Received by OCD: 11/29/2023 9:21:18 AM Form C-141 State of New Mexico

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Oil Conservation Division

	Page.	1	of	1	9	9
21222	0008					

Incident ID	nAPP2212329098
District RP	
Facility ID	
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)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Amy Barnhill Title: Lead Environmental Specialist Date: 11-29-23 Signature: (email: abarnhill@chevron.com Telephone: <u>432-687-7108</u> **OCD Only** Received by: Shelly Wells Date: 11/29/2023 Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Scott Rodgers Date: 02/02/2024

-



DEFERRAL REQUEST REPORT

South Culebra Bluff 5 Battery Eddy County, New Mexico Incident Number nAPP2212329098

> Prepared For: Chevron USA, Inc. 6301 Deauville Blvd Midland, TX 79706

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc. (Chevron), presents the following Deferral Request Report (DRR) detailing delineation soil sampling activities, corrective actions, and subsequent soil sampling events in accordance with an approved Remediation Work Plan (RWP) performed for an inadvertent release of crude oil and produced water at the South Culebra Bluff 5 Battery (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Chevron is requesting to defer residual impacted soil beneath active production equipment until the Site undergoes major reconstruction or plugging and abandonment, whichever comes first.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit L, Section 13, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.30350584°, -104.04623106°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1** in **Appendix A**).

On May 1, 2022, it was discovered that corrosion of a flowline resulted in the release of approximately 9.064 barrels (bbls) of crude oil and 1.006 bbls of produced water onto the production well pad surface; no fluids were recovered. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 on May 3, 2022, and was subsequently assigned Incident Number nAPP2212329098. **Figure 2** in **Appendix A** depicts the observed subject release footprint, hereafter referred to as the Area of Concern (AOC). It should be noted that the original Form C-141 for Incident Number nAPP2212329098 did not denote that the concentration of dissolved chloride in the produced water was greater than 10,000 milligrams per Liter (mg/L) but is updated as such on the Final Form C-141.

On May 26, 2022, Etech conducted a site assessment to confirm the location of the AOC and based on details provided on the Form C-141 and visual observation. A RWP was prepared by Etech which proposed delineation and subsequent excavation activities to address residual impacts in accordance with the Site Closure Criteria. The RWP was approved by the NMOCD on November 7, 2022.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As previously described in the approved RWP, the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Deferral Request Report Incident Number nAPP2212329098 South Culebra Bluff 5 Battery Based on the results from the desktop review and estimated regional depth to groundwater detailed in the RWP for the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xvlenes (BTEX)	EPA 8021B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

The results of the approved Site characterization are reported on the Final Form C-141. Referenced well records are provided as **Appendix B**. Receptor details and sources used for the site characterization are included in **Figure 1** in **Appendix A**.

DELINEATION SOIL SAMPLING ACTIVITIES

On December 15, 2022, and June 5, 2023, Etech personnel advanced eleven auger holes to characterize residual impacted soil within and around the AOC. Delineation activities were driven by field screening soil for chloride using Hach[®] chloride QuanTab[®] test strips. Up to four soil samples were collected from each delineation soil sampling location. Field screening results are included on soil sampling form shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

The delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Permian Basin Environmental Lab, LP (PBELAB) in Midland, Texas, for analysis of TPH and Chloride.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples collected around the AOC indicated the analyzed COCs were below the Site Closure Criteria.

Laboratory analytical results for delineation soil samples collected within the AOC indicated TPH and/or chloride exceeded the Site Closure Criteria at depths ranging from 0.5 feet to 2 feet below ground surface (bgs). Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

EXCAVATION SOIL SAMPLING ACTIVITIES

On May 9, 2023, Etech directed excavation activities via mechanical equipment by referencing laboratory analytical results and field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride, as described above. Following the removal of impacted soil, Etech collected 5-point composite floor soil samples and sidewall soil samples at a sampling frequency of 200 square feet from the excavation. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The soil samples were then handled and analyzed for BTEX, TPH and chloride as previously described.

Deferral Request Report Incident Number nAPP2212329098 South Culebra Bluff 5 Battery Due to laboratory equipment failure, on June 5, 2023, Etech returned to Site to recollect the confirmation excavation soil samples from the floor and sidewalls of the excavation. The soil samples were collected, handled and analyzed for BTEX as previously described. The locations of the confirmation excavation soil samples are shown in **Figure 3** in **Appendix A**.

