District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., 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 Department**

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

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NGRL0835833263
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # (assigned by OCD)
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.3855171_

Longitude -103.1711349 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: R E Cole #002	Site Type: Oil
Date Release Discovered: 8-19-05	API# (if applicable)

Unit Letter	Section	Township	Range	County
Ν	16	22S	37E	Lea

Surface Owner: State Federal Tribal Private (Name: _____

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

101400110	in(3) Released (Select an that appry and attach ealed attachs of specific	Justinie autori for the volumes provided core ()				
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)				
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)				
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No				
Condensate	Volume Released (bbls)	Volume Recovered (bbls)				
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)				
contacted and the line wa Larson & Associates was area was excavated and	as blocked in. Rule 118 H2S Contingency Plan was follo contracted to do soil sampling along impacted line to d samples obtained to show cleanup to OCD requirement	eld gas, which ignited. Eunice emergency services were owed for response. 3-5 acres of vegetation burned. etermine if any remediation activities were required. The ts. TARGA will replace top soil and reseed area to insure ne site and spread to a thickness of 4 to 6 inches. 300# of				

winter wheat was seeded. Site will be evaluated after rain and more seed planted if needed.

Page 2

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🖾 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Amy Barnhill	Title: Water Specialist
Signature: <u>Munic</u> email: ABarnhill@chevron.com	Date: 2-7-22
email: ABarnhill@chevron.com	Telephone: 432-687-7108
OCD Only	
Received by:	Date:



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ENQUWIG'TGS WGUV'TGRQTV

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Ej gxt qp'Eqt r qt c vkqp'' T'G'Eqng'%224'' Ngc'Eqwpv{.'Pgy 'O gzkeq'' Wpk/Ngvygt 'δPö.'Ugevkqp'38.'Vqy puj kr '44'Uqwj.'Tcpi g'59'Gcur'' Nc vkwf g'5405: 76489'Pqt vj.'Nqpi kwf g'32508932269'Y gur'' PO QEF 'Tghgt gpeg'%tpI TN2: 57: 55485''

••

Prepared For:

Ej gxt qp'Eqt r qt c vkqp'' 6301 Deauville Blvd. Midland, TX 79706

Prepared By:

Gvgej 'Gpxlt qpo gpvcn('Uchgv{ 'Uqnvvkqpu 'Kpe0'

P.O. Box 62228 Midland, Texas 79711

Hgdtwct{'33.'4244''

Black tak

Blake Estep Project Manager

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VCDNG'QH'EQPVGPVU''

INTRODUCTION	1
NMOCD SITE CLASSIFICATION	. 1
INITIAL SITE ASSESSMENT AND DELINEATION	2
SITE CLOSURE REQUEST	2
LIMITATIONS	2
DISTRIBUTION	. 3

HK WIGU'

Figure 1 – Site Location Topographic Map Figure 2 – Aerial Proximity Figure 3 – Site and Sample Map

VCDNGU'

Table 1 – Confirmation Sample Results, Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil

CRRGPF KEGU'

Appendix A – Depth to Groundwater Information

Appendix B – Photographic Documentation

Appendix C – Analytical Reports

Appendix D – Release Notification and Corrective Action (Form C-141) (# nGRL0835833263)

KP VT QF WE VKQP ""

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron Corporation, has prepared this Closure Request for the Release Site known as R E Cole #002. The legal description of the Release Site is Unit Letter "N", Section 16, Township 22 South, Range 37 East, in Lea County, New Mexico. The Release Site GPS coordinates are 32.385426° North and 103.171004° West. A "Site Location Topographic Map" is provided as Figure 1. A copy of the Release Notification and Corrective Action (NMCOD Form C-141) is provided as Appendix D.

On August 19, 2005, a reportable release was discovered by Chesapeake at the R E Cole #002 site (Release Site). The injection line developed a leak due to internal corrosion. Approximately one-thousand eight-hundred eighty-seven (1,887) Mcf of natural gas was released causing a fire to burn approximately three (3) to five (5) acres of pasture.

Photographic documentation for the R E Cole #002 Release Site is provided as Appendix B.

POQEF'UKVG'ENCUUKHKECVKQP''

A search of the groundwater database maintained by United States Geological Survey (USGS) did not identify any registered water wells within a quarter (1/4) mile of the R E Cole #002. A further search of the USGS database identified the closest registered water well is USGS Well #: 322307103095801 located approximately 0.37 miles northeast of the Release Site. The USGS database indicated groundwater should be encountered at approximately sixty-four (64) feet below ground surface (bgs). No water wells were observed within one thousand (1,000) feet of the Release Site. No surface water was observed within one thousand (1,000) feet of the Release Site. "Aerial Proximity Map" is provided as Figure 2. "

The R E Cole #002 is not considered to be in a karst area and is considered stable. Based on the NMOCD site classification system, the following soil remediation levels were assigned to the R E Cole #002 Site as a result of this criterion.

- Benzene 10 mg/Kg (ppm)
- BTEX 50 mg/Kg (ppm)
- TPH 2,500 mg/Kg (ppm)
- Chloride 10,000 mg/Kg (ppm)

KP KVKCN'UKVG'CUUGUUO GP V'CP F 'F GNKP GCVKQP ''

On January 6, 2022, Etech conducted an assessment and sampling event at the R E Cole #002 to determine the condition of the soil where it was believed the spill had occurred. Two (2) soil borings were installed, and samples were collected at the first six (6) inches and forty-eight (48) inches bgs unless refusal was met (refer to Figure 1). Refusal was met at a depth of thirty-six (36) inches bgs at both Auger Holes. Samples were submitted to Xenco Eurofins to be analyzed for total petroleum hydrocarbons (TPH), chlorides, and benzene, toluene, ethylbenzene & xylenes (BTEX) concentrations. A "Site and Sample Location Map" is provided as Figure 3.

Laboratory results indicated TPH, chloride, and BTEX concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples (refer to Table 1).

Analytical reports are provided as Appendix C.

UKVG'E NQUWT G'T GS WGUV''

Laboratory analytical results indicate TPH, Chloride and BTEX concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples. Based on laboratory analytical results and field observations made during the initial site assessment, the affected area appears to be restored to its original condition and vegetation growth has been occurring at a steady rate. Etech, on behalf of Chevron, respectfully request that the NMOCD District 1 Office grant site closure to the R E Cole #002 (NMOCD Incident ID: nGRL0835833263).

