Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

January 14, 2009

New Mexico Oil Conservation Division
Mrs. Sherry Bohnam
1301 West Grand Ave.
Artesia, New Mexico 88210

Re: Remediation Plan for Leak
Oxy USA – Coyote 21 #2 Battery
UL 'N' Sec. 21 T24S R29E Eddy County
2RP-280

Mrs. Sherry Bohnam,

Elke Environmental was contracted by Oxy USA to complete the remediation of the leak at the Coyote 21 #2 Battery. A delineation of the site was completed using an air rotary rig. The ranking criteria for this site is as follows: Surface Body of Water – 0 points (1200' from Pecos River); Wellhead Protection Area – 0 points; Groundwater Depth – 20 points (GW < 50'). The total ranking for the site is 20 points. Attached is a plat map, field analytical and lab confirmation for the site.

Oxy USA proposes to excavate 4' of impacted soil and haul to CRI Disposal. The excavation will be backfilled with clean native soil. A 20 mil poly liner will be installed on the surface of the site with 4 oz geo-textile liner below the poly liner. The poly liner will have a layer of pea gravel installed above it. A final report will be submitted at the completion of the remediation. If you have any questions about the enclosed report please contact me at the office.

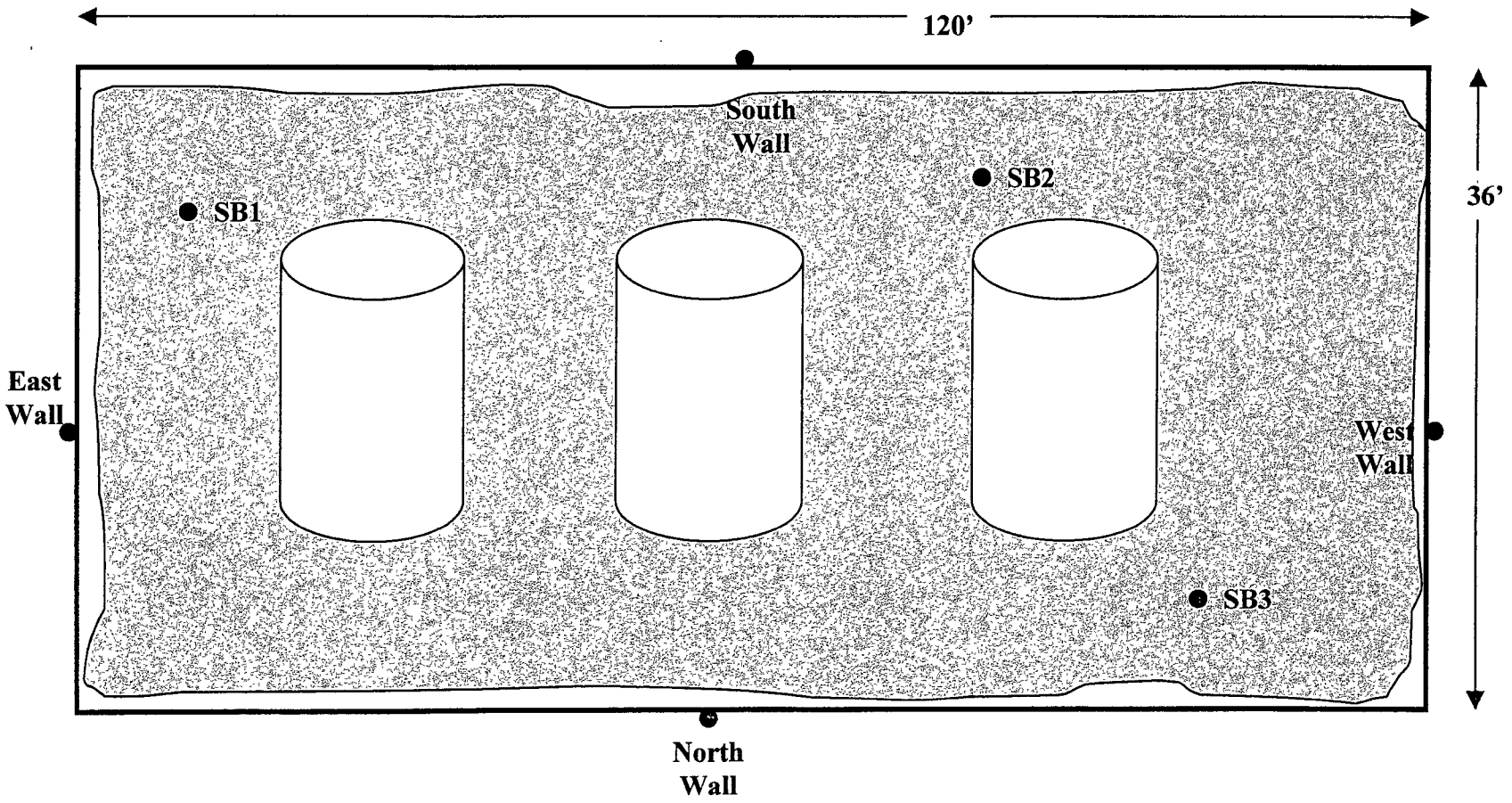
Sincerely,

Logan Anderson

Oxy USA
Coyote 21 #2 Battery
UL 'N' Sec. 21 T24S R29E
Eddy County, NM

N

Plat Map



Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Oxy USA **Analyst** Logan Anderson

Site Coyote 21 #2 Battery

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
SB1	1-7-09	Surface	79	26,174	0.0	32° 11.886' N 103° 59.441' W
SB1	1-7-09	5'		206	0.0	32° 11.886' N 103° 59.441' W
SB1	1-7-09	10'	22	151	0.0	32° 11.886' N 103° 59.441' W
SB2	1-7-09	Surface	23	33,424	0.0	32° 11.887' N 103° 59.452' W
SB2	1-7-09	5'		317	0.0	32° 11.887' N 103° 59.452' W
SB2	1-7-09	10'		343	0.0	32° 11.887' N 103° 59.452' W
SB2	1-7-09	15'	31	260	0.0	32° 11.887' N 103° 59.452' W
SB3	1-7-09	Surface	48	24,811	0.0	32° 11.888' N 103° 59.458' W
SB3	1-7-09	5'		462	0.0	32° 11.888' N 103° 59.458' W
SB3	1-7-09	10'	54	270	0.0	32° 11.888' N 103° 59.458' W
North Wall	1-7-09	Surface	38	118	0.0	32° 11.890' N 103° 59.450' W
South Wall	1-7-09	Surface	42	92	0.0	32° 11.886' N 103° 59.446' W
East Wall	1-7-09	Surface	61	49	0.0	32° 11.888' N 103° 59.439' W