Upon completion of remediation activities, impacted soil was removed from the Site and transported to a licensed and approved New Mexico landfill under Chevron approved manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. Photographic documentation of excavation and restoration activities is included in **Appendix D**.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples indicated all analyzed COCs were below the applicable Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

It should be noted that on May 19, 2023, while analyzing the confirmation excavation soil samples, the laboratory "Autosampler" equipment responsible for analyzing BTEX exhibited "catastrophic failure" and was not repaired until May 24, 2023. The soil samples were "re-prepped from frozen samples and analyzed" on May 25, 2023, which was outside of the soil sample hold-time for Benzene and/or BTEX. Record of the catastrophic system failure is documented under lab order number 3E16008 (affecting confirmation excavation soil samples collected May 9, 2023) and provided in the laboratory analytical reports in **Appendix F**. As a result, the confirmation excavation soil samples were recollected on June 5, 2023, and analyzed for BTEX to produce valid laboratory analytical results.

DEFERRAL REQUEST

Based on the laboratory analytical results, Chevron believes residual impacts associated with the inadvertent release have been sufficiently vertically and horizontally delineated. Residual impacts appear to solely reside below active production equipment within the earthen berm containment, based on soil samples collected from the excavation floor and sidewalls surrounding the active production equipment (**Figure 4** in **Appendix A**). Areas associated with sampling locations Auger Hole 1 Deferral and Auger Hole 2 Deferral, unable to be safely excavated to protect the structural integrity of active production equipment, characterize soil to be left in place by concentrations of chloride between 743 mg/kg and 5,130 mg/kg within the top 3.5 feet bgs. Chevron believes the completed remedial actions have mitigated impacts at the Site and the requirements set forth in NMAC regulations in order to be protective of human health, the environment and groundwater. As such, Chevron respectfully requests approval of this DRR detailing the deferral of approximately 6.5 cubic yards of impacted soil associated with Incident Number nAPP2212329098 until the Site undergoes major facility deconstruction or plugging and abandonment, whichever comes first.

If you have any questions or comments, please do not hesitate to contact Blake Estep at (432) 894-6038 or <u>blake@etechenv.com</u>. Previous remediation activities and soil sample analytical results for the subject release can be referenced in the approved RWP in **Appendix G**.

Sincerely, Etech Environmental and Safety Solutions, Inc.

Blake Estep

Deferral Request Report Incident Number nAPP2212329098 South Culebra Bluff 5 Battery cc: Amy Barnhill, Chevron New Mexico Oil Conservation Division Bureau of Land Management

Appendices:

- Appendix A:Figure 1: Site MapFigure 2: Delineation Soil Sample LocationsFigure 3: Excavation Soil Sample LocationsFigure 4: Deferral Area
- Appendix B: Referenced Well Records
- Appendix C: Soil Sampling Form
- Appendix D: Photographic Log
- Appendix E: Tables
- Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix G: Approved Remediation Work Plan

.

APPENDIX A

Figures

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213











APPENDIX B

Referenced Well Records

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



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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 water right file.)	(R=POD been repl O=orpha C=the file closed)	has aced, ned, e is		((qua	arte	rs are rs are	I=NV smalle	/ 2=NE est to lar	3 SW 4 Si gest) (N	E) VAD83 UTM in m	eters)	(In i	feet)	
POD Number	Code	POD Sub-	County	Q 64	Q	Q	Sec	Twe	Due	x	v	DistanceDer	th Wall Dan	W thWater Co	ater
<u>C 01217</u>	Couc	CUB	ED	4	1	3	13	23S	28E	589789	3574371	105	87	50	37
C_04490 POD2		CUB	ED	2	3	3	13	23S	28E	589899	3574259	242	23	19	4
<u>C 01214</u>		CUB	ED	1	2	3	13	23S	28E	590010	3574597• 🕥	248	70	20	50
<u>C 01967</u>		С	ED		2	3	13	23S	28E	590111	3574498• 🕥	319	264	200	64
<u>C 01215</u>		CUB	ED	4	2	3	13	23S	28E	590210	3574397* 🚫	425	104	15	89
<u>C 01216</u>		CUB	ED	4	1	1	13	235	28E	589801	3575205* 🕥	727	60	45	15
C 04584 POD2		CUB	ED	4	2	1	13	23S	28E	590250	3575123 🕥	792	34	19	15
											Averag	e Depth to Wate	ir:	52 feet	t
												Minimum Dej	oth	15 feet	ł
												Maximum Dep	th	200 feet	ł
Record Count: 7															
UTMNAD83 Radius	<u>s Search (in</u>	meters):												
Easting (X): 589	792 35		North	ing	(Y):	3574	477.27	,		Radius: 804.67				
*UTM location was derived	from PLSS -	see Help	•												
The data is furnished by the Maccuracy, completeness, reliab	MOSE/ISC : ility, usability	and is acc , or suita	cepted by th bility for any	е ге у ра	cipi rtici	ent ular	with t purpo	he expr se of th	essed un e data	derstanding t	hat the OSE/ISC ma	ke no warranties,	expressed or in	plied, concerni	ing the

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WATER COLUMN/ AVERAGE DEPTH TO WATER Page 14 of 199



New Mexico Office of the State Engineer Point of Diversion Summary

			(quart (quar	ers are ters ar	e I=N	W 2-1 allest t	NE 3-S' lo larges	W 4-SE) t)	(NAD83 L	(NAD83 UTM in meters)		
Well Tag	POD	Number	Q64	Q16	Q 4	Sec	Tws	Rng	X	Y		
	C 01	214	1	2	3	13	23S	28E	590010	3574597* 💿		
Driller Licen	se:	359	Driller	Con	npa	ny:	BR	ADY, W	.H. DRILL	ING CO.		
Driller Name	e:	W.H. BRADY										
Drill Start D	ate:	08/01/1964	Drill F	inish	Da	te:	0	8/02/196	4 P I	ug Date:		
Log File Date	e:	11/02/1964	PCW	Rcv I	Date	:			Sc	ource:	Shallow	
Pump Type:			Pipe D	ischa	arge	Size	:		E	stimated Yield:		
Casing Size:			Depth	Well	:		70	0 feet	D	epth Water:	20 feet	
```	Water	Bearing Stratific	ations:		To	рB	ottom	Descr	iption			
					3	2	35	Sandst	one/Grave	l/Conglomerate		
					3	8	39	Sandst	one/Grave	l/Conglomerate		

#### *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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# New Mexico Office of the State Engineer Point of Diversion Summary

			(quarte (quar	ers are ters ai	e l=N	W 2=1 allest t	NE 3=S' o larges	W 4=SE) t)	(NAD83 U		
Well Tag	POD	Number	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y	
	C 0	1215	4	2	3	13	23S	28E	590210	3574397*	9
Driller Lice	ense:	359	Driller	Con	npa	ny:	BR	ADY, W	H. DRILL	ING CO.	
Driller Nan	ne:	W.H. BRADY									
Drill Start	Date:	08/03/1964	Drill F	'inish	ı Da	te:	0	8/04/196	4 <b>Pi</b>	ug Date:	
Log File Da	ite:	09/15/1964	PCW I	Rcv I	Date	:			So	urce:	Shallow
Ритр Туре	:		Pipe D	isch	arge	Size	:		Es	timated Yiel	d:
Casing Size	:		Depth	Well	:		10	04 feet	De	pth Water:	15 feet
	Wate	r Bearing Stratific	ations:		To	p B	ottom	Descri	ption		<u></u>
					1	9	20	Sandst	one/Gravel	/Conglomera	te
					2	25	31	Sandst	one/Gravel	/Conglomera	te

#### *UTM location was derived from PLSS - see Help

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# New Mexico Office of the State Engineer Point of Diversion Summary

		(quart) (quai	ers are lers are	1=N e sma	W 2=1 allest t	NE 3=S to large:	W 4-SE) t)	(NAD83 L	(NAD83 UTM in meters)				
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y				
	C 01216	4	1	1	13	23S	<b>28</b> E	589801	3575205*	9			
Driller Lice Driller Nan	nse: 359 ne: W.H. BRADY	Driller	Com	ipai	ny:	BR	ADY, V	V.H. DRILL	ING CO.				
Drill Start I	Date: 08/05/1964	Drill F	ìinish	Da	te:	0	8/06/19	64 <b>P</b> I	ug Date:				
Log File Da	ite: 09/15/1964	PCW ]	Rcv D	)ate	:			Sc	urce:	Shallow			
Ритр Туре	:	Pipe D	ischa	rge	Size	:		Es	timated Yield	d:			
Casing Size	:	Depth	Well:	:		6	) feet	D	epth Water:	45 feet			
	Water Bearing Stratific:	ations:		To 4	р В 2	ottom 46	Desci Sands	ription stone/Grave	l/Conglomerat	e			