NKO KVCVKQPU'

Etech has prepared this Closure Request and Remediation Summary Report to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Etech has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. This report has been prepared for the benefit of Chevron Corporation. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Chevron Corporation.

.

F KUVT KDWKQP''

Copy 1:	New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, New Mexico 87505
Copy 2:	Amy Barnhill Chevron 6301 Deauville Bulverde Midland, Texas 79706
Copy 3:	Etech Environmental & Safety Solutions, Inc. P.O. Box 62228

Midland, Texas 79711

FIGURES

Received by OCD: 2/16/2022 9:30:04 AM

Page 9 of 52



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Fresh Water Well

100-Year Floodplain High/Critical Karst

Chevron Corporation R E Cole #002 GPS: 32.385426, -103.171004 Lea County



Drafted:

Released to Imaging: 5/31/2022 1:41:37 PM



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TABLES

VCDNG'3

EQPEGPVTCVKQPU'QH'DGP\GPG.'DVGZ.'VRJ'CPF'EJNQTKFG'KP'UQKN

EJ GXTQP 'EQTRQTCVKQP

T'G'EQNG'%224

NGC'EQWPV[.'PGY 'OGZEQ All concentrations are reported in mg/Kg

			O GVJ QF UK'UY '! 68/: 243D					O GVJ QF ≺UY '! 237O					G'52202	
UCO RNG'NQE CVKQP	F GRVJ	UCO RNG" F CVG	DGP\ GP G	VQNWGP G	GVJ [N/ DGP\ GPG	o .'t '/''' Z[NGP GU'	q'/'''' Z[NGP G	VQVCN'' Z[NGP GU	VQVCN'' DVGZ	VRJ '''''I TQ'''' E ₈ /E ₃₄	VRJ ''''FTQ'''' E ₃₄ /E _{4:}	VRJ ''''QTQ'''' E _{4:} /E ₅₇	VQVCN'VRJ E ₈ /E ₅₇	EJ NQTEG
			32'ò i 1Mi ''						72'ò i Mi				322'6 i 1Mi	822'ò i Mi
CJ /3	2/8\$	1/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	50.900	ND	50.900	8
CJ /3	52/58\$	1/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
CJ /4	2/8\$	1/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	72.8	ND	72.8	ND
CJ /4	52/58\$	1/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Dqnf 'cpf '[gmqy 'J ki j nki j vgf 'kpf kec vgu'Cpcn{ vg'Cdqxg'POQEF 'Tgi vnc vqt { 'Nko kv

PF'/'Cpcn(vg'Pqv'Fgvgevgf'cv'qt'cdqxg'\jg'hcdqtcvqt{'tgrqt\lpi i'llo lv

,, '/'Uco r ng'čt gc 'y cu'gho kpcvgf 'f wt kpi 'hwt vj gt 'gzecxcvkqp'čevkskkgu0

Page 13 of 52

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APPENDICES

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Appendix A – Depth to Groundwater Information



New Mexico Office of the State Engineer Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 672031

Northing (Y): 3584639

Radius: 804

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



		(quarters are 1=	NW 2=1	VE 3=S				
		(quarters are si	mallest t	o larges	(NAD83 UTM in meters)			
Well Tag	POD Number	Q64 Q16 Q4	4 Sec	Tws	Rng	Χ	Y	
	CP 00391 POD1	4 4 4	17	22S	37E	671426	3584623* 🌍	
Driller Lic		Driller Comp	any:	UN	IKNOWN			
Driller Na		Drill Finish D	ata.			DI	ug Datai	
Drill Start Date:		DTIII FIIIISII D		ri	ug Date:			
Log File Date:		PCW Rev Da		So	urce:	Shallow		
Ритр Туре:		Pipe Discharg	ge Size	:		Es	timated Yield:	10 GPM
Casing Siz	xe: 8.00	Depth Well:		9	6 feet	De	epth Water:	

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/2/22 3:22 PM

POINT OF DIVERSION SUMMARY





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Appendix B – Photographic Documentation

Project Name: R E Cole #002 Project No: 15318

Photographic Documentation





Project Name: R E Cole #002 Project No: 15318

Photographic Documentation





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Appendix C – Analytical Reports

Received by OCD: 2/16/2022 9:30:04 AM

🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-9959-1

Client Project/Site: R E Cole #002

For:

Etech Environmental & Safety Solutions PO BOX 62228 Midland, Texas 79711

Attn: Brandon Wilson

RAMER

Authorized for release by: 1/13/2022 8:22:29 AM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

LINKS

Review your project results through
Dotal Access

Data Access

Have a Question?
Ask
The Expert

Visit us at:
www.eurofinsus.com/Env

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Page 25 of 52

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

Page 26 of 52

Client: Etech E	Definitions/Glossary	<u>ا</u> ا
Project/Site: R I	Environmental & Safety Solutions Job ID: 880-9959 LE Cole #002	-1
Qualifiers		- ī
GC VOA		_
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	
<u>S1-</u>	Surrogate recovery exceeds control limits, low biased.	- 1
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	-
U	Indicates the analyte was analyzed for but not detected.	
		-
Glossary		_ !
Abbreviation	These commonly used abbreviations may or may not be present in this report.	_
¤ 0/ D	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery Contains Free Liquid	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF DER	Contains No Free Liquid	
DER Dil Fac	Duplicate Error Ratio (normalized absolute difference)	
DII Fac DL	Dilution Factor	
	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC EDL	Decision Level Concentration (Radiochemistry)	
	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ MCL	Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDA	Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
	Too Numerous To Count	

.

Case Narrative

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002 Job ID: 880-9959-1

Job ID: 880-9959-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-9959-1

Receipt

The samples were received on 1/7/2022 1:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-16273 and analytical batch 880-16341 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-16424 and analytical batch 880-16336 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-16437 and analytical batch 880-16545 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 880-9959-1

Client: Etech Environmental & Safety Solutions
Project/Site: R E Cole #002

Client Sample ID: Auger Hole 1

Date Collected: 01/06/22 14:00 Date Received: 01/07/22 13:05

Sample Depth: 0-6"

Lab Sample ID: 880-9959

Matrix: So

9-1 olid	
	5
Fac 1	6
1 1 1	7
1 1	8
Fac	9
1 1	10
Fac	11
1	12
Fac	13
1	14
Faa	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:21	01/10/22 17:33	
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:21	01/10/22 17:33	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:21	01/10/22 17:33	
n-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/07/22 14:21	01/10/22 17:33	
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:21	01/10/22 17:33	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/07/22 14:21	01/10/22 17:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				01/07/22 14:21	01/10/22 17:33	
1,4-Difluorobenzene (Surr)	84		70 - 130				01/07/22 14:21	01/10/22 17:33	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/12/22 12:57	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)							
Analyte	- · ·	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	50.9		50.0		mg/Kg			01/11/22 14:19	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/07/22 15:29	01/09/22 01:40	
Diesel Range Organics (Over	50.9		50.0		mg/Kg		01/07/22 15:29	01/09/22 01:40	
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/22 15:29	01/09/22 01:40	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	71		70 - 130				01/07/22 15:29	01/09/22 01:40	
p-Terphenyl	75		70 - 130				01/07/22 15:29	01/09/22 01:40	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	8.33		4.99		mg/Kg			01/12/22 12:01	
lient Sample ID: Auger Hol	e 1						Lab Sar	nple ID: 880-	9959-
ate Collected: 01/06/22 14:02								Matri	ix: Soli
ate Received: 01/07/22 13:05									
ample Depth: 30-06"									
Method: 8021B - Volatile Organic	: Compounds (GC)							
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Regult								
			0.00201		mg/Kg		01/07/22 14:21	01/10/22 17:53	
Analyte Benzene Toluene	<0.00201 <0.00201	U	0.00201		mg/Kg mg/Kg		01/07/22 14:21	01/10/22 17:53	

m-Xylene & p-Xylene <0.00402 U 0.00402 01/07/22 14:21 01/10/22 17:53 mg/Kg 0.00201 01/07/22 14:21 01/10/22 17:53 o-Xylene <0.00201 U mg/Kg Xylenes, Total <0.00402 U 0.00402 mg/Kg 01/07/22 14:21 01/10/22 17:53 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 124 70 - 130 01/07/22 14:21 01/10/22 17:53

Eurofins Midland

1

1

1

Job ID: 880-9959-1

Matrix: Solid

Lab Sample ID: 880-9959-2

Client Sample ID: Auger Hole 1

Client: Etech Environmental & Safety Solutions

Date Collected: 01/06/22 14:02 Date Received: 01/07/22 13:05

Sample Depth: 30-06"

Project/Site: R E Cole #002

Method: 8021B - Volatile	Organic Com	pounds (GC)	(Continued)

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	97		70 - 130				01/07/22 14:21	01/10/22 17:53	
Method: Total BTEX - Total BTE	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/12/22 12:57	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			01/11/22 14:19	
Analyte Gasoline Range Organics	Result <49.9	Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared 01/07/22 15:29	Analyzed 01/09/22 02:00	Dil Fa
Method: 8015B NM - Diesel Rang	ne Organics (D	RO) (GC)							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/07/22 15:29	01/09/22 02:00	
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		01/07/22 15:29	01/09/22 02:00	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/07/22 15:29	01/09/22 02:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	73		70 - 130				01/07/22 15:29	01/09/22 02:00	
o-Terphenyl	79		70 - 130				01/07/22 15:29	01/09/22 02:00	
Method: 300.0 - Anions, Ion Chro		Calubla							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.27		4.98		mg/Kg			01/12/22 12:10	1
Client Sample ID: Auger Hole 2							Lab Sa	mple ID: 880-9	9959-3

Client Sample ID: Auger Hole 2

Date Collected: 01/06/22 14:04 Date Received: 01/07/22 13:05 Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/07/22 14:21	01/10/22 18:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/07/22 14:21	01/10/22 18:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/07/22 14:21	01/10/22 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/07/22 14:21	01/10/22 18:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/07/22 14:21	01/10/22 18:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/07/22 14:21	01/10/22 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				01/07/22 14:21	01/10/22 18:13	1
1,4-Difluorobenzene (Surr)	102		70 - 130				01/07/22 14:21	01/10/22 18:13	1
- Method: Total BTEX - Total B1	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/12/22 12:57	1
Method: 8015 NM - Diesel Rar	nge Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Midland

Matrix: Solid

Client: Etech Environmental & Safety Solutions

Client Sample Results

5

Job ID: 880-9959-1

Matrix: So Matri	lient Sample ID: Auger Hole	e 2						Lab San	nple ID: 880-	9959-
te Received: 01/07/22 13:05 mple Depth: 0-6" Indeptine Components (CPC) Indeptine Components (CPC) Result Qualifier Result Qualifier		-								
Imple Depth: 0-6" Imple Depth: 0-6" Imple Depth: 0-6" MDL Unit D Prepared Analyzed DIII analyse Result Gualifier Resu									Wath	x. 001
Interbod: B015B NM - Diesei Range Organics (DRO) (GC) nalyte matyic Result Qualifier (Analyzed (D10022 02:0) MDL Unit mg/Kg D Prepared (D10022 02:0) Analyzed (D10022 02:0) DI (D10022 02:0) SR0)-GAC10 (mage Organics (Over C28-C38) -44.9 U 49.9 mg/Kg 010722 15:29 01092 02:20 011 SR0)-GAC10 (mage Organics (Over C28-C38) -49.9 U 49.9 mg/Kg 010722 15:29 01092 02:20 011 SR0-GAC10 (mage Organics (Over C28-C38) -49.9 U 49.9 mg/Kg 010722 15:29 01092 02:20 011 SR0-GAC10 (mage Organics (Over C28-C38) -49.9 U 49.9 mg/Kg 010722 15:29 01092 02:20 011 C-Riversold Result Camifer Immite Prepared Analyzed 011 C-Riversold Result Camifer RL MDL Unit D Prepared Analyzed 011 Stocool U 5:00 mg/Kg 010722 16:21 Matrix: So Matrix: So Stocool U 0:00190 mg/Kg 010772 14:21 0110702 18:34 <										
nahyte Result Qualifier RL MDL Unit P Prepared Analyzed DII / DII //22 1529 OII //22 12020 -Frephenyd 77 70 . 130 70 . 130 OII //22 1529 OII //02 20 20 OII //22 1529 OII //22 120 OII //22 120 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>										
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Rescuived: 01/07/22 13:05 mple Depth: 30-36" lethod: 8021B - Volatile Organic Compounds (GC) mayte Result Qualifier RL MDL Dit I mayte colomogu U 0.00199 U 0.00199 Dit I marken Oli 07/22 14:21 Oli/07/22 14:21 Oli/07/2	ent Sample ID: Auger Hole	e 2						Lab San	nple ID: 880-	9959
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GRO)-C6-C10 viscol viscol </td <td>Method: Total BTEX - Total BTEX Inalyte Inalyte Method: 8015 NM - Diesel Range Inalyte Inalyte Inalyte Inalyte</td> <td>Organics (DR Crganics (DR Corganics (DR Corganics (DR Corganics (DR) Corganics (DR) Corg</td> <td>U O) (GC) Qualifier U RO) (GC)</td> <td>0.00398</td> <td>MDL</td> <td>mg/Kg Unit mg/Kg</td> <td> D</td> <td>Prepared</td> <td>01/12/22 13:10 Analyzed 01/11/22 14:19</td> <td>Dil F</td>	Method: Total BTEX - Total BTEX Inalyte Inalyte Method: 8015 NM - Diesel Range Inalyte Inalyte Inalyte Inalyte	Organics (DR Crganics (DR Corganics (DR Corganics (DR Corganics (DR) Corganics (DR) Corg	U O) (GC) Qualifier U RO) (GC)	0.00398	MDL	mg/Kg Unit mg/Kg	D	Prepared	01/12/22 13:10 Analyzed 01/11/22 14:19	Dil F
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-Chlorooctane 91 70 - 130 01/10/22 11:18 01/10/22 23:45	Method: Total BTEX - Total BTEX Inalyte Total BTEX Method: 8015 NM - Diesel Range Inalyte Total TPH Method: 8015B NM - Diesel Range Inalyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <0.00398	U Qualifier U RO) (GC) Qualifier U U	0.00398 	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	Prepared Prepared 01/10/22 11:18 01/10/22 11:18	01/12/22 13:10 Analyzed 01/11/22 14:19 Analyzed 01/10/22 23:45 01/10/22 23:45	Dil F
	Method: Total BTEX - Total BTEX Inalyte otal BTEX Method: 8015 NM - Diesel Range Inalyte otal TPH Method: 8015B NM - Diesel Range Inalyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	Result <0.00398	U Qualifier U RO) (GC) Qualifier U U	0.00398 	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	Prepared Prepared 01/10/22 11:18 01/10/22 11:18	01/12/22 13:10 Analyzed 01/11/22 14:19 Analyzed 01/10/22 23:45 01/10/22 23:45	Dil F
-Terphenyl 91 70 - 130 01/10/22 11:18 01/10/22 23:45	Nethod: Total BTEX - Total BTEX nalyte otal BTEX Nethod: 8015 NM - Diesel Range nalyte otal TPH Nethod: 8015B NM - Diesel Range nalyte iasoline Range Organics GRO)-C6-C10 biesel Range Organics (Over :10-C28) DI Range Organics (Over C28-C36)	Result <0.00398	U Qualifier U RO) (GC) Qualifier U U U	0.00398 RL 50.0 RL 50.0 50.0 50.0	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	Prepared Prepared 01/10/22 11:18 01/10/22 11:18 01/10/22 11:18	01/12/22 13:10 Analyzed 01/11/22 14:19 Analyzed 01/10/22 23:45 01/10/22 23:45	Dil F Dil F
	lethod: Total BTEX - Total BTEX nalyte otal BTEX lethod: 8015 NM - Diesel Range nalyte otal TPH lethod: 8015B NM - Diesel Rang nalyte asoline Range Organics GRO)-C6-C10 iesel Range Organics (Over 10-C28) Ill Range Organics (Over C28-C36) urrogate	Result <0.00398	U Qualifier U RO) (GC) Qualifier U U U	0.00398	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	Prepared 01/10/22 11:18 01/10/22 11:18 01/10/22 11:18 Prepared	01/12/22 13:10 Analyzed 01/11/22 14:19 Analyzed 01/10/22 23:45 01/10/22 23:45 01/10/22 23:45 Analyzed	Dil F

Date Received: 01/07/22 13:05

Sample Depth: 30-36"

Analyte

Chloride

Dil Fac

1

Analyzed

01/12/22 12:50

5

Client Sample Resul	lts
Client: Etech Environmental & Safety Solutions	Job ID: 880-9959-1
Project/Site: R E Cole #002	
Client Sample ID: Auger Hole 2	Lab Sample ID: 880-9959-4
Date Collected: 01/06/22 14:06	Matrix: Solid

RL

4.95

MDL Unit

mg/Kg

D

Prepared

Eurofins Midland

Client: Etee Project/Site

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<4.95 U

Released to Imaging: 5/31/2022 1:41:37 PM

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Client Sample ID (70-130) (70-130) Lab Sample ID 880-9959-1 Auger Hole 1 114 84 880-9959-2 Auger Hole 1 124 97 880-9959-3 Auger Hole 2 127 102 880-9959-4 Auger Hole 2 125 112 890-1799-A-2-F MS Matrix Spike 119 91 890-1799-A-2-G MSD Matrix Spike Duplicate 120 105 LCS 880-16273/1-A Lab Control Sample 101 91 LCSD 880-16273/2-A Lab Control Sample Dup 105 96 MB 880-16273/5-A Method Blank 120 108

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-9959-1	Auger Hole 1	71	75	
880-9959-2	Auger Hole 1	73	79	
880-9959-3	Auger Hole 2	72	75	
880-9959-4	Auger Hole 2	91	91	
890-1808-A-1-E MS	Matrix Spike	75	66 S1-	
890-1808-A-1-F MSD	Matrix Spike Duplicate	77	75	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Matrix: Solid

Prep Type: Total/NA

Prep Type: Total/NA

	1CO2	OTPH2
Client Sample ID	(70-130)	(70-130)
Lab Control Sample	88	82
Lab Control Sample Dup	90	85
Method Blank	85	86
	Lab Control Sample Lab Control Sample Dup	Client Sample ID(70-130)Lab Control Sample88Lab Control Sample Dup90

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Page 32 of 52

Job ID: 880-9959-1

Prep Type: Total/NA

Eurofins Midland

Lab Sample ID: MB 880-16273/5-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Analysis Batch: 16341

QC Sample Results

RL

0.00200

0.00200

0.00200

0.00400

0.00200

0.00400

Limits

70 - 130

70 - 130

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Method: 8021B - Volatile Organic Compounds (GC)

MB MB

<0.00200 U

<0.00200 U

<0.00200 U

<0.00400 U

<0.00200 U

<0.00400 U

120 108

MB MB %Recovery Qualifier

Result Qualifier

			Client Sa	ample ID: Metho Prep Type: 1		
				Prep Batch	n: 16273	5
MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	mg/Kg		01/07/22 14:21	01/10/22 10:50	1	
	mg/Kg		01/07/22 14:21	01/10/22 10:50	1	
	mg/Kg		01/07/22 14:21	01/10/22 10:50	1	7
	mg/Kg		01/07/22 14:21	01/10/22 10:50	1	-
	mg/Kg		01/07/22 14:21	01/10/22 10:50	1	2
	mg/Kg		01/07/22 14:21	01/10/22 10:50	1	
						9
			Prepared	Analyzed	Dil Fac	
			01/07/22 14:21	01/10/22 10:50	1	
			01/07/22 14:21	01/10/22 10:50	1	
					<u> </u>	
		C	lient Sample			
					n: 16273	
			D			13
6 LCS		C	Client Sample	ID: Lab Control Prep Type: 1 Prep Batch %Rec.	Total/NA	11 12 13

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid	
Analysis Batch: 16	341

Lab Sample ID: LCS 880-16273/1-A

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08151		mg/Kg		82	70 - 130	
Toluene	0.100	0.09588		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09731		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.1896		mg/Kg		95	70 - 130	
o-Xylene	0.100	0.09479		mg/Kg		95	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-16273/2-A

Matrix: Solid

Analysis Batch: 16341							Prep	Batch:	16273
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09529		mg/Kg		95	70 - 130	16	35
Toluene	0.100	0.09785		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.09925		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1988		mg/Kg		99	70 - 130	5	35
o-Xylene	0.100	0.09916		mg/Kg		99	70 - 130	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-1799-A-2-F MS Matrix: Solid

Analysis Potoby 16244

Ar	alysis Batch: 16341									Prep	Batch: 16273
		Sample	Sample	Spike	MS	MS				%Rec.	
An	alyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ber	nzene	<0.00202	U F1 F2	0.101	0.006701	F1	mg/Kg		7	70 - 130	
Tol	uene	<0.00202	U F1 F2	0.101	0.006686	F1	mg/Kg		7	70 - 130	

Eurofins Midland

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Job ID: 880-9959-1

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QC Sample Results

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002 Job ID: 880-9959-1

Page 34 of 52

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Sample Result	Sample	Spike	MS						ype: To Batch:	
	Sample	Spike	Me					Ргер	Batch:	162/3
	Sample	Spike						0/ 🗖		
Result	0	•				_	a/ B	%Rec.		
		Added		Qualifier	Unit	D	%Rec	Limits		
<0.00202		0.101	0.01593		mg/Kg		16	70 - 130		
<0.00202	U F1 F2	0.101	0.01351	F1	mg/Kg		13	70 - 130		
MS	MS									
Recovery	Qualifier	Limits								
119		70 - 130								
91		70 - 130								
Sample	Sample	Spike	MSD	MSD				%Rec.		RP
Sample	Sample	Spike	MSD	MSD						RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
<0.00202	U F1 F2	0.100	0.02359	F1 F2	mg/Kg		24	70 - 130	112	35
<0.00202	U F1 F2	0.100	0.02568	F1 F2	mg/Kg		26	70 - 130	117	3
<0.00202	U F1 F2	0.100	0.02942	F1 F2	mg/Kg		29	70 - 130	60	3
< 0.00403	U F1 F2	0.200	0.03270	F1 F2	mg/Kg		16	70 - 130	69	35
<0.00202	U F1 F2	0.100	0.03210	F1 F2	mg/Kg		32	70 - 130	81	3
MSD	MSD									
		Limits								
120		70 - 130								
105		70 - 130								
	<0.00202 MS <u>Recovery</u> 119 91 5D Sample <u>Result</u> <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202 <0.00202	Recovery 119 91 Qualifier 119 91 91 Sample Sample Result Qualifier <0.00202	<0.00202	<0.00202		<0.00202	<0.00202	<0.00202	 <0.00202 U F1 F2 0.101 0.01351 F1 mg/Kg 13 70.130 MS MS Recovery Qualifier Limits 70.130 91 70.130 SD Client Sample ID: Matrix Sp Prep 1 Prep 1 Prep 2 Sample Sample Sample Sample Qualifier Added Result Qualifier Added Result Qualifier Added Result Qualifier Using 1 Value F1 F2 0.100 0.02359 F1 F2 mg/Kg 26 70.130 Client Sample ID: Matrix Sp Prep 1 Prep 2 Prep 3 Prep 4 Prep 5 Prep 4 Prep 6 Prep 6 Prep 7 Prep 7<	<0.00202

Lab Sample ID: MB 880-16424/1-A Matrix: Solid Analysis Batch: 16336

o-Terphenyl

Analysis Batch: 16336								Prep Batch	n: 16424
	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/10/22 11:18	01/10/22 20:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/10/22 11:18	01/10/22 20:35	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/10/22 11:18	01/10/22 20:35	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				01/10/22 11:18	01/10/22 20:35	1

70 - 130

86

Lab Sample ID: LCS 880-16424/2-A Matrix: Solid

Analysis Batch: 16336							Prep B	Batch: 16424
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	826.7		mg/Kg		83	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	915.4		mg/Kg		92	70 - 130	
C10-C28)								

Prep Type: Total/NA

Prep Type: Total/NA

01/10/22 11:18 01/10/22 20:35

Client Sample ID: Lab Control Sample

QC Sample Results

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

		• •	, , , , ,								
Lab Sample ID: LCS 880-1642	24/2- A						Client	Sample	ID: Lab Co		
Matrix: Solid										Type: Tot	
Analysis Batch: 16336									Prep	Batch:	16424
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	82		70 - 130								
Lab Sample ID: LCSD 880-164	424/3-A					Clie	nt Sam	ple ID: I	Lab Contro	ol Sample	e Dup
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 16336									Prep	Batch:	16424
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	841.5		mg/Kg		84	70 - 130	2	20
(GRO)-C6-C10											
Diesel Range Organics (Over C10-C28)			1000	916.2		mg/Kg		92	70 - 130	0	20
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	85		70 - 130								
Lab Sample ID: 890-1808-A-1-	-E MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep 1	Type: Tot	tal/NA
Analysis Batch: 16336									Prep	Batch: *	16424
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	977.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over	<49.9	U	996	851.8		mg/Kg		86	70 - 130		
C10-C28)											
	MS	MS									
Surrogate		Qualifier	Limits								
Surrogate 1-Chlorooctane	%Recovery 75	Qualifier	Limits								
1-Chlorooctane	%Recovery 75	Qualifier									
	%Recovery 75		70 - 130								
1-Chlorooctane o-Terphenyl	%Recovery 75 66		70 - 130			ci	ient Sa	ample ID): Matrix Sp	oike Dup	licate
1-Chlorooctane	%Recovery 75 66		70 - 130			CI	ient Sa	ample ID		oike Dup Type: Tot	
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid	%Recovery 75 66		70 - 130			CI	ient Sa	ample ID	Prep 1		tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid	%Recovery 75 66 -F MSD		70 - 130	MSD	MSD	CI	ient Sa	ample ID	Prep 1	Type: Tot	tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid Analysis Batch: 16336	%Recovery 75 66 -F MSD Sample	S1-	70 - 130 70 - 130		MSD Qualifier	Cl	ient Sa	%Rec	Prep T Prep	Type: Tot	tal/NA 16424
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid Analysis Batch: 16336 Analyte Gasoline Range Organics	%Recovery 75 66 -F MSD Sample	S1- Sample Qualifier	70 - 130 70 - 130 Spike					-	Prep 1 Prep %Rec.	Type: Tot Batch: /	tal/NA 16424 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid Analysis Batch: 16336 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 75 66 -F MSD Sample Result <49.9	S1- Sample Qualifier U	70 - 130 70 - 130 Spike Added 999	Result 1093		_ <mark>Unit</mark> mg/Kg		%Rec 107	Prep 7 Prep %Rec. Limits 70 - 130	Type: Tot Batch: 7	tal/NA 16424 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid Analysis Batch: 16336 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 75 66 -F MSD Sample Result	S1- Sample Qualifier U	70 - 130 70 - 130 Spike Added	Result		Unit		%Rec	Prep 1 Prep %Rec. Limits	Batch: "	tal/NA 16424 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid Analysis Batch: 16336 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 75 66 -F MSD Sample Result <49.9 <49.9	S1- Sample Qualifier U	70 - 130 70 - 130 Spike Added 999	Result 1093		_ <mark>Unit</mark> mg/Kg		%Rec 107	Prep 7 Prep %Rec. Limits 70 - 130	Type: Tot Batch: 7	tal/NA 16424 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid Analysis Batch: 16336 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 75 66 -F MSD Sample Result <49.9 <49.9	S1- Sample Qualifier U U	70 - 130 70 - 130 Spike Added 999	Result 1093		_ <mark>Unit</mark> mg/Kg		%Rec 107	Prep 7 Prep %Rec. Limits 70 - 130	Type: Tot Batch: 7	tal/NA 16424 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1808-A-1- Matrix: Solid Analysis Batch: 16336 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 75 66 -F MSD Sample Result <49.9 <49.9 MSD	S1- Sample Qualifier U U	70 - 130 70 - 130 Spike Added 999	Result 1093		_ <mark>Unit</mark> mg/Kg		%Rec 107	Prep 7 Prep %Rec. Limits 70 - 130	Type: Tot Batch: 7	tal/NA 16424 RPD Limit 20

Job ID: 880-9959-1

Eurofins Midland

Lab Sample ID: MB 880-16437/1-A

Lab Sample ID: LCS 880-16437/2-A

Lab Sample ID: LCSD 880-16437/3-A

Lab Sample ID: 880-9958-A-2-D MS

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analyte

Chloride

Analyte

Chloride

Analysis Batch: 16545

Analysis Batch: 16545

Analysis Batch: 16545

Dil Fac

1

QC Sample Results

RL

5.00

Spike

Added

250

MDL Unit

LCS LCS

257.9

Result Qualifier

mg/Kg

Unit

mg/Kg

D

D

Prepared

%Rec

103

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Method: 300.0 - Anions, Ion Chromatography

MB MB

<5.00 U

Result Qualifier

Job ID: 880-9959-1

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Method Blank

Analyzed

01/12/22 10:42

Client Sample ID: Lab Control Sample

%Rec.

Limits

90 - 110

Client Sample ID: Lab Control Sample Dup Prep Type: Soluble

		Spike	LCSD	LCSD				%Rec.		RPD
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Chloride	250	260.2		mg/Kg		104	90 _ 110	1	20
í	—									

Client Sample ID: Matrix Spike Prep Type: Soluble

Type: Soluble

Analysis Batch: 16545										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	<4.96	U F1	248	278.3	F1	mg/Kg		111	90 _ 110	

Lab Sample ID: 880-9958-A-2-E MSD Matrix: Solid Analysis Batch: 16545						Client Sample ID: Matrix Spike Dupl Prep Type: So						
	•	Sample	Spike		MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	<4.96	U F1	248	273.2		mg/Kg		109	90 _ 110	2	20	
QC Association Summary

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Matrix Spike Duplicate

GC VOA

Prep Batch: 16273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Total/NA	Solid	5035	
880-9959-2	Auger Hole 1	Total/NA	Solid	5035	
880-9959-3	Auger Hole 2	Total/NA	Solid	5035	
880-9959-4	Auger Hole 2	Total/NA	Solid	5035	
MB 880-16273/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16273/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16273/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1799-A-2-F MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 16341

890-1799-A-2-G MSD

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Total/NA	Solid	8021B	16273
880-9959-2	Auger Hole 1	Total/NA	Solid	8021B	16273
880-9959-3	Auger Hole 2	Total/NA	Solid	8021B	16273
880-9959-4	Auger Hole 2	Total/NA	Solid	8021B	16273
MB 880-16273/5-A	Method Blank	Total/NA	Solid	8021B	16273
LCS 880-16273/1-A	Lab Control Sample	Total/NA	Solid	8021B	16273
LCSD 880-16273/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16273
890-1799-A-2-F MS	Matrix Spike	Total/NA	Solid	8021B	16273
890-1799-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	16273

Total/NA

Solid

5035

Analysis Batch: 16668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-9959-2	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-9959-3	Auger Hole 2	Total/NA	Solid	Total BTEX	
880-9959-4	Auger Hole 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 16295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-9959-2	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-9959-3	Auger Hole 2	Total/NA	Solid	8015NM Prep	

Lab Sample ID Client Sample ID

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Total/NA	Solid	8015B NM	16295
880-9959-2	Auger Hole 1	Total/NA	Solid	8015B NM	16295
880-9959-3	Auger Hole 2	Total/NA	Solid	8015B NM	16295

