35	44.8	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	44.8	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		103 %	70-130		"	"	"	"	
Load #16 (5K30023-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL50509	12/05/05	12/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL50203	12/02/05	12/03/05	EPA 8015M	
Diesel Range Organics >C12-C35	20.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	20.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		103 %	70-130		"	"	"	"	
Load #24 (5K30023-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL50509	12/05/05	12/05/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EL50203	12/02/05	12/03/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 2 of 9

Larson & Associates, Inc.	Project: John Hendrix/ Land Farm	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0110	Reported:
Midland TX, 79710	Project Manager: Mark Larson	12/07/05 12:06

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Load #24 (5K30023-03) Soil									
Surrogate: 1-Chlorooctane		86.2 %	70-130		EL50203	12/02/05	12/03/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		95.0 %	70-130		"	"	"	"	



Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: John Hendrix/ Land Farm
Project Number: 4-0110
Project Manager: Mark Larson

Fax: (432) 687-0456

Reported:
12/07/05 12:06

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Load #8 (5K30023-01) Soil									
Chloride	93.2	5.00	mg/kg	10	EL50208	12/01/05	12/02/05	EPA 300.0	
% Moisture	8.6	0.1	%	1	EL50101	11/30/05	12/01/05	% calculation	
Load #16 (5K30023-02) Soil									
Chloride	49.5	5.00	mg/kg	10	EL50208	12/01/05	12/02/05	EPA 300.0	
% Moisture	3.5	0.1	%	1	EL50101	11/30/05	12/01/05	% calculation	
Load #24 (5K30023-03) Soil									
Chloride	35.8	5.00	mg/kg	10	EL50208	12/01/05	12/02/05	EPA 300.0	
% Moisture	23.3	0.1	%	1	EL50101	11/30/05	12/01/05	% calculation	



Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: John Hendrix/ Land Farm
Project Number: 4-0110
Project Manager: Mark Larson

Fax: (432) 687-0456
Reported:
12/07/05 12:06

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EL50203 - Solvent Extraction (GC)

Blank (EL50203-BLK1)

Prepared: 12/02/05 Analyzed: 12/03/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	70-130			
Surrogate: 1-Chlorooctadecane	50.1		"	50.0		100	70-130			

LCS (EL50203-BS1)

Prepared: 12/02/05 Analyzed: 12/03/05

Gasoline Range Organics C6-C12	416	10.0	mg/kg wet	500		83.2	75-125			
Diesel Range Organics >C12-C35	485	10.0	"	500		97.0	75-125			
Total Hydrocarbon C6-C35	901	10.0	"	1000		90.1	75-125			
Surrogate: 1-Chlorooctane	57.5		mg/kg	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	54.9		"	50.0		110	70-130			

Calibration Check (EL50203-CCV1)

Prepared: 12/02/05 Analyzed: 12/03/05

Gasoline Range Organics C6-C12	438		mg/kg	500		87.6	80-120			
Diesel Range Organics >C12-C35	531		"	500		106	80-120			
Total Hydrocarbon C6-C35	969		"	1000		96.9	80-120			
Surrogate: 1-Chlorooctane	56.4		"	50.0		113	70-130			
Surrogate: 1-Chlorooctadecane	53.4		"	50.0		107	70-130			

Matrix Spike (EL50203-MS1)

Source: 5K30021-01

Prepared: 12/02/05 Analyzed: 12/05/05

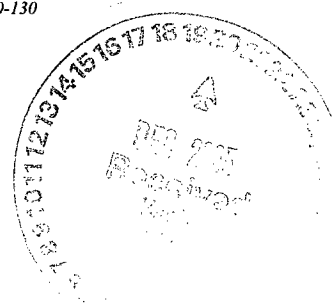
Gasoline Range Organics C6-C12	384	10.0	mg/kg dry	510	ND	75.3	75-125			
Diesel Range Organics >C12-C35	480	10.0	"	510	ND	94.1	75-125			
Total Hydrocarbon C6-C35	864	10.0	"	1020	ND	84.7	75-125			
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.8	70-130			
Surrogate: 1-Chlorooctadecane	53.6		"	50.0		107	70-130			

Matrix Spike Dup (EL50203-MSD1)

Source: 5K30021-01

Prepared: 12/02/05 Analyzed: 12/05/05

Gasoline Range Organics C6-C12	383	10.0	mg/kg dry	510	ND	75.1	75-125	0.261	20	
Diesel Range Organics >C12-C35	461	10.0	"	510	ND	90.4	75-125	4.04	20	
Total Hydrocarbon C6-C35	844	10.0	"	1020	ND	82.7	75-125	2.34	20	
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	70-130			
Surrogate: 1-Chlorooctadecane	53.8		"	50.0		108	70-130			



Environmental Lab of Texas

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: John Hendrix/ Land Farm
Project Number: 4-0110
Project Manager: Mark Larson

Fax: (432) 687-0456

Reported:
12/07/05 12:06

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EL50509 - EPA 5030C (GC)

Blank (EL50509-BLK1)

Prepared & Analyzed: 12/05/05

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	32.8		ug/kg	40.0		82.0	80-120			
Surrogate: 4-Bromofluorobenzene	39.8		"	40.0		99.5	80-120			

LCS (EL50509-BS1)

Prepared & Analyzed: 12/05/05

Benzene	0.0555	0.00100	mg/kg wet	0.0500		111	80-120			
Toluene	0.0574	0.00100	"	0.0500		115	80-120			
Ethylbenzene	0.0521	0.00100	"	0.0500		104	80-120			
Xylene (p/m)	0.0985	0.00100	"	0.100		98.5	80-120			
Xylene (o)	0.0512	0.00100	"	0.0500		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.4		ug/kg	40.0		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	35.8		"	40.0		89.5	80-120			