West Wall	1-7-09	Surface	53	64	0.0	32° 11.886' N 103° 59.461' W

Analyst Notes

Analytical Report 322202

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Oxy USA

13-JAN-09

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

13-JAN-09

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
4817 Andrews Hwy
P.O. Box 14167 Odessa, tx 79768
Odessa, TX 79762

Reference: XENCO Report No: **322202**
Oxy USA
Project Address: Coyote 21 # 2 Batt

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 322202. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 322202 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 322202

Elke Environmental, Inc., Odessa, TX

Oxy USA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1 @ 10'	S	Jan-07-09 16:25	10 ft	322202-001
SB-2 @ 15'	S	Jan-07-09 17:30	15 ft	322202-002
SB-3 @ 10'	S	Jan-07-09 17:51	10 ft	322202-003

Certificate of Analysis Summary 322202

Elke Environmental, Inc., Odessa, TX

Project Name: Oxy USA

Project Id:
Contact: Logan Anderson
Project Location: Coyote 21 # 2 Batt

Date Received in Lab: Fri Jan-09-09 05:02 pm
Report Date: 13-JAN-09
Project Manager: Brent Barron, II

Analysis Requested												
	Lab Id:	322202-001		322202-002		322202-003						
	Field Id:	SB-1 @ 10'		SB-2 @ 15'		SB-3 @ 10'						
	Depth:	10 ft		15 ft		10 ft						
	Matrix:	SOIL		SOIL		SOIL						
	Sampled:	Jan-07-09 16:25		Jan-07-09 17:30		Jan-07-09 17:51						
Anions by EPA 300	***Extracted:***											
	Analyzed:	Jan-12-09 16:19		Jan-12-09 16:19		Jan-12-09 16:19						
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL					
Chloride		91.4	5.11	146	5.14	199	5.11					
Percent Moisture	***Extracted:***											
	Analyzed:	Jan-12-09 11:30		Jan-12-09 11:30		Jan-12-09 11:30						
	Units/RL:	%	RL	%	RL	%	RL					
Percent Moisture		2 13	1.00	2.70	1.00	2 16	1.00					
TPH By SW8015 Mod	***Extracted:***	Jan-12-09 13:00		Jan-12-09 13:00		Jan-12-09 13:00						
	Analyzed:	Jan-12-09 19:18		Jan-12-09 19:40		Jan-12-09 20:03						
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL					
C6-C12 Gasoline Range Hydrocarbons		ND	15.3	ND	15 4	ND	15 3					
C12-C28 Diesel Range Hydrocarbons		ND	15.3	30.1	15 4	ND	15.3					
C28-C35 Oil Range Hydrocarbons		ND	15.3	22.3	15.4	ND	15 3					
Total TPH		ND	15.3	52.4	15.4	ND	15.3					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: Oxy USA

Work Orders : 322202, **Project ID:**

Lab Batch #: 746298 **Sample:** 322199-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	56.5	50.0	113	70-135	

Lab Batch #: 746298 **Sample:** 322199-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	100	122	70-135	
o-Terphenyl	58.6	50.0	117	70-135	

Lab Batch #: 746298 **Sample:** 322202-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.3	100	97	70-135	
o-Terphenyl	48.1	50.0	96	70-135	

Lab Batch #: 746298 **Sample:** 322202-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	52.9	50.0	106	70-135	

Lab Batch #: 746298 **Sample:** 322202-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.6	100	100	70-135	
o-Terphenyl	49.0	50.0	98	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Oxy USA

Work Orders : 322202, **Project ID:**

Lab Batch #: 746298 **Sample:** 522806-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	62.2	50.0	124	70-135	

Lab Batch #: 746298 **Sample:** 522806-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	51.7	50.0	103	70-135	

Lab Batch #: 746298 **Sample:** 522806-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	100	117	70-135	
o-Terphenyl	55.8	50.0	112	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Oxy USA

Work Order #: 322202 **Project ID:**

Lab Batch #: 746220 **Sample:** 746220-1-BKS **Matrix:** Solid

Date Analyzed: 01/12/2009 **Date Prepared:** 01/12/2009 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Anions by EPA 300 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	10.0	9.99	100	90-110	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Oxy USA

Work Order #: 322202
Analyst: BHW
Lab Batch ID: 746298 **Sample:** 522806-1-BKS **Batch #:** 1
Units: mg/kg

Date Prepared: 01/12/2009

Project ID:
Date Analyzed: 01/12/2009
Matrix: Solid

TPH By SW8015 Mod	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	971	97	1000	950	95	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	1020	102	1000	997	100	2	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Oxy USA

Work Order #: 322202

Lab Batch #: 746220

Project ID:

Date Analyzed: 01/12/2009 **Date Prepared:** 01/12/2009 **Analyst:** LATCOR

QC- Sample ID: 322199-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Inorganic Anions by EPA 300 **Analytes**	**Parent Sample Result [A]**	**Spike Added [B]**	**Spiked Sample Result [C]**	**%R [D]**	**Control Limits %R**	**Flag**
Chloride	341	205	529	92	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Oxy USA

Work Order # : 322202 **Project ID:**

Lab Batch ID: 746298 **QC- Sample ID:** 322199-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/13/2009 **Date Prepared:** 01/12/2009 **Analyst:** BHW

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1030	954	93	1030	974	95	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1030	1020	99	1030	1040	101	2	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Oxy USA

Work Order #: 322202

Lab Batch #: 746220 **Project ID:**

Date Analyzed: 01/12/2009 **Date Prepared:** 01/12/2009 **Analyst:** LATCOR

QC- Sample ID: 322199-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by EPA 300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	341	343	1	20	

Lab Batch #: 746179

Date Analyzed: 01/12/2009 **Date Prepared:** 01/12/2009 **Analyst:** WRU

QC- Sample ID: 322201-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	3.45	3.35	3	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

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: Logan Anderson
Company Name: Elke Environmental
Company Address: P O Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 432-366-0043 Fax No: 432-366-0884
Sampler Signature:
e-mail: la_elkeenv@yahoo.com

Project Name: Oxy USA
Project #:
Project Loc: Coyote 21 #2 Batt
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 322202

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 / 8015M	TPH: TX 1005	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, Alkalinity)	TOTAL: SAR / ESP / CEC	TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	TOTAL: Volatiles	TOTAL: Semivolatiles	TOTAL: BTEX 8021B/8260 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48 Hrs	Standard TAT
01	SB-1 @ 10'		10'	1-7-09	4:25P		1	X								S	X			X								X
02	SB-2 @ 15'		15'	1-7-09	5:30P		1	X								S	X			X								X
03	SB-3 @ 10'		10'	1-7-09	5:51P		1	X								S	X			X								X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	1-7-09	2:05P		1-7-09	2:05P
Relinquished by:	Date	Time	Received by	Date	Time
	1-8-09	502PM			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				1-7-09	17:02

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N/A
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 5.2 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

lient: Elke Env.

ate/ Time: 1 9 09 17:02

ab ID #: 317262

nitials: CL

Sample Receipt Checklist

				Client Initials
1 Temperature of container/ cooler?	(Yes)	No	5.5 °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 Cont / 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