Analysis Batch: 16336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-4	Auger Hole 2	Total/NA	Solid	8015B NM	16424
MB 880-16424/1-A	Method Blank	Total/NA	Solid	8015B NM	16424
LCS 880-16424/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16424
LCSD 880-16424/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16424
890-1808-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	16424
890-1808-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16424

Job ID: 880-9959-1

Eurofins Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Auger Hole 2

GC Semi VOA

Prep Batch: 16424

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-9959-4	Auger Hole 2	Total/NA	Solid	8015NM Prep	
MB 880-16424/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16424/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16424/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1808-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1808-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
Analysis Batch: 16554					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Total/NA	Solid	8015 NM	
880-9959-2	Auger Hole 1	Total/NA	Solid	8015 NM	
880-9959-3	Auger Hole 2	Total/NA	Solid	8015 NM	

Total/NA

Solid

8015 NM

880-9959-4

Leach Batch: 16437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Soluble	Solid	DI Leach	
880-9959-2	Auger Hole 1	Soluble	Solid	DI Leach	
880-9959-3	Auger Hole 2	Soluble	Solid	DI Leach	
880-9959-4	Auger Hole 2	Soluble	Solid	DI Leach	
MB 880-16437/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16437/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16437/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9958-A-2-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9958-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 16545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9959-1	Auger Hole 1	Soluble	Solid	300.0	16437
880-9959-2	Auger Hole 1	Soluble	Solid	300.0	16437
880-9959-3	Auger Hole 2	Soluble	Solid	300.0	16437
880-9959-4	Auger Hole 2	Soluble	Solid	300.0	16437
MB 880-16437/1-A	Method Blank	Soluble	Solid	300.0	16437
LCS 880-16437/2-A	Lab Control Sample	Soluble	Solid	300.0	16437
LCSD 880-16437/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16437
880-9958-A-2-D MS	Matrix Spike	Soluble	Solid	300.0	16437
880-9958-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	16437

Page 38 of 52

Job ID: 880-9959-1

Client Sample ID: Auger Hole 1

5

9

Matrix: Solid

Job ID: 880-9959-1

Lab Sample ID: 880-9959-1 Matrix: Solid

Date Collected: 01/06/22 14:00 Date Received: 01/07/22 13:05

Bat	Batch	Batch		Dil	Initial Final B	Batch	Batch Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	16273	01/07/22 14:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16341	01/10/22 17:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16668	01/12/22 12:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16295	01/07/22 15:29	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16326	01/09/22 01:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	16437	01/10/22 13:11	СН	XEN MID
Soluble	Analysis	300.0		1			16545	01/12/22 12:01	СН	XEN MID

Client Sample ID: Auger Hole 1

Date Collected: 01/06/22 14:02 Date Received: 01/07/22 13:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	16273	01/07/22 14:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16341	01/10/22 17:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16668	01/12/22 12:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16295	01/07/22 15:29	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16326	01/09/22 02:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	16437	01/10/22 13:11	СН	XEN MID
Soluble	Analysis	300.0		1			16545	01/12/22 12:10	СН	XEN MID

Client Sample ID: Auger Hole 2 Date Collected: 01/06/22 14:04

Date Received: 01/07/22 13:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16273	01/07/22 14:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16341	01/10/22 18:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16668	01/12/22 12:57	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16295	01/07/22 15:29	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16326	01/09/22 02:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16437	01/10/22 13:11	СН	XEN MID
Soluble	Analysis	300.0		1			16545	01/12/22 12:40	СН	XEN MID

Client Sample ID: Auger Hole 2 Date Collected: 01/06/22 14:06 Date Received: 01/07/22 13:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	16273	01/07/22 14:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16341	01/10/22 18:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16668	01/12/22 13:10	AJ	XEN MID

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-9959-2

Lab Sample ID: 880-9959-3 Matrix: Solid

Lab Sample ID: 880-9959-4

Client Sample ID: Auger Hole 2

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Page 40 of 52

5 6

9

Job ID: 880-9959-1

Lab Sample ID: 880-9959-4 Matrix: Solid

Date Collected: 01/06/22 14:06 Date Received: 01/07/22 13:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16424	01/10/22 11:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16336	01/10/22 23:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16437	01/10/22 13:11	СН	XEN MID
Soluble	Analysis	300.0		1			16545	01/12/22 12:50	СН	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Accreditation/Certification Summary

Page 41 of 52

Client: Etech Environm Project/Site: R E Cole	-	าร	-	Job ID: 880-9959-1	2
Laboratory: Eurofi Unless otherwise noted, all a		ere covered under each acc	reditation/certification below.		
Authority	Р	rogram	Identification Number	Expiration Date	
Texas		ELAP	T104704400-21-22	06-30-22	5
the following analytes the agency does not of		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	6
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM Total BTEX		Solid Solid	Total TPH Total BTEX		
					8
					9
					10
					13

Eurofins Midland

Method Summary

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Job ID: 880-9959-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Page 42 of 52

880-9959-3

880-9959-4

Sample Summary

Client: Etech Environmental & Safety Solutions Project/Site: R E Cole #002

Auger Hole 2

Auger Hole 2

Job ID: 880-9959-1

Page 43 of 52

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-9959-1	Auger Hole 1	Solid	01/06/22 14:00	01/07/22 13:05	0-6"
880-9959-2	Auger Hole 1	Solid	01/06/22 14:02	01/07/22 13:05	30-06"

Solid

Solid

01/06/22 14:04

01/06/22 14:06

01/07/22 13:05 0-6"

30-36"

