RECEIVED
By OCD District 1 at 1:53 pm, Jul 13, 2015

APPROVED; Conditional
By OCD District 1 at 1:53 pm, Jul 13, 2015

1. **Pending BLM approval/ concurrence.**

ETECH
Environmental & Safety Solutions, Inc.

Electronic Correspondence

May 14, 2015

Kellie Jones
State of New Mexico
Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88240
kellie.jones@state.nm.us

Re: **Assessment Corrective Action Plan**
SOGO III, LLC, Wimberly 5,6,7 Battery – RP No.: 3666
API No.: 30-025-24482
Legal: Unit G – Sec 12 – T24S – R32E – 660 FSL, 660 FEL - Lea Co., NM
GPS: 32.2376546, -103.6389687
Depth to Groundwater: 525 ft bgs
Release Type: Crude Oil

Contaminants of Concern (COC's)	**Threshold Limits**
Total Petroleum Hydrocarbons (TPH)	1000 mg/kg
Benzene	10 mg/kg
BTEX	10 mg/kg

Dear Kellie:

Etech Environmental & Safety Solutions, Inc. (Etech) is pleased to submit the following corrective action plan on the aforementioned site for your review and approval.

Background
The release occurred due to a tank overflow. The release migrated northeast on the production pad, then migrated northeast off site and followed a lease road for approximately 600 feet, and impacting a pasture area 30 feet long by 8 feet wide. The impacted area of the production pad, caliche road and the pasture appeared to be surficial and limited to 6 inches. An immediate response was made in an effort to remove the standing fluids and minimize the depth of the impacted area. A copy of the C-141 is provided in Attachment A. An annotated aerial photograph showing the release area and TPH levels is provided In Attachment B. Photographs of the release area are provided in Attachment C. Analytical data is provided in Attachment D.

Scope of Work

The scope of this project is for the remediation of a hydrocarbon impact on the production pad. Completion of remediation will involve the following actions:

1. Placement of a one-call for utility location.
2. Excavation of impacted soils as far as practicable, or until hydrocarbon levels of less than 1000 mg/kg are reached. Preliminary assessment data indicated the hydrocarbon

levels were below regulatory threshold levels at a depth of 0-6 inches. Please note: The delineation data was collected from the lowest point in the impacted area where it was evident liquids had pooled. The assessment map includes the delineation data and the sampling points (SP's) that will be used to determine that the excavation has reached remediation objectives.

3. Once the remediation objectives have been reached, confirmation samples will be collected from the bottom and the sidewalls of the excavation to confirm that remediation goals have been reached.
4. If the results of analysis determine that the hydrocarbon levels are above regulatory threshold levels, additional excavation will be performed until the remediation objectives are met.
5. Backfilling of the excavated area(s) will be achieved by placing clean fill similar to the existing material from the site.
6. Where pad areas are excavated, they will be backfilled to within 6 inches of surface then backfilled to grade with compacted caliche. Any firewalls or containment berms removed during remediation will be reinstalled.
7. The site will be seeded with a range mix approved by the landowner. Seeding will take place when the seasonal conditions are conducive to maximizing the potential for seed germination. Actual seeding will be accomplished by broadcast or drilling; whichever is the most practical for the site.

Notifications and Special Conditions

1. The OCD will be notified prior to the commencement of on-site operations.
2. The OCD will be notified prior to each sampling event to allow the opportunity to witness the sampling events. Splits will be made available if requested.
3. The OCD will be notified when the site is closed for final inspection prior to seeding.
4. A final report documenting the closure of the site will be submitted along with a final C-141.

Thank you for your assistance on this matter. Should you have any questions, require additional information, or have any additional stipulations for this site, please contact Mr. Bill Priebe at (432) 640-0040 (Office) or via email at BPriebe@stanolind.com or myself at (432) 563-2200 (office) or via email at Kit@etechenv.com.

Respectfully:

Kit Prichard – Project Manager
Etech Environmental & Safety Solutions, Inc.

Attachment A
Initial C-141

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-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: SOGO III LLC	Contact: Bill Priebe
Address: PO Box 210 Midland, Tx 79702	Telephone No.: 432-640-0040
Facility Name: Wimberly 5, 6, 7	Facility Type: Tank Battery

Surface Owner: State	Mineral Owner: State	API No.: 30-025-24482

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	12	24	32	660	NL	660	EL	Lea County

Latitude: 32.2376546 **Longitude:** -103.6389687

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 78	Volume Recovered: 5
Source of Release: Tank Overflow	Date and Hour of Occurrence: 03/26/2015	Date and Hour of Discovery: 03/26/2015
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom? Jeff Robertson	
By Whom?	Date and Hour: 03/26/15 – 1600 hrs.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*: Hole in tank from corrosion. Initial response was to remove free standing fluid from the surface to prevent further vertical migration. Impacted soils were stored on location for disposal.

Describe Cause of Problem and Remedial Action Taken.*: Hole in tank from corrosion. Initial response was to remove free standing fluid from the surface to prevent further vertical migration. Impacted soils were stored on location for disposal.

Describe Area Affected and Cleanup Action Taken.* : Release impacted 740' of caliche road approximately 6' wide, and impacting the pasture area 12'X10'.

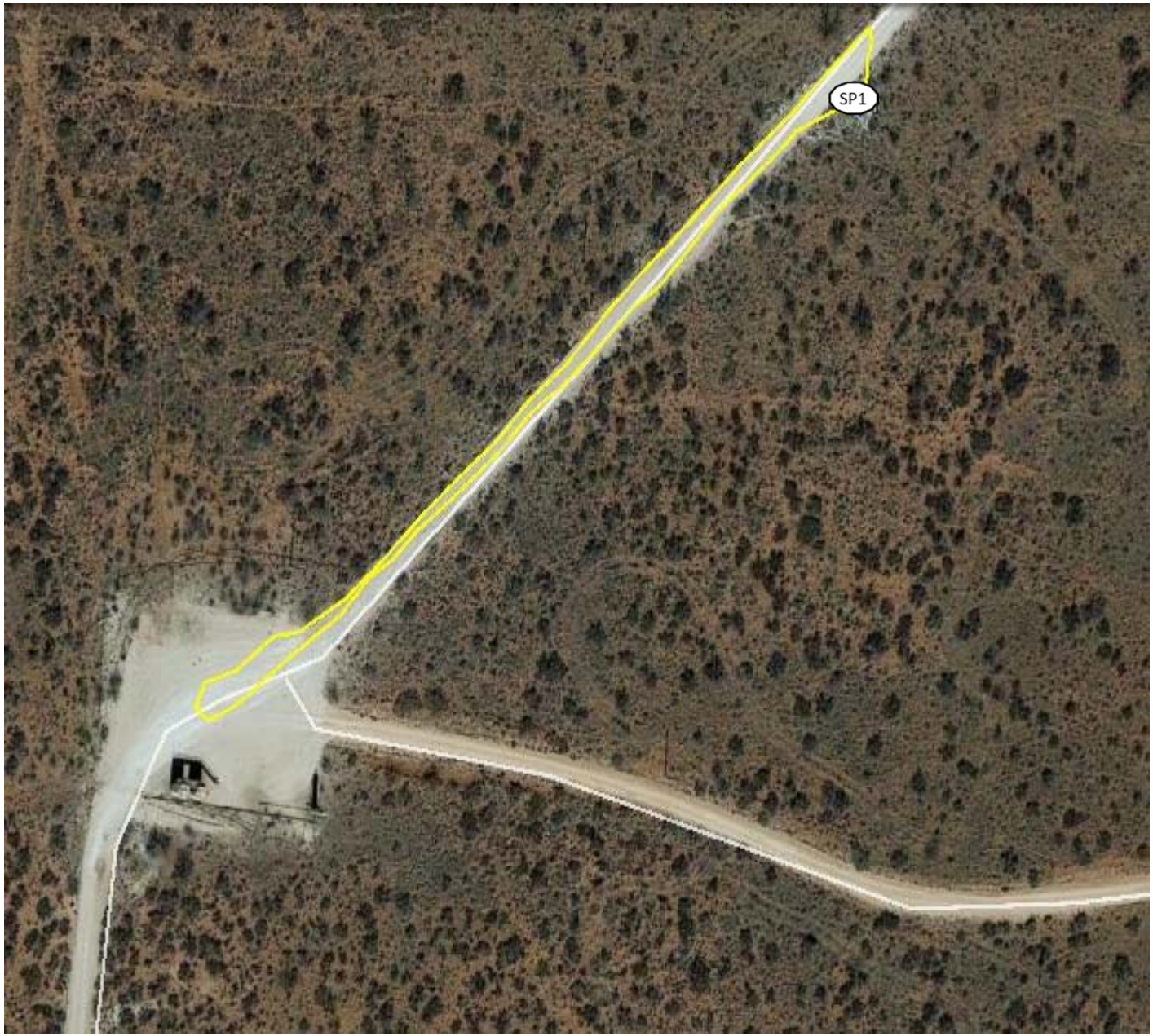
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: Billy M. Priebe	OIL CONSERVATION DIVISION	
Printed Name: Billy M. Priebe	Approved by District Supervisor:	
Title: Ex. VP - Operations	Approval Date:	Expiration Date:
E-mail Address: bpriebe@stanolind.com	Conditions of Approval:	Attached ☐
Date: 5/6/15 Phone: 432-690-0040		

* Attach Additional Sheets If Necessary

Attachment B
Annotated Aerial Imagery

Delineation & Assessment Report ©	Lease Name:	Wimberly 5,6,7 Battery	Project No.:	584-6043-000
	Date Assessed:	March 27, 2015		



Assessment Results

Sample I.D.	Depth (ft.)	BTEX	TPH (mg/kg)
SP1	0-6”	Yes	138

Attachment C
Photograph Log

Photo No: **1.**	
Direction Taken: ***South***	
Description: ***Lease sign.***	

Photo No: **2.**	
Direction Taken: ***South***	
Description: ***Pile of contaminated soil.***	

Photo No: **3.**	
Direction Taken: ***East***	
Description: ***Beginning of the run of contamination.***	

Photo No: **4.**	
Direction Taken: ***North***	
Description: ***Continuation of the contamination.***	

Photo No: **5.**	
Direction Taken: ***North***	
Description: ***Continuing down the path of contamination.***	

Photo No: **6.**	
Direction Taken: ***North***	
Description: ***Contaminated pathway.***	

Photo No: **7.**	
Direction Taken: ***North***	
Description: ***The flow of the contamination begins to flow to the right side of the caliche road.***	

Photo No: **8.**	
Direction Taken: ***North***	
Description: ***The flow of the contamination down the right side of the caliche road.***	

Photo No: **9.**	
Direction Taken: ***South***	
Description: ***Clean caliche for the road.***	

Photo No: **10.**	
Direction Taken: ***South***	
Description: ***Small area of contamination east of the caliche road.***	

Photo No: **11.**	
Direction Taken: ***South***	
Description: ***Contamination pathway.***	

Photo No: **12.**	
Direction Taken: ***South***	
Description: ***Contamination pathway to the contaminated soil pile.***	

Attachment D
Analytical Results

Analytical Report 506690

for

Etech Environmental & Safety Solution, Inc

Project Manager: Kit Prichard

Wimbery 5,6,7 Battery

584-6043-000

01-MAY-15

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-18), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

01-MAY-15

Project Manager: **Kit Prichard**
Etech Environmental & Safety Solution, Inc
P.O. Box 8469
Midland, TX 79708

Reference: XENCO Report No(s): **506690**
Wimbery 5,6,7 Battery
Project Address: TX

Kit Prichard:

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(s) 506690. 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. The uncertainty of measurement associated with the results of analysis reported is available upon request. 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. 506690 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,

Julian Martinez
Project Manager

Sample Cross Reference 506690

Etech Environmental & Safety Solution, Inc, Midland, TX

Wimbery 5,6,7 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample Point 1	S	04-16-15 15:00	0 - 6 In	506690-001

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 506690

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Wimbery 5,6,7 Battery

Project Id: 584-6043-000
Contact: Kit Prichard
Project Location: TX

Date Received in Lab: Fri Apr-24-15 11:18 am
Report Date: 01-MAY-15
Project Manager: Kelsey Brooks

Analysis Requested							
	Lab Id:	506690-001					
	Field Id:	Sample Point 1					
	Depth:	0-6 In					
	Matrix:	SOIL					
	Sampled:	Apr-16-15 15:00					
BTEX by EPA 8021B	***Extracted:***	Apr-28-15 15:00					
	Analyzed:	Apr-28-15 21:32					
	Units/RL:	mg/kg	RL				
Benzene		ND	0.00101				
Toluene		0.0156	0.00201				
Ethylbenzene		0.0794	0.00101				
m,p-Xylenes		0.194	0.00201				
o-Xylene		0.111	0.00101				
Total Xylenes		0.305	0.00101				
Total BTEX		0.400	0.00101				
Percent Moisture	***Extracted:***						
	Analyzed:	Apr-30-15 17:00					
	Units/RL:	%	RL				
Percent Moisture		ND	1.00				
TPH By SW8015 Mod	***Extracted:***	Apr-24-15 13:00					
	Analyzed:	Apr-24-15 17:27					
	Units/RL:	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		47.7	14.9				
C12-C28 Diesel Range Hydrocarbons		59.6	14.9				
C28-C35 Oil Range Hydrocarbons		30.4	14.9				
Total TPH		138	14.9				

Julian Martinez
Project Manager

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 affect the recovery of the spike concentration. This condition could also affect 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 quantitation limit and above the detection limit.

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.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Wimbery 5,6,7 Battery

Work Orders : 506690,

Project ID: 584-6043-000

Lab Batch #: 966750 **Sample:** 506690-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/24/15 17:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.0	99.6	92	70-135	
o-Terphenyl	42.8	49.8	86	70-135	

Lab Batch #: 967064 **Sample:** 506690-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/28/15 21:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0262	0.0300	87	80-120	
4-Bromofluorobenzene	0.0318	0.0300	106	80-120	

Lab Batch #: 966750 **Sample:** 691704-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/24/15 09:42

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.6	100	100	70-135	
o-Terphenyl	51.0	50.0	102	70-135	

Lab Batch #: 967064 **Sample:** 691904-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/28/15 17:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 966750 **Sample:** 691704-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/24/15 10:04

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	50.9	50.0	102	70-135	

* Surrogate outside of Laboratory QC limits

** 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: Wimbery 5,6,7 Battery

Work Orders : 506690, **Project ID:** 584-6043-000

Lab Batch #: 967064 **Sample:** 691904-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/28/15 18:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0317	0.0300	106	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 966750 **Sample:** 691704-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/24/15 10:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	100	122	70-135	
o-Terphenyl	51.3	50.0	103	70-135	

Lab Batch #: 967064 **Sample:** 691904-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 04/28/15 18:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 966750 **Sample:** 506633-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/24/15 11:10

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	99.8	119	70-135	
o-Terphenyl	51.3	49.9	103	70-135	

Lab Batch #: 967064 **Sample:** 506834-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/28/15 18:47

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	80-120	
4-Bromofluorobenzene	0.0315	0.0300	105	80-120	

* Surrogate outside of Laboratory QC limits

** 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: Wimbery 5,6,7 Battery

Work Orders : 506690, **Project ID:** 584-6043-000

Lab Batch #: 966750 **Sample:** 506633-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/24/15 11:33

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	99.9	113	70-135	
o-Terphenyl	48.5	50.0	97	70-135	

Lab Batch #: 967064 **Sample:** 506834-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 04/28/15 19:04

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0333	0.0300	111	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

* Surrogate outside of Laboratory QC limits
** 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.

BS / BSD Recoveries

Project Name: Wimbery 5,6,7 Battery

Work Order #: 506690 **Project ID:** 584-6043-000

Analyst: ARM **Date Prepared:** 04/28/2015 **Date Analyzed:** 04/28/2015

Lab Batch ID: 967064 **Sample:** 691904-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	<0.00100	0.100	0.0969	97	0.100	0.0972	97	0	70-130	35	
Toluene	<0.00200	0.100	0.100	100	0.100	0.100	100	0	70-130	35	
Ethylbenzene	<0.00100	0.100	0.105	105	0.100	0.106	106	1	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.211	106	0.200	0.212	106	0	70-135	35	
o-Xylene	<0.00100	0.100	0.104	104	0.100	0.105	105	1	71-133	35	

Analyst: ARM **Date Prepared:** 04/24/2015 **Date Analyzed:** 04/24/2015

Lab Batch ID: 966750 **Sample:** 691704-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod 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	<15.0	1000	962	96	1000	978	98	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1000	100	1000	1030	103	3	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 / MSD Recoveries

Project Name: Wimbery 5,6,7 Battery

Work Order # : 506690 **Project ID:** 584-6043-000

Lab Batch ID: 967064 **QC- Sample ID:** 506834-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04/28/2015 **Date Prepared:** 04/28/2015 **Analyst:** ARM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	0.00131	0.112	0.102	90	0.112	0.101	89	1	70-130	35	
Toluene	<0.00224	0.112	0.101	90	0.112	0.0993	89	2	70-130	35	
Ethylbenzene	<0.00112	0.112	0.100	89	0.112	0.0985	88	2	71-129	35	
m,p-Xylenes	<0.00224	0.224	0.201	90	0.224	0.196	88	3	70-135	35	
o-Xylene	<0.00112	0.112	0.100	89	0.112	0.0984	88	2	71-133	35	

Lab Batch ID: 966750 **QC- Sample ID:** 506633-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 04/24/2015 **Date Prepared:** 04/24/2015 **Analyst:** ARM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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	<17.4	1160	1160	100	1160	1120	97	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<17.4	1160	1220	105	1160	1150	99	6	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

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

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: Wimbery 5,6,7 Battery

Work Order #: 506690

Lab Batch #: 967265 **Project ID:** 584-6043-000

Date Analyzed: 04/30/2015 17:00 **Date Prepared:** 04/30/2015 **Analyst:** WRU

QC- Sample ID: 507000-024 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	14.2	14.4	1	20	

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

BRL - Below Reporting Limit

Xenco Laboratories

The Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Manager: Kit Pinard
Company Name: Etech Environmental
Company Address: PO Box 8469
City/State/Zip: Midland Tx 79708
Telephone No: 432-2200 Fax No: 432-2213
Sampler Signature: e-mail: Kit@etechenv.com

Project Name: Wimberly 5&7 Batt
Project #: 584-60413 OW
Project Loc: 30G0111
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 506690

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	Sample point 1	0	6	4/16/15	3:00	1	☒								S			☑							☑				☑

Special Instructions: Please CC:Britney@etechenv.com
3-27-15 release

Relinquished by:	Date	Time	Received by:	Date	Time
Britney Beaty	4-23-15			4/24/15	11:18
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: 10.5 °C

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 04/24/2015 11:18:00 AM

Work Order #: 506690

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	10.5
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Kelsey Brooks Date: 04/24/2015

Checklist reviewed by: Julian Martinez Date: 04/24/2015