Calibration Check (EL50509-CCV1)

Prepared & Analyzed: 12/05/05

Benzene	0.0445		mg/kg wet	0.0500		89.0	80-120			
Toluene	0.0450		"	0.0500		90.0	80-120			
Ethylbenzene	0.0406		"	0.0500		81.2	80-120			
Xylene (p/m)	0.0809		"	0.100		80.9	80-120			
Xylene (o)	0.0415		"	0.0500		83.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	33.0		ug/kg	40.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	32.1		"	40.0		80.2	80-120			

Matrix Spike (EL50509-MS1)

Source: 5K30023-01

Prepared: 12/05/05 Analyzed: 12/06/05

Benzene	0.0459	0.00100	mg/kg dry	0.0547	ND	83.9	80-120			
Toluene	0.0497	0.00100	"	0.0547	ND	90.9	80-120			
Ethylbenzene	0.0484	0.00100	"	0.0547	ND	88.5	80-120			
Xylene (p/m)	0.0930	0.00100	"	0.109	ND	85.3	80-120			
Xylene (o)	0.0479	0.00100	"	0.0547	ND	87.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.2		ug/kg	40.0		88.0	80-120			
Surrogate: 4-Bromofluorobenzene	44.1		"	40.0		110	80-120			



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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: John Hendrix/ Land Farm
Project Number: 4-0110
Project Manager: Mark Larson

Fax: (432) 687-0456
Reported:
12/07/05 12:06

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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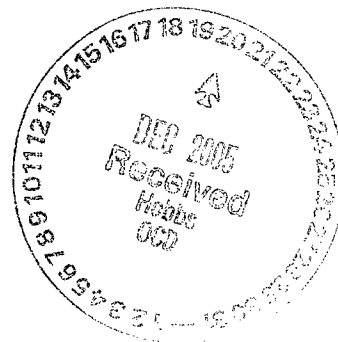
Batch EL50509 - EPA 5030C (GC)

Matrix Spike Dup (EL50509-MSD1)

Source: 5K30023-01

Prepared: 12/05/05 Analyzed: 12/06/05

Benzene	0.0482	0.00100	mg/kg dry	0.0547	ND	88.1	80-120	4.88	20	
Toluene	0.0528	0.00100	"	0.0547	ND	96.5	80-120	5.98	20	
Ethylbenzene	0.0500	0.00100	"	0.0547	ND	91.4	80-120	3.22	20	
Xylene (p/m)	0.0961	0.00100	"	0.109	ND	88.2	80-120	3.34	20	
Xylene (o)	0.0488	0.00100	"	0.0547	ND	89.2	80-120	1.81	20	
Surrogate: a,a,a-Trifluorotoluene	35.6		ug/kg	40.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	40.6		"	40.0		102	80-120			



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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: John Hendrix/ Land Farm
Project Number: 4-0110
Project Manager: Mark Larson

Fax: (432) 687-0456

Reported:
12/07/05 12:06

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
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Batch EL50101 - General Preparation (Prep)

Blank (EL50101-BLK1)

Prepared: 11/30/05 Analyzed: 12/01/05

% Solids 100 %

Duplicate (EL50101-DUP1)

Source: 5K29024-01

Prepared: 11/30/05 Analyzed: 12/01/05

% Solids 99.4 % 99.6 0.201 20

Batch EL50208 - Water Extraction

Blank (EL50208-BLK1)

Prepared: 12/01/05 Analyzed: 12/02/05

Chloride ND 0.500 mg/kg

LCS (EL50208-BS1)

Prepared: 12/01/05 Analyzed: 12/02/05

Chloride 8.00 mg/L 10.0 80.0 80-120

Calibration Check (EL50208-CCV1)

Prepared: 12/01/05 Analyzed: 12/02/05

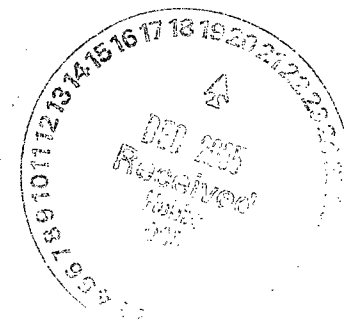
Chloride 8.00 mg/L 10.0 80.0 80-120

Duplicate (EL50208-DUP1)

Source: 5K30023-01

Prepared: 12/01/05 Analyzed: 12/02/05

Chloride 80.9 5.00 mg/kg 93.2 14.1 20



Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: John Hendrix/ Land Farm
Project Number: 4-0110
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Fax: (432) 687-0456
Reported:
12/07/05 12:06

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:

Raland K. Tuttle

Date:

12/7/2005

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.

If you have received this material in error, please notify us immediately at 432-563-1800.



Environmental Lab of Texas

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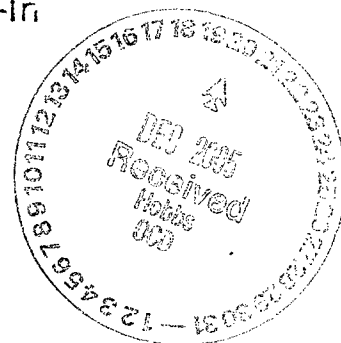
Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client: Larson

Date/Time: 11/30/05 16:00

Order #: 5K30023

Initials: CR



Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	6.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	Yes	No	FD on lid
Container labels legible and intact?	Yes	No	w/a
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:

Variance Documentation:

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

Corrective Action Taken:
