From:	Harimon, Jocelyn, EMNRD
То:	ABarnhill@chevron.com
Subject:	Regarding Application ID 131409 for Incident # NCLB0523732298 MARKHAM #001
Date:	Friday, November 18, 2022 9:57:00 AM

To whom it may concern,

Regarding Application ID 131409 for Incident # NCLB0523732298 MARKHAM #001. We have received your Workplan/Remediation Proposal for <u>NCLB0523732298 MARKHAM</u> <u>#001</u>, thank you. This Workplan/Remediation proposal is approved with the following conditions:

- As this release is not fully horizontally and vertically delineated any remediation efforts will be at-risk. All remediation efforts will be assessed by the OCD at the time of the incident closure submittal.
- All areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg. Surface to 4' below ground surface sidewall/floor samples need to comply with the strictest closure criteria limits (600 mg/kg, Chlorides, 100 mg/kg TPH, etc.).
- All (floor/sidewall) closure samples on pad will need to meet closure criteria standards for depth to water of <50' in Table 1 of the Spill Rule.
- Please collect more confirmation samples, representing no more than 200 square feet. *Alternately, without division approval, the responsible party may elect to perform a composite and grab sample plan of the remediated area where each composite sample is not representative of more than 200 square feet 19.15.29.12D(1)(c).* Please have soil samples analyzed for all components in Table 1 of the spill rule. The current spill rule may be viewed here: <u>http://164.64.110.134/parts/title19/19.015.0029.html</u>
- Please continue to horizontally delineate sample points to 600 mg/kg for chlorides and TPH to 100 mg/kg on the outer edges/periphery and include sample points in your next report after closure criteria limits have been met. Surface sample points and sidewalls on the edge of the release need to be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH for the spill to be horizontally delineated. While vertical definition of contamination that may be acceptable is almost exclusively driven by depth to water, as determined, and as driven by Table I in rule, horizontal definition is different. The edges (horizontal definition) of a liquid release must be determined as well. The only value for determined appropriate to Rule 29, or, for chloride, 600 mg/Kg in soils. This 600 mg/Kg value is discussed in detail in 19.15.29.13 D. (1). Therefore, horizontal soils delineation for chloride should be 600 mg/KG (again, or background) for all liquid releases, either on or off production pad.

JΗ

Jocelyn Harimon • Environmental Specialist

Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u> http:// www.emnrd.nm.gov



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August 2, 2022

Robert Hamlet New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505 PH #: 575-748-1283 Robert.Hamlet@state.nm.us

Re: Soil Remediation Workplan Chevron USA Markham #001 Release (nCLB0523732298) GPS: N 32.29687° W 104.07689° Unit Letter "C", Section 22, Township 23 South, Range 28 East Eddy County, New Mexico

Dear Mr. Hamlet,

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA (Chevron), has prepared this Soil Remediation Workplan for the Markham #001 Release Site (Release Site). The legal description of the Release Site is Unit Letter "C", Section 22, Township 23 South, Range 28 East, in Eddy County, New Mexico. The GPS coordinates for the site are N 32.29687° W 104.07689°. A Site Location Map and Aerial Proximity Map are provided as Figure 1 and Figure 2, respectively.

### **INTRODUCTION**

On June 9, 2005, a reportable release occurred at the Release Site. The release was the result of human error in which, a truck driver offloading crude oil overfilled the tank. Approximately three (3) barrels (bbls) of crude oil and seventy (70) bbls of produced water was released with approximately two (2) bbls of crude oil and sixty-eight (28) bbls of produced water was recovered via vacuum trucks, for a net loss of one (1) bbl of crude oil and two (2) bbls of produced water. The initial Form C-141 is provided in Appendix A.

### NMOCD SITE CLASSIFICATION

New Mexico Oil Conservation Division (NMOCD) assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and karst status and follow the criteria in the revised August 2018 Title 19 Chapter 15 part 29 New Mexico Administrative Code (19.15.29 NMAC) regulations. Groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE), New Mexico Bureau of Geology & Mineral Resources (NMBGMR), and United States Geological Survey (USGS) were accessed to determine if any registered water wells were located within a half-mile of the site. The databases identified ten (10) water wells within a ½-mile radius. One (1) water well is located within one thousand (1,000) ft of the release. The closest water well is NMOSE Well # C-01872 with a depth to water of forty-eight (48) feet below ground surface (bgs). The average depth to water in a half mile radius is forty (40) feet bgs. In addition, the site is listed as being in a medium Karst Topography region. See Appendix B for maps, along with water well data, detailing the site relative to groundwater locations. Based on the NMOCD site classification system, the following soil remediation levels were assigned to the Release Site:

- Benzene 10 mg/Kg (ppm)
- Total BTEX 50 mg/Kg (ppm)
- Total TPH -100 mg/Kg (ppm)
- Chloride 600 mg/Kg (ppm)

### INITIAL ASSESSMENT AND DELINEATION ACTIVITIES

On May 2, 2022, Etech was onsite to perform the initial assessment and delineation of the release. Since the pad has been reclaimed, Etech inferred the location of the release utilizing historical Google Earth imagery. Two (2) auger holes (Auger Hole 1 and Auger Hole 2) were installed in the inferred spill area to depths ranging from six (6) inches bgs to forty-eight (48) inches bgs. Samples were collected and submitted to Europhins Laboratory in Midland, Texas for analysis of Benzene, Toulene, Ethylbenzene, and Xylenes (BTEX) by EPA method 8021B, Total Petroleum Hydrocarbons (TPH) by EPA method 8015M, and Chlorides by EPA method 300.0. Analytical concentrations for chloride were above the method detection limit (MDL) and/or the NMOCD remediation standards in Auger Hole 2 (AH-2) in interval 42-48". All other analysis were below both the NMOCD Closure Criteria or Reclamation Standards. See Table 1 for analytical results. See Appendix C for attached photos detailing release and impact to pad. See Figure 3 for Delineation Plat.

### SOIL DELINEATION AND REMEDIATION WORKPLAN

Etech proposes to complete delineation and remediation in accordance with NMOCD rules and regulations which will entail the following:

- Impacted soils will be excavated to appropriate depths based on delineation data and stockpiled on plastic awaiting disposal.
- During excavation activities soils will be field screened utilizing chloride test kits and a PID meter for determination of laboratory sampling and additional excavation, if warranted.
- Upon completion of the excavation, confirmation soil samples will be collected every two hundred (200) square feet from the base and sidewalls (representing no more than 50 linear feet) of the excavated areas. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary. Samples will be submitted to Permian Basin Environmental Labs of Texas (PBELAB) for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015M, and Chlorides by EPA method 300.0.
- The impacted soils will be transported off-site for disposal at an NMOCD approved disposal facility.
- Upon completion of additional delineation/remediation and requisite soil sampling, the site will be backfilled with locally sourced, non-impacted "like" material from an approved off-site facility and brought back to grade.
- A closure report with final C-141 will be submitted to the NMOCD upon completion of remediation activities.

Once the soil remediation work plan has been approved by the NMOCD, Chevron will commence remediation activities. Upon completion of remediation activities, Chevron will complete the activities within ninety (90) days of approval and submit a *"Remediation Summary and Site Closure Request Report"* to the NMOCD.

If you have any questions, or if additional information is required, please feel free to call me at 432-563-2200 (office) or 432-894-6038 (cell).

Thank you,

Black Eito

Blake Estep Project Manager Etech Environmental & Safety Solutions, Inc.

by Kindley

Jeffrey Kindley, P.G. Senior Project Manager/Geologist Etech Environmental & Safety Solutions, Inc.

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### Attachments:

Figure 1 – Topographic Map Figure 2 – Aerial Proximity Map Figure 3 – Delineation Plat Table 1 – Initial Concentrations of BTEX, TPH, and Chloride in Soil Appendix A: Initial Release Notification and Corrective Action Form C-141 Appendix B: Groundwater Data Maps and Supporting Water Well Data Appendix C: Photographic Documentation Appendix D: Laboratory Analytical

cc: File

# Figure 1 Topographic Map

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# Figure 2 Aerial Proximity Map

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# Figure 3 Delineation Plat



# Table 1Concentrations of BTEX, TPH, and Chloride in Soil

			Concer		Tabl of BTEX, 7 Chevro Markha 10CD Ref	ГРН, and n USA m #001		in Soil			
NMO	CD Closure C	riteria		10	50	-	-	-	-	100	600
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
Auger Hole 1	5/2/2022	0-0.5	In-Situ	< 0.00202	< 0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	16.9
Auger Hole 1	5/2/2022	3.5-4	In-Situ	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	32.3
Auger Hole 2	5/2/2022	0-0.5	In-Situ	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	20.5
Auger Hole 2	5/2/2022	3.5-4	In-Situ	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	3,000

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# Appendix A

### **Initial Release Notification and Corrective Action Form C-141**

ReDistrict by C 1625 N. Prend District II			M	-		New Mexico and Natural R					ber 10, 200
District III 1000 Rio Braz District IV	os Road, Aztec	sia, NM 88210 c, NM 87410 1 Fe, NM 87505		1220 \$	Sout	rvation Divis h St. Francis e, NM 87505	Dr.		Submit 2 Co District O wit	ffice in a h Rule 1	appropriat accordanc 16 on bac de of forr
30-015-	2654	4	Rele	ase Notifica				ion			
n CLBOS						OPERATO			l Report	🔲 Fi	inal Repo
		Chesapeake E	inergy			Contact: Brad	ley Blevins		<b>A</b>		
Address:	5014 Carlsb	ad Highway					: (505) 391-146	2 ext. 24			
Facility N	ame: Markh	iam #1				Facility Type:	Tank Battery				
this section Peggy Doy	n are owned	ons of Unit L by Floyd Ma nsburst, Roy urkham.	irkham,		wner	: Fee	,	Lease N	0.:		
				LOCAT	[ <b>IO</b> ]	N OF RELE	ASE				
Unit Lette C	r Section 22	Township 23 S	Range 28 E	Feet from the 300	No	rth/South Line North	Feet from the 2,250	East/West Li West	ne	Count Eddy	
		I	Latitı	ude: N 32º 17' 48		" Longitude: W	V 104° 04' 36.95	7"	. <b>I</b>		
						OF RELEA		<u> </u>			
Type of Re	ease: Water (	70 barreis) an	d Oil (3 ba				lease: 73 barrels		ecovered: 70		
Source of R	elease: Tank					Date and Hou 09 June 2005	r of Occurrence:		<b>Iour of Disc</b> 05 @ 0200 h		
Was Imme	liate Notice (	Jiven?		· · · · · · · · · · · · · · · · · · ·		If YES, To WI		1 09 Julie 200	05 @ 0200 II	13	
			les 🔲	No 🛛 Not Requ	ired		NMOCD Artesia	L		RECE	IVED
		ins. Chesapea	ke Energy	Corporation			r: 09 June 2005 @			JUN 2	7-2005
Was a Wate	ercourse Rea		Yes 🖾 N	Ňo		Not Applicable	ne Impacting the	Watercourse:	0		- 1000 11 E B I
If a Watero	nurse was Im			.* Not Applicable				<u> </u>			
		-	-								
Describe Ca in the release recovered.	use of Proble e of approxian	em and Reme ntely 73 barrel	dial Actions of crude	on Taken.* Truck ( oil and water. A v	driver acuur	failed to notice t n truck was retair	he tank was spillin ned immediately to	ng over during o o recover the liq	off-loading ac uid, with 70	tivities, i barrels b	resulting eing
within the be	ermed area. A	ll liquid was re	covered u	<b>ken.*</b> Approximate tilizing a vacuum t plan is developed.	ely 2, ruck.	300 square feet o Saturated soil wa	f surface area was as excavated and s	impacted by the stockpiled on pla	e release, all astic on June	of which 10, 2005	was 5. The
regulations a public health should their or the enviro	Il operators and or the enviro operations have nment. In add	re required to r nment. The advice the failed to ad	eport and cceptance equately ir D accepta	s true and complete /or file certain relea of a C-141 report b nvestigate and remo nce of a C-141 repo	ase no by the ediate	tifications and pe NMOCD marked contamination th	erform corrective a d as "Final Report at pose a threat to	actions for releas " does not reliev ground water, s	ses which may be the operators surface water	y endang or of liab , human	ger ility health
				/		<u>(</u>	DIL CONSER	VATION D	IVISION		
Signature:	Tras	they T	Zleven	-				TIM GU	M ,		
Printed Nan	-	1			A	Approved by Dist	trict Supervisor:	by M	n/kg/	Sman	R
Title: Field 7					A	pproval Date:	9/14/05	Expiration D	n/je je ate: N/A		
		@chkenergy.c	om			Conditions of Ap	<b>F F F F F F F F F F</b>		Attached	ф	
Date: 06-	23.05	Pl	hone: (505	5) 391-1462 ext. 24					/	`	
* Attach Add	itional Shee										

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Oil Conservation Division

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Incident ID	nCLB0523732298
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?	<u>&gt;30</u> (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 <b>not</b> 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
- $\boxtimes$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- $\boxtimes$  Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- $\square$  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.

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Form C-141			Incident ID	nCLB0523732298
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are requipublic health or the environment. failed to adequately investigate and addition, OCD acceptance of a C and/or regulations. Printed Name: <u>Amy Barnh</u> Signature: <u>ABarnhill@che</u> email: <u>ABarnhill@che</u>	Thill	ifications and perform co OCD does not relieve the eat to groundwater, surfa	prective actions for rele operator of liability sho ce water, human health iance with any other feo <b>VISOR</b>	ases which may endanger ould their operations have or the environment. In
OCD Only				
Received by: <u>Jocelyn Har</u>	imon	Date:08/	04/2022	

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Oil Conservation Division

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Application ID	

### **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

<b>Deferral Requests Only:</b> Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around pr deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	h, the environment, or groundwater.
	and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: _Amy Barnhill	Title: _Water Advisor
Signature: Mul hill	Date: _8-4-22
email: _ABarnhill@chevopn.com	Telephone: _432-687-7108
OCD Only	
Received by: Jocelyn Harimon	Date:08/04/2022
Approved X Approved with Attached Conditions of	Approval Denied Deferral Approved
Signature:	Date: 11/18/2022

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# Appendix B

# **Groundwater Data Maps and Supporting Water Well Data**





# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a	(R=POD been rep O=orpha C=the fil	laced, med,		(	qua	irte	rs are	1=NW	/ 2=NE	3=SW 4=SJ	E)				
water right file.)	closed)			(	qua	rte	rs are	smalle	est to lar	gest) (N	NAD83 UTM in m	neters)	(In fee	et)	
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<u>C 01872</u>	Coue	C	ED	04	2	1	22	23S	28E	л 586878	3573649* 🥘	71	68	48	20
<u>C 01336</u>		С	ED	2	1	1	22	23S	28E	586572	3573744* 🥘	334	190	30	160
<u>C 00211</u>		С	ED	4	3	3	15	23S	28E	586570	3573949* 🌍	408	89	48	41
<u>C 00094 AS</u>	С	CUB	ED	1	3	2	22	238	28E	587183	3573346* 🌍	461	165	40	125
<u>C 01487</u>		CUB	ED	3	4	1	22	23S	28E	586779	3573142* 🌍	587	150	38	112
C 01487 CLW201796	0	CUB	ED		3	2	22	23S	28E	587284	3573247* 🌍	602	90	30	60
<u>C 01253</u>		CUB	ED	1	3	1	22	238	28E	586375	3573338* 🌍	651	179	50	129
											Avera	ge Depth to Water	:	40 fee	et
												Minimum Dept	ih:	30 fee	et
												Maximum Dept	h:	50 fee	et
Record Count: 7						1									
UTMNAD83 Radius	<u>s Search (ii</u>	n meters	<u>):</u>												
<b>Easting (X):</b> 586	5905.61		North	ing	<b>(Y</b>	):	3573	3715.43	;		Radius: 804.67				
*UTM location was derived	from PLSS	- see Helj	р												
The data is furnished by the N accuracy, completeness, reliab										derstanding t	hat the OSE/ISC ma	ake no warranties, e	xpressed or imp	lied, conceri	ning the

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WATER COLUMN/ AVERAGE DEPTH TO WATER



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09/29		1999		0	A	ms ms						0
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	5/2000	2000		0	A	mb						0
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	/2000	2000		0	A	mb						0
01/05		2000		0	A	ms						0
05/03		2001		0	А	ms						0
07/20		2001		0	А	ms						0
09/27	/2001	2001		0	А	ms						0
11/08	/2001	2001		0	А	AM						0
04/10	/2002	2002		0	А	MB						0
06/12	2/2002	2002		11	А	MS						11.300
09/03	/2002	2002		20	А	ms						8.820
10/22	2/2002	2002		20	А	ms						0
01/13	/2003	2002		20	А	ms						0
06/03	/2003	2003		45	А	ms						24.690
07/10	/2003	2003		55	А	ms						9.730
08/20	/2003	2003		79	А	ab						24.440

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2003		85	А	ab
2004		85	А	RPT
2004		85	Α	RPT
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2005		85	А	JW
2006		85	Α	RPT
er Amounts:	Year			Amount
	1999			0
	2000			0
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#### \*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.

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POINT OF DIVERSION SUMMARY

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		· •	ers are 1 rters are				W 4=SE) t)	(NAD83 U	(NAD83 UTM in meters)		
Well Tag I	POD	POD Number		Q16 (	Q4 S	Sec	Tws Rng		X	Y	
	C 0	0211	4	3	3	15	23S	28E	586570	3573949* 🌍	
o Driller Lico	ense:	592	Driller	: Com	pan	y:	ТО	MBLIN	DRILLING	3	
Driller Nar	ne:	J. W. TOMBLIN									
Drill Start	Date:	06/19/1979	Drill F	inish	Date	:	0	6/20/197	79 <b>P</b> I	ug Date:	
Log File Da	ate:	09/26/1979	<b>PCW</b>	Rcv D	ate:		1	2/08/195	50 <b>S</b> o	ource:	Shallow
Pump Type	9:		Pipe D	lischa	rge S	Size	:		Es	Estimated Yield:	
	e:	7.00	Depth	Wall			0	9 feet	n	epth Water:	48 feet

\*UTM location was derived from PLSS - see Help

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Well Tag	POD	Number		(q	uarters ar	e small	2=NE 3=S est to large ec Tws	st)	,	(NAD8	33 UT <b>X</b>	M in meter	s) Y	
wen lag	C 01			1	-	-	2 23S		0	5863		3573338	_	
x Driller Lice	maa	410		Drill	lan Can	nont	. DD	IN	UNISTO		м			
Driller Nan		BRININS	TOOL		ler Con	прапу	• DK		IINSTC	JOL, A	<b>.v.</b> .			
Drill Start		05/15/19	65	Dril	l Finish	Date	: 0	6/(	04/1965	5	Plu	ig Date:		
Log File Da	ate:	07/09/19	65	PCV	V Rev I	Date:	0	4/2	22/1966	5	So	urce:		Shallow
Pump Type	e:			Pipe	Discha	arge S	ize:				Es	timated <b>Y</b>	ield:	
Casing Size	e:	20.00		Dep	th Well	:	1	79	feet		De	pth Wate	r:	50 feet
X	Wate	r Bearing	Stratific	cations	:	Тор	Bottom	1	Descri	ption				
		8				80	100		Other/U	-	wn			
						122	170					/Conglom	nerate	
						170	179		Other/U			-		
x	Mete	r Number	:	571			Meter	М	ake:		М	CCROM	ETER	
	Mete	r Serial N	umber:	02-56	17-10		Meter	М	ultiplie	er:	1.	0000		
	Num	ber of Dia	ls:	3			Meter		-		D	iversion		
		of Measur		Acre-I	Feet		Return	-	-	ercent:				
		e Multipli					Readir							
									rreau					
	x							0	-	·				
Meter I	Readin	gs (in Acr						0	-	·				
	Readin Date									·				 Amount Or
Read		gs (in Acr	e-Feet)							·				
<b>Read</b> 12/29 04/01	Date 0/1998 ./1999	gs (in Acr Year	e-Feet)	eading	Flag	Rdı				·				Amount O
<b>Read</b> 12/29 04/01 06/15	Date 0/1998 0/1999 0/1999	gs (in Acr Year 1999 1999 1999	e-Feet)	eading 10 10 11	Flag A	<b>Rdı</b> ms				·				Amount Or 0 0.110 0.660
Read 12/29 04/01 06/15 09/29	Date 0/1998 ./1999 5/1999 0/1999	gs (in Acr Year 1999 1999 1999 1999	e-Feet)	eading 10 10 11 11	Flag A A A A	<b>Rdi</b> ms ms				·				Amount Or 0 0.110 0.660 0.420
Read 12/29 04/01 06/15 09/29 01/04	D/1998 /1999 5/1999 0/1999 0/1999	gs (in Acr Year 1999 1999 1999 1999 1999	e-Feet)	eading 10 10 11 11 11	Flag A A A A A	Rdi ms ms ms ms				·				Amount O 0 0.110 0.660 0.420 0.070
Read 12/29 04/01 06/15 09/29 01/04 04/06	Date )/1998 )/1999 )/1999 )/1999 )/2000 )/2000	gs (in Acr Year 1999 1999 1999 1999 1999 2000	e-Feet)	eading 10 11 11 11 11	Flag A A A A A A	Rdn ms ms ms ms ms mb				·				Amount Or 0 0.110 0.660 0.420 0.070 0.010
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07	D/1998 /1999 5/1999 0/1999 0/2000 5/2000 7/2000	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000	e-Feet)	eading 10 11 11 11 11 11	Flag A A A A A A A	Rdn ms ms ms ms mb mb				·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19	Date )/1998 /1999 )/1999 )/1999 )/2000 )/2000 )/2000 )/2000	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 11 11 11 11 11 11 12	Flag A A A A A A A A A	Rdi ms ms ms ms mb mb				·				Amount Or 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05	<b>Date</b> 9/1998 /1999 9/1999 9/1999 9/2000 9/2000 9/2000 9/2000 9/2001	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 11 11 11 11 11 11 12 12	Flag A A A A A A A A A A	Rdn ms ms ms ms mb mb mb mb				·				Amount Or 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03	<b>Date</b> 2/1998 2/1999 2/1999 2/2000 2/2000 2/2000 2/2000 2/2001 2/2001	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 11 11 11 11 11 11 12 12 12	Flag A A A A A A A A A A	Rdn ms ms ms ms mb mb mb mb ms				·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20	Date     0/1998     /1999     0/1999     0/1999     0/1990     0/2000     0/2000     0/2000     0/2001     0/2001     0/2001	gs (in Acr Year 1999 1999 1999 1999 2000 2000 2000 2000	e-Feet)	eading 10 11 11 11 11 11 12 12 12 12 12	Flag A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb ms ms				·				Amount Or 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20 09/27	<b>Date</b> 9/1998 /1999 9/1999 9/1999 9/2000 9/2000 9/2000 9/2001 9/2001 9/2001 9/2001	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 11 11 11 11 11 12 12 12 12 12 12	Flag A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb ms ms ms	r Comm			·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0 2.620
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20 09/27 11/08	Date     2/1998     2/1999     2/1999     2/1999     2/1999     2/2000     2/2000     2/2000     2/2001     2/2001     2/2001     2/2001     2/2001     2/2001     2/2001	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 11 11 11 11 11 12 12 12 12 12 15 64	Flag A A A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb ms ms ms ms	r Comm			·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0 2.620 49.290
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20 09/27 11/08 04/10	Date     0/1998     /1999     0/1999     0/1999     0/1999     0/2000     0/2000     0/2000     0/2001     0/2001     0/2001     0/2001     0/2001     0/2001     0/2001	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 10 11 11 11 11 12 12 12 12 12 15 64 105	Flag A A A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb ms ms ms ms MB	r Comm			·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0 2.620 49.290 41.410
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20 09/27 11/08 04/10 06/07	Date     2/1998     2/1999     2/1999     2/1999     2/1999     2/2000     2/2000     2/2000     2/2001     2/2001     2/2001     2/2001     2/2001     2/2001     2/2001	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 10 11 11 11 11 11 12 12 12 12 12	Flag A A A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb ms ms ms ms	r Comm			·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0 2.620 49.290
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20 09/27 11/08 04/10 06/07 09/03	Date     0/1998     /1999     0/1999     0/1999     0/1999     0/2000     0/2000     0/2001     0/2001     0/2001     0/2001     0/2001     0/2001     0/2001     0/2002     0/2002	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 10 11 11 11 11 11 12 12 12 12 12	Flag A A A A A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb mb ms ms ms MS MB	r Comm			·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0 2.620 49.290 41.410 105.240
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20 09/27 11/08 04/10 06/07 09/03 01/13	Date     0/1998     /1999     0/1999     0/1999     0/1999     0/2000     0/2000     0/2000     0/2001     0/2001     0/2001     0/2001     0/2001     0/2002     0/2002     0/2002     0/2002	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 10 11 11 11 11 12 12 12 12 12 12	Flag A A A A A A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb mb ms ms ms Ms MB MS ms	r Comm			·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0 2.620 49.290 41.410 105.240 63.480
Read 12/29 04/01 06/15 09/29 01/04 04/06 07/07 10/19 01/05 05/03 07/20 09/27 11/08 04/10 06/07 09/03 01/13 04/02	Date     0/1998     /1999     0/1999     0/1999     0/1999     0/1999     0/2000     0/2000     0/2000     0/2001     0/2001     0/2001     0/2001     0/2002     0/2002     0/2002     0/2002     0/2003	gs (in Acr Year 1999 1999 1999 1999 1999 2000 2000 2000	e-Feet)	eading 10 10 11 11 11 11 11 12 12 12 12 12	Flag A A A A A A A A A A A A A A A A A A	Rdn ms ms ms ms mb mb mb mb ms ms ms MB MB MS ms	r Comm			·				Amount O 0 0.110 0.660 0.420 0.070 0.010 0.180 0.300 0 0.140 0 2.620 49.290 41.410 105.240 63.480 34.440

	2003	357		TW			0
01/06/2004	2003	0	А	RPT			0
01/06/2004	2003	357	А	ab			0
04/27/2004	2004	119	А	RPT			119.240
07/14/2004	2004	119	А	TW			0
10/20/2004	2004	119	А	TW			0
01/03/2005	2004	119	А	TW			0
03/30/2005	2005	119	А	JW			0
07/06/2005	2005	119	А	JW			0
01/05/2006	2005	119	А	TW	PUMP PULLED		0
**YTD Meter	· Amounts:	Year	A	Amount			
		1999		1.260			
		2000		0.490			
		2001		52.050			
		2002	:	244.570			
		2003		48.920			
		2004		119.240			
		2005		0			
× Meter N	Number:	572			Meter Make:	ELECTRIC	
Meter S	Serial Numl	ber: 15082	467		Meter Multiplier:	1.0000	
Number	r of Dials:	5			Meter Type:	Power Child	
Unit of	Measure:	Kilow	att Ho	urs	<b>Return Flow Percent:</b>		
•	Aultiplier:				<b>Reading Frequency:</b>		
Meter Readings							
Read Date	Year M	tr Reading	Flag	Rdr	Comment	Mtr	Amount Online
	1999	46229	А	ms			0
04/01/1999	1999	46240	А	ms			11.000
06/15/1999	1999	46275		ms			35.000
09/29/1999	1999	46307		ms			32.000
	2000	5318		mb	Meter Reading Correctio		0989.000
	2000	6318		mb			1000.000
	2000	6336		mb			18.000
07/20/2001	2001	6336	А	ms			0
06/03/2003	2003	0	А	ms			0
	· Amounts:	Year	A	Amount			
× **YTD Meter		1000		78.000			
x		1999					
x		2000	-39	971.000			
x			-39	971.000 0			

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			(quarters) (quarter	are 1=N rs are sma			(NAD83 U	(NAD83 UTM in meters)			
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	X	Y		
	C 0	1336	2	1 1	22	23S	28E	586572	3573744* 🍯		
Driller Lic	ense:	24	Driller (	Compa	ny:	BR	ININST	OOL, M.D.			
Driller Na	me:	HOWARD HEM	LER								
<b>Drill Start Date:</b> 09/03/1966			Drill Fin	ish Da	te:	09	9/20/196	56 <b>Pl</b> i	Plug Date:		
Log File Date: 01/26/1967			PCW Ro	ev Date	:		So	Source:			
Ритр Тур	e:		Pipe Dis	charge	Size	:		Estimated Yield:			
Casing Siz	e:	7.00	Depth W		19	00 feet	De	epth Water:	30 feet		
(	Wate	er Bearing Stratif	ications:	То	p E	ottom	Descr	ription			
				3	8	42	Sands	stone/Gravel	/Conglomerate	<b>,</b>	
				6	66	75	Sands	stone/Gravel	/Conglomerate	e	
				15	55	160	Sands	stone/Gravel	/Conglomerate	e	
C		Casing Per	forations:	orations: Top			Bottom				
				3	88	42					

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			(quarters	are 1=N	W 2=1	NE 3=S	W 4=SE)			
			(quarter	s are sm	allest t	o larges	t)	(NAD83 U		
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Χ	Y	
	C 0	1487 CLW201796		3 2	22	23S	28E	587284	3573247* (	<b>&gt;</b>
x Driller Lic	ense:	30	Driller C	Compa	ny:	BA	RRON,			
Driller Na	me:	BARRON, EMME	TT							
Drill Start	Date:	Drill Fin	ish Da	te:	1	0/28/19	74 <b>P</b> I	ug Date:		
Log File D	Log File Date: 12/02/1974		PCW Ro	ev Date	e:	1	0/22/19	74 <b>S</b> o	ource:	Shallow
Pump Typ	e:		Pipe Dis	charge	e Size	:		Es	<b>Estimated Yield:</b>	
Casing Siz	æ:	16.00	Depth W	ell:		9	0 feet	De	epth Water:	30 feet
x	Wate	er Bearing Stratific	ations:	Тс	op B	otton	Desci	ription		
		2		3	30	9(	) Sands	stone/Grave	l/Conglomera	te
X		Casing Perfor	rations: Top		op B	Bottom				
				~	20	41				

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Well Tag	<b>POD</b> C 01	<b>Number</b> 1487	(q	uarters ar 54 Q16	e smalle Q4 Se	2=NE 3=SW st to largest ec Tws 2 23S	t) Rng		3 UTM in meters) X Y 79 3573142* 🌍	
x Driller Lice	nse:	655	Dril	ler Cor	npany	: TAY	'LOR, E	BILL G.		
Driller Nam	ne:	BILL G.	TAYLOR, JR.							
Drill Start I	Date:	12/07/19	977 <b>Dri</b> l	l Finish	n Date:	12	2/22/197	7	Plug Date:	
Log File Da	te:	01/13/19	978 <b>PCV</b>	V Rcv I	Date:	10	/22/197	4	Source:	Shallow
Pump Type:	:		Pipe	Discha	arge Si	ze:			Estimated Yield:	
Casing Size:	:	16.00	Dep	th Well	l <b>:</b>	15	0 feet		Depth Water:	38 feet
x										
	Wate	r Bearing	g Stratifications:	:	Тор	Bottom	Descri	iption		
					38				wel/Conglomerate	
					90				wel/Conglomerate	
					102	114	Sandst	one/Gra	wel/Conglomerate	
X		Cas	ing Perforations	s:	Тор	Bottom				
					0	107				
x	Moto	r Numbe	r: 570			Meter N	Mako		WATER SPEC	
			<b>Sumber:</b> 93461	8		Meter M		er.	1.0000	
		ber of Dia		0		Meter 7	_		Diversion	
		of Measu		Feet		Return		ercent·	Diversion	
		e Multipl				Reading			Quarterly	
Meter R	leadin	gs (in Ac	re-Feet)							
Read	Date	Year	Mtr Reading	Flag	Rdr	Comme	ent		Mtr	Amount Online
10/29/	/1998	1999	0	А	ms					0
06/15/	/1999	1999	0	А	ms					0
09/29/	/1999	1999	0	А	ms					0
04/06/	/2000	2000	0	А	mb	Nonope	rational			0
07/07/		2000	0	А	mb					0
10/19/		2000	0	А	mb					0
01/03/		2000	0	Α	ms					0
05/03/		2001	0	A	ms					0
07/20/		2001	0	A	ms					0
09/27/ 11/08/		2001 2001	0	A A	ms AM					0 0
04/10/		2001	0	A A	MB					3.140
06/11/		2002	41	A	MS	adjustm	ent			37.770
06/11/		2002	9965	A	MS	adjustm				0
09/03/		2002	14	R	ms	Meter R				48.620
04/01/		2002	49	А	MS					35.220
06/03/		2003	70	А	ms					20.610
08/20/	/2003	2003	118	А	ab					48.240

	etstatetnm.us/r	imwrrs/Repo	ortDis	spatcher?ty	pe=PODGHTML&name=PodGroundSummaryHTML.jr>
10/28/2003	2003	137	А	TW	18.910
01/06/2004	2003	137	А	ab	0
04/27/2004	2004	170	А	RPT	32.610
07/14/2004	2004	194	А	TW	24.010
10/20/2004	2004	194	А	TW	0
01/03/2005	2004	194	А	TW	0
03/30/2005	2005	194	А	JW	0
07/06/2005	2005	194	А	JW	0
01/05/2006	2005	194	А	TW	0
04/05/2006	2006	194	А	tw	0
07/06/2006	2006	197	А	tw	3.150
01/04/2007	2006	204	А	tw	7.410
04/27/2007	2007	204	А	tw	0
07/03/2007	2007	204	А	tw	0
10/10/2007	2007	204	А	tw	0
01/03/2008	2007	204	А	tw	0
04/24/2008	2008	204	А	tw	0
07/16/2008	2008	204	А	tw	0
10/02/2008	2008	205	А	tw	0.880
01/15/2009	2008	205	А	tw	0
04/22/2009	2009	206	А	tw	0.930
06/07/2009	2009	206	А	tw	0
01/06/2010	2009	206	А	tw	0
06/02/2010	2010	206	А	tw	0.010
01/12/2011	2010	206	Α	tw	0
01/23/2012	2011	214	А	tw	7.660
03/12/2012	2012	214	А	tw	0
07/02/2012	2012	217	А	tw	2.960
02/12/2013	2012	225	А	tw	8.530
11/05/2013	2013	286	А	tw	60.430
06/10/2014	2014	286	А	tw	0
01/27/2015	2014	286	Α	tw	0
07/24/2015	2015	286	А	tw	0
02/24/2016	2015	286	А	tw	0
08/19/2016	2016	286	А	tw	0
12/28/2016	2016	286	А	tw	0
07/20/2017	2017	286	А	tw	0
01/08/2018	2017	286	A	tw	0
* **YTD Met	er Amounts:	Year		Amount	
		1999		0	
		2000		0	
		2001		0	
		2002		124.750	
		2002		87.760	
		2003		56.620	
		2005		0.020	
		2005		10.560	
		2007		0	
		2008		0.880	
		2000		0.000	

Respired by QCD: 8/4/2022 8:32:53 AMm.us/nmwrs/ReportDispatcher?type=PODGHTML&name=PodGroundSummaryHTML.jrxml&basin=200f 64

	2009	0.930	
	2010	0.010	
	2011	7.660	
	2012	11.490	
	2013	60.430	
	2014	0	
	2015	0	
	2016	0	
	2017	0	
x			

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Vell Tag POD Number		Number	(quarters are sm 064 016 04		U	<i>′</i>	(NAD83 U X	TM in meters) Y	
wen lag		1872	2 1	22		28E	586878	3573649* 🌍	
Driller Lice	ense:	113	Driller Compa	ny:	MC	RELAN	D, A.J.		
Driller Nan	ne:	MORELAND, A.J.							
Drill Start l	Date:	04/07/1980	Drill Finish Da	nte:	0	6/12/198	0 <b>P</b> I	ug Date:	
Log File Da	ite:	07/02/1980	PCW Rev Date	e:			So	ource:	Shallow
Ритр Туре	:		Pipe Discharge	e Size	:		Es	timated Yield:	300 GPM
Casing Size	:	7.00	Depth Well:		6	8 feet	D	epth Water:	48 feet
x	Wate	er Bearing Stratifica	ntions: To	op E	ottom	Descr	iption		
			:	52	68	Sandst	tone/Grave	l/Conglomerate	

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### Minimum number of levels = 1

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### USGS 321757104042101 23S.28E.15.433131

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°17'57", Longitude 104°04'21" NAD27 Land-surface elevation 3,000 feet above NAVD88 The depth of the well is 149 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

### **Output formats**

Table of data	
Tab-separated data	
Graph of data	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-07-27 12:44:54 EDT 0.6 0.48 nadww01




USGS Home Contact USGS Search USGS

## **National Water Information System: Web Interface**

**USGS Water Resources** 

Data Category: Groundwater Geographic Area: United States

GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

## Search Results -- 1 sites found

Agency code = usgs site\_no list = • 321806104043601

## Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 321806104043601 23S.28E.15.32333

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'06", Longitude 104°04'36" NAD27 Land-surface elevation 3,001 feet above NAVD88 The depth of the well is 145 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

## **Output formats**

 Table of data

 Tab-separated data

 Graph of data

 Reselect period



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-07-27 12:44:55 EDT 0.57 0.52 nadww01



## Appendix C Photographic Documentation





## Appendix D Laboratory Analytical

Received by OCD: 8/4/2022 8:32:53 AM

# 🛟 eurofins

## Environment Testing America

## **ANALYTICAL REPORT**

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

## Laboratory Job ID: 880-14332-1

Laboratory Sample Delivery Group: 15315 Client Project/Site: Markham #001

## For:

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

Attn: Brandon Wilson

KRAMER

Authorized for release by: 5/11/2022 3:27:58 PM

Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.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.

 Ask
 Think

 The Expert
 Res

 Visit us at:
 www.eurofinsus.com/Env

 Released to Imaging: 11/18/2022 10:01:35 AM

LINKS

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**Total** Access

**Have a Question?** 

SDG: 15315

Laboratory Job ID: 880-14332-1

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	Definitions/Glossary		
Client: Etech Er Project/Site: Ma		80-14332-1 SDG: 15315	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			5
Qualifier	Qualifier Description		
<u>U</u>	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
APLC/IC Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		8
Glossary			0
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		44
DL	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	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		
MCL	EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Radiochemistry)		
MDC	Minimum Detectable Concentration (Radiochemistry)		
MDL	Method Detection Limit		
ML	Minimum Level (Dioxin)		
MPN	Most Probable Number		

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

MQL

NC ND

NEG

POS

PQL

PRES QC

RER

RPD TEF

TEQ

TNTC

RL

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001 Job ID: 880-14332-1 SDG: 15315

#### Job ID: 880-14332-1

#### Laboratory: Eurofins Midland

#### Narrative

Job Narrative 880-14332-1

#### Receipt

The samples were received on 5/3/2022 11:39 AM. 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 5.7°C

#### GC VOA

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

#### GC Semi VOA

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 880-24814 and analytical batch 880-24887 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.

Page 46 of 64

4

## **Client Sample Results**

Job ID: 880-14332-1 SDG: 15315

## **Client Sample ID: Auger Hole 1**

Client: Etech Environmental & Safety Solutions

Date Collected: 05/02/22 13:00 Date Received: 05/03/22 11:39

Project/Site: Markham #001

Sample Depth: 0 - 6"

## Lab Sample ID: 880-14332-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00202	U	0.00202		mg/Kg		05/10/22 10:52	05/11/22 05:36	
Toluene	<0.00202	U	0.00202		mg/Kg		05/10/22 10:52	05/11/22 05:36	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/10/22 10:52	05/11/22 05:36	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/10/22 10:52	05/11/22 05:36	
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/10/22 10:52	05/11/22 05:36	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/10/22 10:52	05/11/22 05:36	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		70 - 130				05/10/22 10:52	05/11/22 05:36	
1,4-Difluorobenzene (Surr)	99		70 - 130				05/10/22 10:52	05/11/22 05:36	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/11/22 08:13	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			05/06/22 10:31	
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	<49.9	U	49.9		mg/Kg		05/04/22 14:31	05/05/22 16:06	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/04/22 14:31	05/05/22 16:06	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/04/22 14:31	05/05/22 16:06	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	90		70 - 130				05/04/22 14:31	05/05/22 16:06	
o-Terphenyl	91		70 - 130				05/04/22 14:31	05/05/22 16:06	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	16.9		5.04		mg/Kg			05/06/22 07:34	
lient Sample ID: Auger Hol	e 1						Lab Sam	ple ID: 880-1	4332-
ate Collected: 05/02/22 13:05								Matri	x: Soli
ate Received: 05/03/22 11:39									
ample Depth: 42 - 48"									
Method: 8021B - Volatile Organic	Compounds (	GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 08:39	
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 08:39	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 08:39	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/22 10:52	05/11/22 08:39	
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 08:39	

Xylenes, Total <0.00398 U 0.00398 05/10/22 10:52 05/11/22 08:39 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 4-Bromofluorobenzene (Surr) 107 70 - 130 05/10/22 10:52 05/11/22 08:39

Eurofins Midland

1

Limits

70 - 130

RL

RL

49.9

0.00398

MDL Unit

MDL Unit

mg/Kg

mg/Kg

Job ID: 880-14332-1 SDG: 15315

#### Client Sample ID: Auger Hole 1

Client: Etech Environmental & Safety Solutions

Date Collected: 05/02/22 13:05 Date Received: 05/03/22 11:39

Project/Site: Markham #001

Sample Depth: 42 - 48"

1,4-Difluorobenzene (Surr)

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Lab Sample	ID:	880-14332-2
		Matrixe Calid

Analyzed

05/11/22 08:39

Analyzed

05/11/22 08:13

Analyzed

05/06/22 10:31

Lab Sample ID: 880-14332-3

Matrix: Solid

Prepared

05/10/22 10:52

Prepared

Prepared

D

D

Matrix: Solid

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

Method: Total BTEX - Total BTEX Calculation

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

%Recovery Qualifier

Result Qualifier

U

Result Qualifier

<49.9 U

98

<0.00398

Method: 8015B	NM - Diesel	<b>Range Organics</b>	(DRO) (GC)
		itungo organioo	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		05/04/22 14:31	05/05/22 16:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/04/22 14:31	05/05/22 16:27	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/04/22 14:31	05/05/22 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/04/22 14:31	05/05/22 16:27	1
o-Terphenyl	103		70 _ 130				05/04/22 14:31	05/05/22 16:27	1

Method: 300.0 - Anions, Ion Chrom	atography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3	4.99	mg/Kg			05/06/22 07:53	1

#### **Client Sample ID: Auger Hole 2**

Date Collected: 05/02/22 13:10 Date Received: 05/03/22 11:39 Sample Depth: 0 - 6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/22 10:52	05/11/22 08:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/22 10:52	05/11/22 08:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/22 10:52	05/11/22 08:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/22 10:52	05/11/22 08:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/22 10:52	05/11/22 08:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/22 10:52	05/11/22 08:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				05/10/22 10:52	05/11/22 08:59	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/10/22 10:52	05/11/22 08:59	1
- Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/11/22 08:13	1
- Method: 8015 NM - Diesel Rang	e Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte									

Eurofins Midland

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## **Client Sample Results**

RL

49.9

49.9

49.9

RL

5.05

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

Prepared

05/04/22 14:31

05/04/22 14:31

05/04/22 14:31

Prepared

05/04/22 14:31

05/04/22 14:31

Prepared

Dil Fac

1

1

1

1

1

Dil Fac

Dil Fac

Matrix: Solid

Job ID: 880-14332-1 SDG: 15315

Date Collected: 05/02/22 13:10

Sample Depth: 0 - 6"

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

**Client Sample ID: Auger Hole 2** 

Date Collected: 05/02/22 13:15

Date Received: 05/03/22 11:39

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

Analyte

Chloride

(GRO)-C6-C10

Lab Sample ID: 880-14332-3 Matrix: Solid

Analyzed

05/05/22 17:10

05/05/22 17:10

05/05/22 17:10

Analyzed

05/05/22 17:10

05/05/22 17:10

Analyzed

05/06/22 07:59

Lab Sample ID: 880-14332-4

5

Method: 8021B - Volatile Organic	c Compounds (	GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 09:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 09:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 09:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/22 10:52	05/11/22 09:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/22 10:52	05/11/22 09:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/22 10:52	05/11/22 09:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/10/22 10:52	05/11/22 09:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/10/22 10:52	05/11/22 09:19	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte									
Total BTEX	<0.00398		0.00398		mg/Kg		·	05/11/22 08:13	1
Total BTEX	<0.00398	U			mg/Kg			05/11/22 08:13	1
Total BTEX Method: 8015 NM - Diesel Range	<0.00398	U			mg/Kg Unit	 D	Prepared	05/11/22 08:13 Analyzed	
•	<0.00398	U O) (GC) Qualifier	0.00398			D	Prepared		Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	<0.00398 Organics (DR Result <50.0	U O) (GC) Qualifier U	0.00398 RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	colored col	U O) (GC) Qualifier U	0.00398 RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	colored col	U O) (GC) Qualifier U RO) (GC) Qualifier	0.00398	MDL	Unit mg/Kg		<u>.</u>	Analyzed 05/06/22 10:31	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 Organics (DR) Result <50.0 ge Organics (D) Result	U Qualifier U RO) (GC) Qualifier U	0.00398	MDL	Unit mg/Kg Unit		Prepared	Analyzed 05/06/22 10:31 Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<ul> <li>&lt;0.00398</li> <li>Organics (DR</li> <li>Result</li> <li>&lt;50.0</li> <li>ge Organics (D)</li> <li>Result</li> <li>&lt;50.0</li> </ul>	U O) (GC) Qualifier U RO) (GC) Qualifier U U	0.00398 	MDL	Unit mg/Kg Unit mg/Kg		Prepared 05/04/22 14:31	Analyzed 05/06/22 10:31 Analyzed 05/05/22 17:31	Dil Fac 1 Dil Fac 1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	colored col	U O) (GC) Qualifier U RO) (GC) Qualifier U U	0.00398 <b>RL</b> 50.0 <b>RL</b> 50.0 50.0	MDL	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/04/22 14:31 05/04/22 14:31	Analyzed 05/06/22 10:31 Analyzed 05/05/22 17:31 05/05/22 17:31	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte	<ul> <li>&lt;0.00398</li> <li>Organics (DR</li> <li>Result</li> <li>&lt;50.0</li> <li>ge Organics (D)</li> <li>Result</li> <li>&lt;50.0</li> <li>&lt;50.0</li> <li>&lt;50.0</li> <li>&lt;50.0</li> </ul>	U O) (GC) Qualifier U RO) (GC) Qualifier U U	0.00398 RL 50.0 RL 50.0 50.0 50.0 50.0	MDL	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/04/22 14:31 05/04/22 14:31 05/04/22 14:31	Analyzed 05/06/22 10:31 Analyzed 05/05/22 17:31 05/05/22 17:31	1 Dil Fac 1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 <i>Dil Fac</i>

**Eurofins Midland** 

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001 **Client Sample ID: Auger Hole 2** 

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

Result Qualifier

114

115

20.5

Date Received: 05/03/22 11:39

<b>Released to Ima</b>	ging: 11/18	/2022 10:0	1:35 AM

		Client	Sample R	esults	;					
Client: Etech Environmental & Safe Project/Site: Markham #001	ty Solutions							Job ID: 880- SDO	14332-1 S: 15315	2
Client Sample ID: Auger Hol Date Collected: 05/02/22 13:15	e 2						Lab San	n <mark>ple ID: 880-1</mark> Matri	4332-4 ix: Solid	
Date Received: 05/03/22 11:39 Sample Depth: 42 - 48"										4
Method: 300.0 - Anions, Ion Chro Analyte		Soluble Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	3000		25.0		mg/Kg			05/06/22 08:06	5	
										8
										9
										13

Eurofins Midland

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001

#### 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 880-14332-1 Auger Hole 1 108 99 880-14332-2 Auger Hole 1 107 98 880-14332-3 Auger Hole 2 109 100 880-14332-4 Auger Hole 2 110 100 880-14580-A-4-B MS Matrix Spike 104 98 880-14580-A-4-C MSD Matrix Spike Duplicate 106 101 LCS 880-25266/1-A Lab Control Sample 99 99 LCSD 880-25266/2-A Lab Control Sample Dup 100 97 MB 880-25110/5-A Method Blank 101 95 MB 880-25266/5-A Method Blank 98 95 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	
Client Sample ID	(70-130)	(70-130)	
Auger Hole 1	90	91	
Auger Hole 1	102	103	
Auger Hole 2	114	115	
Auger Hole 2	96	100	
	Auger Hole 1 Auger Hole 1 Auger Hole 2	Client Sample ID(70-130)Auger Hole 190Auger Hole 1102Auger Hole 2114	Client Sample ID         (70-130)         (70-130)           Auger Hole 1         90         91           Auger Hole 1         102         103           Auger Hole 2         114         115

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Page 51 of 64

SDG: 15315

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Job ID: 880-14332-1

Prep Type: Total/NA

## **QC Sample Results**

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2511	10/5-A								Client Sa	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 25224										Prep Bate	h: 25110
	MB	MB									
Analyte	Result	Qualifier	RL		MDL	Unit	[	C	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200			mg/Kg		(	05/09/22 13:08	05/10/22 12:02	1
Toluene	<0.00200	U	0.00200	1		mg/Kg		(	05/09/22 13:08	05/10/22 12:02	1
Ethylbenzene	<0.00200	U	0.00200	1		mg/Kg		(	05/09/22 13:08	05/10/22 12:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400			mg/Kg		(	05/09/22 13:08	05/10/22 12:02	1
o-Xylene	<0.00200	U	0.00200	1		mg/Kg		(	05/09/22 13:08	05/10/22 12:02	1
Xylenes, Total	<0.00400	U	0.00400	1		mg/Kg		(	05/09/22 13:08	05/10/22 12:02	1
	МВ	МВ									
Surrogate	%Recovery	Qualifier	Limits						Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	-				(	05/09/22 13:08	05/10/22 12:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130					(	05/09/22 13:08	05/10/22 12:02	1
Lab Sample ID: MB 880-2520	66/5-A								Client Sa	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	
Analysis Batch: 25224										Prep Bate	
Analysis Datch. 23224	МВ	мв								Fiep Date	
Analyte	Result		RL		MDL	Unit	r	5	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		WDL	mg/Kg	<b>`</b>		)5/10/22 10:52	05/11/22 03:04	
Toluene			0.00200						05/10/22 10:52		1
	<0.00200					mg/Kg				05/11/22 03:04	1
Ethylbenzene	<0.00200		0.00200			mg/Kg			05/10/22 10:52	05/11/22 03:04	
m-Xylene & p-Xylene	< 0.00400		0.00400			mg/Kg			05/10/22 10:52	05/11/22 03:04	1
o-Xylene	< 0.00200		0.00200			mg/Kg			05/10/22 10:52	05/11/22 03:04	1
Xylenes, Total	<0.00400	U	0.00400			mg/Kg		(	05/10/22 10:52	05/11/22 03:04	1
<b>a</b>	MB		,						- <i>,</i>		
Surrogate	%Recovery		Limits					_	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98 95		70 <sub>-</sub> 130 70 <sub>-</sub> 130						05/10/22 10:52 05/10/22 10:52	05/11/22 03:04 05/11/22 03:04	1
1,4-Difluorobenzene (Surr)	30		70 - 750					,	5,10,22 10.52	00/11/22 00.04	
Lab Sample ID: LCS 880-252	266/1-A							Cli	ent Sample	ID: Lab Contro	
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 25224										Prep Bato	h: 25266
			Spike	LCS	LCS	;				%Rec	
Analyte			Added	Result	Qua	lifier U	nit		D %Rec	Limits	
Benzene			0.100	0.08603		m	ng/Kg		86	70 - 130	
Toluene			0.100	0.08465		m	ng/Kg		85	70 - 130	
Ethylbenzene			0.100	0.08620		m	ng/Kg		86	70 - 130	
m-Xylene & p-Xylene			0.200	0.1796		m	ng/Kg		90	70 _ 130	
o-Xylene			0.100	0.09780		rr	ng/Kg		98	70 - 130	
	LCS LCS	;									
Surrogate	%Recovery Qua	lifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								
Lab Sample ID: LCSD 880-2	5266/2-A						Clie	nt S	ample ID: L	ab Control Sar	nple Dur
Matrix: Solid							2110			Prep Type:	
Analysis Batch: 25224										Prep Bate	
Anarysis Datell. 20224			Spike	LCSD	LCS	D				%Rec	RPC
Analyte			Added	Result			nit		D %Rec	Limits RF	
, mary to				ivesuit	aud				D %Rec		

0.07230

mg/Kg

72

70 - 130

0.100

Eurofins Midland

17

Job ID: 880-14332-1 SDG: 15315

5

7

35

Benzene

## **QC Sample Results**

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001 Job ID: 880-14332-1 SDG: 15315

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

	5266/2-A					Clie	nt San	ple ID:	Lab Contro		
Matrix: Solid										Type: Tot	
Analysis Batch: 25224										Batch:	
			Spike		LCSD				%Rec		RPI
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.07434		mg/Kg		74	70 - 130	13	3
Ethylbenzene			0.100	0.07575		mg/Kg		76	70 - 130	13	3
m-Xylene & p-Xylene			0.200	0.1592		mg/Kg		80	70 - 130	12	3
o-Xylene			0.100	0.08755		mg/Kg		88	70 - 130	11	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 _ 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								
Lab Sample ID: 880-14580-A								Client	Sample ID	Motrix	Snik
Matrix: Solid	-4-D WI3							Client	Sample ID Prep 1	. Matrix Type: Tot	
Analysis Batch: 25224										Batch:	
Analysis Datch. 20224	Sample	Sample	Spike	MS	MS				%Rec	Daten.	2320
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201		0.0998	0.07959		mg/Kg		80	70 - 130		
Toluene	< 0.00201		0.0998	0.07831		mg/Kg		78	70 - 130		
Ethylbenzene	< 0.00201		0.0998	0.08032		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	< 0.00402		0.200	0.1674		mg/Kg		84	70 - 130		
	<0.00201	U	0.0998	0.09136		ma/Ka		92	70 - 130		
o-Xylene	<0.00201		0.0998	0.09136		mg/Kg		92	70 - 130		
o-Xylene	MS	MS		0.09136		mg/Kg		92	70 - 130		
o-Xylene Surrogate	MS %Recovery	MS	Limits	0.09136		mg/Kg		92	70 - 130		
o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	MS <u>%Recovery</u> 104	MS	Limits 70 - 130	0.09136		mg/Kg		92	70 - 130		
o-Xylene Surrogate	MS %Recovery	MS	Limits	0.09136		mg/Kg		92	70 - 130		
o-Xylene <b>Surrogate</b> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	MS 	MS	Limits 70 - 130	0.09136			ient S			bike Dup	licat
o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	MS 	MS	Limits 70 - 130	0.09136			ient Sa		): Matrix Sp	bike Dup Type: Tot	
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A	MS 	MS	Limits 70 - 130	0.09136			ient S		): Matrix Sp Prep 1	Type: Tot	tal/N/
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid	MS <u>%Recovery</u> 104 98 A-4-C MSD	MS	Limits 70 - 130	0.09136 MSD	MSD		ient S		): Matrix Sp Prep 1		tal/N/ 2526
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid	MS <u>%Recovery</u> 104 98 A-4-C MSD Sample	MS Qualifier	Limits 70 - 130 70 - 130	MSD	MSD Qualifier		ient Si		): Matrix Sp Prep 1 Prep	Type: Tot	tal/N/ 2526 RP
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224	MS %Recovery 104 98 A-4-C MSD Sample Result	MS Qualifier Sample	Limits 70 - 130 70 - 130 Spike	MSD		сі		ample IC	D: Matrix Sp Prep 1 Prep %Rec	Type: Tot Batch:	tal/N/ 2526 RPI Lim
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte	MS %Recovery 104 98 A-4-C MSD Sample Result	MS Qualifier Sample Qualifier U	Limits 70 - 130 70 - 130 Spike Added	MSD Result		CI		%Rec	D: Matrix Sp Prep 1 Prep %Rec Limits	Batch:	tal/N/ 2526 RPI Lim 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene	MS <u>%Recovery</u> 104 98 A-4-C MSD Sample <u>Result</u> <0.00201	MS Qualifier Sample Qualifier U U	Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100	MSD Result 0.08680		Cl - Unit mg/Kg		%Rec 87	D: Matrix Sp Prep 1 Prep %Rec Limits 70 - 130	Type: Tot       Batch:       RPD       9	tal/N/ 2526 RP Lim 3 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201	MS Qualifier Sample Qualifier U U U	Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100	MSD Result 0.08680 0.08529		Cl Unit mg/Kg mg/Kg		mple IC %Rec 87 85	D: Matrix Sp Prep 1 Prep %Rec Limits 70 - 130 70 - 130	Type: TotBatch:RPD99	tal/N/ 2526 RPI Lim 3 3 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201	MS Qualifier Sample Qualifier U U U U	Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100	MSD Result 0.08680 0.08529 0.08679		CI <u>Unit</u> mg/Kg mg/Kg		<b>%Rec</b> 87 85 87	D: Matrix Sp Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130	RPD       9       8	tal/N/
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00201	MS Qualifier Sample Qualifier U U U U	Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200	MSD Result 0.08680 0.08529 0.08679 0.1811		CI mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 85 87 90	D: Matrix Sp Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: Tot Batch: 2 RPD 9 9 8 8	tal/N/ 2526 RPI Lim 3 3 3 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00201	MS Qualifier Sample Qualifier U U U U U U U U MSD	Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200	MSD Result 0.08680 0.08529 0.08679 0.1811		CI mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 85 87 90	D: Matrix Sp Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: Tot Batch: 2 RPD 9 9 8 8	tal/N/ 25260 RPI Limi 33 33 33 33
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 MSD	MS Qualifier Sample Qualifier U U U U U U U U MSD	Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200 0.100	MSD Result 0.08680 0.08529 0.08679 0.1811		CI mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 85 87 90	D: Matrix Sp Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: Tot Batch: 2 RPD 9 9 8 8	tal/N/ 2526 RPI Lim 3 3 3 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 %Recovery	MS Qualifier Sample Qualifier U U U U U U U U MSD	Limits 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 Limits	MSD Result 0.08680 0.08529 0.08679 0.1811		CI mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 85 87 90	D: Matrix Sp Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: Tot Batch: 2 RPD 9 9 8 8	tal/N/ 2526 RPI Lim 3 3 3 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.0020000000000000000000000000	MS Qualifier Sample Qualifier U U U U U U U U U U U U U U U U U U Qualifier	Limits 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.100 0.200 0.100	MSD Result 0.08680 0.08529 0.08679 0.1811		CI mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 85 87 90	D: Matrix Sp Prep 7 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	Type: Tot Batch: 2 RPD 9 9 8 8	tal/N 2526 RP Lim 3 3 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) lethod: 300.0 - Anions,	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.002000000000000000000000000000000000	MS Qualifier Sample Qualifier U U U U U U U U U U U U U U U U U U Qualifier	Limits 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.100 0.200 0.100	MSD Result 0.08680 0.08529 0.08679 0.1811		CI mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 85 87 90 98	D: Matrix Sp Prep 1 %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	RPD         9         9         8         7	tal/N/ 25266 RPI 3 3 3 3 3 3 3 3 3
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-14580-A Matrix: Solid Analysis Batch: 25224 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	MS %Recovery 104 98 A-4-C MSD Sample Result <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.00201 <0.002000000000000000000000000000000000	MS Qualifier Sample Qualifier U U U U U U U U U U U U U U U U U U Qualifier	Limits 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.100 0.200 0.100	MSD Result 0.08680 0.08529 0.08679 0.1811		CI mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 85 87 90 98	D: Matrix Sp Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	RPD         9         9         8         7	tal/NJ 2526 RP Lim 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/06/22 06:37	1

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5 2 - 3 - 3 - 3 - 3 - 4 - 5 - 5 - 5 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14

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Client: Etech Environmental & Safety Solutions Project/Site: Markham #001

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-24814 Matrix: Solid Analysis Batch: 24887	¥/2-A						Client	Sample	e ID: Lab C Prep	ontrol Sa Type: So	
Analysis Batch. 24007			Spike	LCS	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	266.7		mg/Kg		107	90 - 110		
Lab Sample ID: LCSD 880-248	14/3-A					Clier	nt Sam	ple ID: I	Lab Contro	ol Sampl	e Dup
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 24887											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	273.0		mg/Kg		109	90 - 110	2	20
Lab Sample ID: 880-14331-A-1 Matrix: Solid Analysis Batch: 24887	-C MS							Client	Sample ID Prep	): Matrix Type: So	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	•	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	11.1	F1	250	305.4	F1	mg/Kg		118	90 - 110		
Lab Sample ID: 880-14331-A-1	-D MSD					Cli	ient Sa	ample IC	): Matrix S	pike Dup	licate
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 24887											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	11.1	F1	250	281.0		mg/Kg		108	90 - 110	8	20

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## **QC** Association Summary

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001

Job ID: 880-14332-1

SDG: 15315

#### **GC VOA**

#### Prep Batch: 25110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-25110/5-A	Method Blank	Total/NA	Solid	5035	
Analysis Batch: 25224					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-14332-1	Auger Hole 1	Total/NA	Solid	8021B	25266
880-14332-2	Auger Hole 1	Total/NA	Solid	8021B	25266
880-14332-3	Auger Hole 2	Total/NA	Solid	8021B	25266
880-14332-4	Auger Hole 2	Total/NA	Solid	8021B	25266
MB 880-25110/5-A	Method Blank	Total/NA	Solid	8021B	25110
MB 880-25266/5-A	Method Blank	Total/NA	Solid	8021B	25266
LCS 880-25266/1-A	Lab Control Sample	Total/NA	Solid	8021B	25266
LCSD 880-25266/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25266
880-14580-A-4-B MS	Matrix Spike	Total/NA	Solid	8021B	25266
880-14580-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25266
Prep Batch: 25266					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14332-1	Auger Hole 1	Total/NA	Solid	5035	
880-14332-2	Auger Hole 1	Total/NA	Solid	5035	
880-14332-3	Auger Hole 2	Total/NA	Solid	5035	
880-14332-4	Auger Hole 2	Total/NA	Solid	5035	

#### Prep Batch: 25266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14332-1	Auger Hole 1	Total/NA	Solid	5035	
880-14332-2	Auger Hole 1	Total/NA	Solid	5035	
880-14332-3	Auger Hole 2	Total/NA	Solid	5035	
880-14332-4	Auger Hole 2	Total/NA	Solid	5035	
MB 880-25266/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25266/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25266/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14580-A-4-B MS	Matrix Spike	Total/NA	Solid	5035	
880-14580-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

#### Analysis Batch: 25301

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-14332-1	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-14332-2	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-14332-3	Auger Hole 2	Total/NA	Solid	Total BTEX	
880-14332-4	Auger Hole 2	Total/NA	Solid	Total BTEX	

### GC Semi VOA

#### Prep Batch: 24832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14332-1	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-14332-2	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-14332-3	Auger Hole 2	Total/NA	Solid	8015NM Prep	
880-14332-4	Auger Hole 2	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 24856

	ab Sample ID 80-14332-1	Client Sample ID Auger Hole 1	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 24832
	80-14332-2	Auger Hole 1	Total/NA	Solid	8015B NM	24832
8	80-14332-3	Auger Hole 2	Total/NA	Solid	8015B NM	24832
88	80-14332-4	Auger Hole 2	Total/NA	Solid	8015B NM	24832

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## **QC Association Summary**

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001

GC Semi VOA

#### Analysis Batch: 24956

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-14332-1	Auger Hole 1	Total/NA	Solid	8015 NM	
880-14332-2	Auger Hole 1	Total/NA	Solid	8015 NM	
880-14332-3	Auger Hole 2	Total/NA	Solid	8015 NM	
880-14332-4	Auger Hole 2	Total/NA	Solid	8015 NM	

#### HPLC/IC

#### Leach Batch: 24814

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
80-14332-1	Auger Hole 1	Soluble	Solid	DI Leach	
80-14332-2	Auger Hole 1	Soluble	Solid	DI Leach	
80-14332-3	Auger Hole 2	Soluble	Solid	DI Leach	
80-14332-4	Auger Hole 2	Soluble	Solid	DI Leach	
B 880-24814/1-A	Method Blank	Soluble	Solid	DI Leach	
CS 880-24814/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
CSD 880-24814/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
30-14331-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
80-14331-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
nalysis Batch: 24887					
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bate
ab Sample ID 30-14332-1	Auger Hole 1	Soluble	Solid	300.0	248^
ab Sample ID 80-14332-1 80-14332-2	Auger Hole 1 Auger Hole 1	Soluble	Solid Solid	300.0 300.0	2481 2481
ab Sample ID 30-14332-1 30-14332-2	Auger Hole 1	Soluble	Solid	300.0	2481 2481
ab Sample ID 30-14332-1 30-14332-2 30-14332-3	Auger Hole 1 Auger Hole 1	Soluble	Solid Solid	300.0 300.0	2481 2481 2481 2481
ab Sample ID 80-14332-1 80-14332-2 80-14332-3 80-14332-4	Auger Hole 1 Auger Hole 1 Auger Hole 2	Soluble Soluble Soluble	Solid Solid Solid	300.0 300.0 300.0	248° 248° 248° 248° 248°
ab Sample ID 30-14332-1 30-14332-2 30-14332-3 30-14332-4 B 880-24814/1-A	Auger Hole 1 Auger Hole 1 Auger Hole 2 Auger Hole 2	Soluble Soluble Soluble Soluble	Solid Solid Solid Solid	300.0 300.0 300.0 300.0	Prep Batc 2481 2481 2481 2481 2481 2481 2481
ab Sample ID 30-14332-1 30-14332-2 30-14332-3 30-14332-4 B 880-24814/1-A CS 880-24814/2-A	Auger Hole 1 Auger Hole 1 Auger Hole 2 Auger Hole 2 Method Blank	Soluble Soluble Soluble Soluble Soluble	Solid Solid Solid Solid Solid	300.0 300.0 300.0 300.0 300.0 300.0	2481 2481 2481 2481 2481 2481 2481
alysis Batch: 24887 ab Sample ID 80-14332-1 80-14332-2 80-14332-3 80-14332-4 IB 880-24814/1-A CS 880-24814/2-A CSD 880-24814/3-A 80-14331-A-1-C MS	Auger Hole 1 Auger Hole 1 Auger Hole 2 Auger Hole 2 Method Blank Lab Control Sample	Soluble Soluble Soluble Soluble Soluble Soluble	Solid Solid Solid Solid Solid Solid	300.0 300.0 300.0 300.0 300.0 300.0 300.0	248 248 248 248 248 248 248 248

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Initial

Amount

4.96 g

5 mL

10.02 g

4.96 g

Final

Amount

5 mL

5 mL

10 mL

50 mL

Batch

25266

25224

25301

24956

24832

24856

24814

24887

Number

Dil

1

1

1

1

1

Factor

Run

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Job ID: 880-14332-1 SDG: 15315

Lab

XEN MID

Matrix: Solid

Matrix: Solid

## Lab Sample ID: 880-14332-1 Matrix: Solid

Analyst

MR

MR

AJ

AJ

DM

AJ

SC

СН

Lab Sample ID: 880-14332-2

Lab Sample ID: 880-14332-3

Lab Sample ID: 880-14332-4

Prepared

or Analyzed

05/10/22 10:52

05/11/22 05:36

05/11/22 08:13

05/06/22 10:31

05/04/22 14:31

05/05/22 16:06

05/04/22 12:07

05/06/22 07:34

5 9

## **Client Sample ID: Auger Hole 1**

Date Collected: 05/02/22 13:05

Date	Received:	05/03/22	11:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	25266	05/10/22 10:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/11/22 08:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25301	05/11/22 08:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24956	05/06/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24832	05/04/22 14:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24856	05/05/22 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24814	05/04/22 12:07	SC	XEN MID
Soluble	Analysis	300.0		1			24887	05/06/22 07:53	СН	XEN MID

### **Client Sample ID: Auger Hole 2** Date Collected: 05/02/22 13:10

#### Date Received: 05/03/22 11:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25266	05/10/22 10:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/11/22 08:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25301	05/11/22 08:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24956	05/06/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24832	05/04/22 14:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24856	05/05/22 17:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	24814	05/04/22 12:07	SC	XEN MID
Soluble	Analysis	300.0		1			24887	05/06/22 07:59	СН	XEN MID

#### **Client Sample ID: Auger Hole 2** Date Collected: 05/02/22 13:15 Date Received: 05/03/22 11:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25266	05/10/22 10:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/11/22 09:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25301	05/11/22 08:13	AJ	XEN MID

**Eurofins Midland** 

Matrix: Solid

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Matrix: Solid

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Job ID: 880-14332-1 SDG: 15315

Lab Sample ID: 880-14332-4

## Client Sample ID: Auger Hole 2 Date Collected: 05/02/22 13:15 Date Received: 05/03/22 11:39

	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			24956	05/06/22 10:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24832	05/04/22 14:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24856	05/05/22 17:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24814	05/04/22 12:07	SC	XEN MID
Soluble	Analysis	300.0		5			24887	05/06/22 08:06	СН	XEN MID

#### Laboratory References:

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

Eurofins Midland

Released to Imaging: 11/18/2022 10:01:35 AM

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			· · · · · · · · · · · · · · · · · · ·		
Client: Etech Environme Project/Site: Markham #		ions		Job ID: 880- SDG	14332-1 : 15315 2
Laboratory: Eurofir	ns Midland				
Unless otherwise noted, all an	alytes for this laboratory	y were covered under each aco	creditation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-21-22	06-30-22	5
The following analytes a the agency does not offe		t, but the laboratory is not certi	ified by the governing authority. This list ma	y include analytes for which	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					6

## **Method Summary**

#### Client: Etech Environmental & Safety Solutions Project/Site: Markham #001

Job ID: 880-14332-1 SDG: 15315

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	l
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 Refe	rences:			8
ASTM = A	STM International			
MCAWW =	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Mar	ch 1983 And Subsequent Revisions.		
SW846 = '	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi	ition, November 1986 And Its Updates.		
TAL SOP :	= TestAmerica Laboratories, Standard Operating Procedure			

#### Protocol References:

#### Laboratory References:

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

Client: Etech Environmental & Safety Solutions Project/Site: Markham #001 Job ID: 880-14332-1 SDG: 15315

_ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
380-14332-1	Auger Hole 1	Solid	05/02/22 13:00	05/03/22 11:39	
380-14332-2	Auger Hole 1	Solid	05/02/22 13:05	05/03/22 11:39	42 - 48"
380-14332-3	Auger Hole 2	Solid	05/02/22 13:10	05/03/22 11:39	0 - 6"
380-14332-4	Auger Hole 2	Solid	05/02/22 13:15	05/03/22 11:39	42 - 48"



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Received by OCD: 8/4/2022 8:32:53 AM

## **Chain of Custody**

Work Order No: 14332

5/11/2022

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334

13

Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock,TX (806)794-1296

<b></b>			10005	NIN (575-58	92-7550) Phoenix,		0-355-0	900) A	tianta G	A (770	-449-88	300) Ta	mpa,FL	(813-	620-20	000)		www	xenco	<u>com</u>	Page	of	
Project Manager	Brandon Wilso				Bill to (if differe	ent)															ommen	the second se	
Company Name	Etech Environr				Company Na	me.									Prog	ram: L	JST/PS	бт□р	RP 🗆	Brown	fields 🗔	RC Superfund	1
Address.	13000 WC				Address.										S	tate of	Proje	ct:					
City, State ZIP.	Odessa T.		765		City, State ZI	Ρ,									Repo	orting L	evel II	۵Le	/el III	DPST/	изт 🗗		
Phone:	477-563	-++00		Ema	ail: brandon@e	teche	nv con	<u>n</u>							Deliv	rable	s EDI	) 🗆		ADaP1		Other <sup>.</sup>	
Project Name.	Markham	# 00 l	1		Turn Around						AN	ALYS	SIS RE	QUE	ST						W	ork Order Notes	
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P O. Number:				Ru	ish																		
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SAMPLE RECE	EIPT Ter	np Blank.	Yes No	Wet lo	ce: (res) No		12	10	300														
Temperature (°C)	5.9/9	<u>s.7</u>		Thermome		Containers	5	108	ິ														
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Sample Custody Sea	als: Yes N	<u>• (\/A)</u>	Tota	I Container	rs:		TPH (8015M	TEX	hloride													if received by 4 30pn	n ƙ
Sample Ider	ntification	Matrix	Date Sampled	Time Sampled	d Depth	Number	F	07	Ch C												Sai	mple Comments	
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of Xenco A minimum ch						e subm	tted to X	lenco, b	ut not a	nalyzed	These	terms w	ill be enf	orced	unless	previou	sly neg	otiated					
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Revised Date 051418 Rev 2018.1

Job Number: 880-14332-1 SDG Number: 15315

List Source: Eurofins Midland

## Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Login Number: 14332 List Number: 1 Creator: Rodriguez, Leticia

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	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
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	
Sample containers have legible labels.	True	
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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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

CONDITIONS

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	131409
	Action Type:
	[C-141] Release Corrective Action (C-141)
	-

Created By	Condition	Condition Date
jharimon	• As this release is not fully horizontally and vertically delineated any remediation efforts will be at-risk. All remediation efforts will be assessed by the OCD at the time of the incident closure submittal. • All areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg. • All (floor/sidewall) closure samples on pad will need to meet closure criteria standards for depth to water of <50' in Table 1 of the Spill Rule. • Please collect more confirmation samples, representing no more than 200 square feet. • Please continue to horizontally delineate sample points to 600 mg/kg for chlorides and TPH to 100 mg/kg on the outer edges/periphery and include sample points in your next report after closure criteria limits have been met.	11/18/2022

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Action 131409