01/07/22 13:05

Released to Imaging: 5/31/2022 1:41:37 PM

U	h ω	Maker	Relinquished by (Signature)	of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. its affiliates and subcontractors. It assigns standard terms and conditions	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed						ל פוטון ופנאיל		Auger Hole 2	Auger Hole 1	Auger Hole 1	Sample Identification	Sample Custody Seals	Cooler Custody Seals	Received Intact:	Temperature (°C)	SAMPLE RECEIPT	Sampler's Name Blake	PO Number 15318	Project Number 15318	Project Name R E (Phone 432-5	City, State ZIP Odes	Address 1300	Company Name Etech	Project Manager Brand			
			nature)	only for the cost of samp \$75.00 will be applied to	ent and relinquishment o	200.8 / 6020: d Metal(s) to be an:						0	b	s	s	s	tion Matrix	Yes No Wild	1 (l ^e	N 5/25 1	Temp Blank	Blake Estep	8	8	R E Cole #002	432-563-2200	Odessa, Tx 79765	13000 W CR 100	Etech Environmental	Brandon Wilson			5
		NC)	Received b	les and shall not each project and	f samples consti	8R						2202/01		1/6/2022	1/6/2022	1/6/2022	Date Sampled	Total (Correct		Th	Yes No										Hobbs N		
		12 12	Received by (Signature)	assume any res 1 a charge of \$5	tutes a valid pur	CRA 13PPM Texas 11 AI								14 04	14 02	14 00	Time Sampled	Total Containers	Correction Factor	JA I	Thermometer ID	Wet Ice (Due Date	Rush	Routine	Turn	Email b	0	A	c	в	Hobbs NM (575-392-7550) Phoenix AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)	Houston,TX Midland T.	: !
				ponsibility for a for each sample	chase order from	A Texas 11 A						30-30		0-22	30-36"	0-6"	Depth		6			(Yes) No	ite	1	×	Turn Around	Email brandon@etechenv com, blake@etechenv com	City, State ZIP	Address	Company Name	Bill to (if different)	50) Phoenix,A	Houston,TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334 Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock,TX (806)794-1296	
		56-1-1	D	ny losses a submittee	n client co								+	-	1 ×	1 X	Numb				ner	3		<u></u>			chenv c			e		Z (480-35	0 Dallas 10) EL Pa	Cha
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6	4	13:05 2		s incurred , but not a	Xenco. its	Sb As Ba Be B Cd Ca Cr Co o Sb As Ba Be Cd Cr Co Cu Pb						×		×	×	×	Chloric	les									(e@ete					Atlanta G/	902-0300 5)585-34	Chain of Custody
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1/13/2022

Page 44 of 52

4 5 6

13

Login Sample Receipt Checklist

Login Number: 9959	List Source: Eurofins Midland
List Number: 1	
Creator: Rodriguez, Leticia	

Client: Etech Environmental & Safety Solutions			Job Number: 880-9959-1	
Login Number: 9959			List Source: Eurofins Midland	
List Number: 1				E
Creator: Rodriguez, Leticia				5
Question	Answer	Comment		
The cooler's custody seal, if present, is intact.	N/A			
Sample custody seals, if present, are intact.	N/A			
The cooler or samples do not appear to have been compromised or tampered with.	True			8
Samples were received on ice.	True			
Cooler Temperature is acceptable.	True			9
Cooler Temperature is recorded.	True			
COC is present.	True			
COC is filled out in ink and legible.	True			
COC is filled out with all pertinent information.	True			
Is the Field Sampler's name present on COC?	True			
There are no discrepancies between the containers received and the COC.	True			
Samples are received within Holding Time (excluding tests with immediate HTs)	True			13
Sample containers have legible labels.	True			14
Containers are not broken or leaking.	True			
Sample collection date/times are provided.	True			
Appropriate sample containers are used.	True			
Sample bottles are completely filled.	True			
Sample Preservation Verified.	N/A			
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True			
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A			

•

Appendix D – Release Notification and Corrective Action (Form C-141)

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., 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 Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NGRL0835833263
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # (assigned by OCD)
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.3855171_

Longitude -103.1711349_ (NAD 83 in decimal degrees to 5 decimal places)

Site Name: R E Cole #002	Site Type: Oil
Date Release Discovered: 8-19-05	API# (if applicable)

Unit Letter	Section	Township	Range	County
Ν	16	228	37E	Lea

Surface Owner: 🛛 State 🗌 Federal 🗌 Tribal 🗌 Private (Name: _____

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Material(3) Released (Select an that apply and attach calculations of specific Justification for the volumes provided below)			
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)	
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)	
	Is the concentration of dissolved chloride in the	Yes No	
	produced water >10,000 mg/l?		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)	
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)	
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)	
Cause of Release: A 20 inch gathering line ruptured and released 1887 mscf of field gas, which ignited. Eunice emergency services were contacted and the line was blocked in. Rule 118 H2S Contingency Plan was followed for response. 3-5 acres of vegetation burned. Larson & Associates was contracted to do soil sampling along impacted line to determine if any remediation activities were required. The area was excavated and samples obtained to show cleanup to OCD requirements. TARGA will replace top soil and reseed area to insure vegetation is restored to normal state. TARGA hauled 1100 yards of top soil to the site and spread to a thickness of 4 to 6 inches. 300# of			

winter wheat was seeded. Site will be evaluated after rain and more seed planted if needed.

Page	2
1 age	4

Oil Conservation Division

Incident ID	NGRL0835833263
District RP	
Facility ID	
Application ID	

Was this a maion	If VES for what reason(a) does the removable next consider this a major release?			
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?			
release as defined by				
19.15.29.7(A) NMAC?				
🗌 Yes 🖾 No				
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?				
,				

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Amy Barnhill	Title: Water Specialist
Signature: Any Phile	Date: 2-7-22
email: ABarnhill@chevron.com	Telephone: 432-687-7108
OCD Only	
Received by:	Date:

Received by OCD: 2/16/2022 9:30:04 AM Form C-141 State of New Mexico

Oil Conservation Division

	Page 49 of 52
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
Topographic/Aerial maps

Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

eceived by OCD: 2/16/2022 9:30:04 AM orm C-141 State of New Mexico		Page 50 of 52		
			Incident ID	
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are re public health or the environm failed to adequately investigat addition, OCD acceptance of and/or regulations.	mation given above is true and complete to the equired to report and/or file certain release not ent. The acceptance of a C-141 report by the 0 te and remediate contamination that pose a thr a C-141 report does not relieve the operator of	ifications and perform co OCD does not relieve the eat to groundwater, surfa f responsibility for compl	prrective actions for rele operator of liability shi ce water, human health iance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
Received by:		Date:		

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u> : Each of the following ite	ems must be included in the closure report.		
A scaled site and sampling diagram as described in 19.15.29.11	NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)			
Description of remediation activities			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.			
Printed Name:	Title:		
Printed Name:	Date: 2-16-22		
email:	Telephone:		
OCD Only			
Received by:	Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.			
Closure Approved by: Bradford Billings	Date:05/31/2022		
Printed Name:Bradford Billings	Title:Env. Spec. A		

Page 6

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:		
CHEVRON U S A INC	4323		
6301 Deauville Blvd	Action Number:		
Midland, TX 79706	82042		
	Action Type:		
	[C-141] Release Corrective Action (C-141)		
CONDITIONS			

Created By Condition Condition Date bbillings 5/31/2022 None

Page 52 of 52