*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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# New Mexico Office of the State Engineer Point of Diversion Summary

				(q) (4	uarters are quarters a	e 1=NW re smalle	2-NE 3-S st to large	SW 4-SE st)	i) (NAD8	83 UTM in mete	ers)		
Well Tag	POD	Number	r	Q	64 Q16	Q4 S	ec Tws	Rng		Х	Y		
	C 01	1217			4 1	3 1	3 235	28E	5897	89 35743	71 💽		
Driller Lice	nse:	359		Dri	ller Cor	npany	: BR	ADY,	W.H. DR	ILLING CO			
Driller Nam	e:	W.H. BI	RADY										
Drill Start D	Date:	08/07/1	964	Dril	ll Finist	Date:	. 0	8/11/19	964	Plug Date:			
Log File Dat	te:	09/15/1	964	PC	W Rcv I	Date:				Source:		Shallow	
Pump Type:				Pipe	e Disch:	arge Si	ze:			Estimated	Yield:		
Casing Size:				Dep	th Well	l:	8	7 feet		Depth Wat	ter:	50 feet	
										-			
	Wate	r Bearin	g Stratifi	cations	:	Тор	Botton	n Desc	ription				
						55	6	9 Sand	lstone/Gr	avel/Conglo	merate		
10 1	Mete	r Numbe	r:	559			Meter	Make:		MCCROM	1ETER		
	Meter	r Serial I	Number:	95417	36		Meter	Multip	lier:	1.0000			
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1	Unit e	of Measu	ire:	Acre-	Feet		Returi	n Flow	Percent:				
1	Usage	. Multip	lier:				Readii	ng Freq	[uency:				
Mata- D													
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Read I	Date	Year	Mtr Re	ading	Flag	Rdr	Comm	ent			Mtr A	mount	Online
12/29/1	1998	1999		136	Α	ms						0	
04/16/1	1999	1999		155	A	ms						18.685	
06/30/	1999	1999		175	A	ms						19.849	
09/29/1	1999	1999		200	A	ms						25.349	
01/04/2	2000	1999		226	A	ms						25.613	
04/06/2	2000	2000		243	Α	mb						16.558	
07/01/2	2000	2000		256	Α	mb						13.141	
10/01/2	2000	2000		276	Α	mb						20.241	
10/19/2	2000	2000		279	A	mb						3.020	
01/05/2	2001	2000		291	A	ms						12.423	
04/15/2	2001	2001		306	Α	RPT						14.682	
05/09/2	2001	2001		312	Α	ms						5.732	
07/12/2	2001	2001		322	A	RPT						10.142	
10/01/2	2001	2001		337	A	RPT						14. <b>798</b>	
11/08/2	2001	2001		344	Α	AM						6.906	
01/01/2	2003	2002		355	Α	ms						11.314	
04/01/2	2003	2003		366	Α	ms						11.314	
04/01/2	2003	2003		369	Α	ms						3.052	
06/04/2	2003	2003		0	Α	ms						0	
06/04/2	2003	2003		7	Α	ms						6.678	
07/01/2	2003	2003		12	Α	ms						5.246	
08/20/2	2003	2003		22	Α	ms						10.412	

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10/01/2003	2003		31	Α	RPT		8.788
10/27/2003	2003		36	Α	TW		4.600
01/02/2004	2003		49	Α	ab		13.171
04/01/2004	2004		67	Α	RPT		18.345
07/01/2004	2004		93	A	RPT		26.222
10/01/2004	2004		112	Α	RPT		18.603
01/02/2005	2004		130	Α	RPT		18.402
01/03/2005	2005		31	Α	TW		0
01/29/2005	2005		35	Α	TW		4.470
03/30/2005	2005		48	A	TW		13.120
07/06/2005	2005		70	Α	TW		22.284
01/05/2006	2005		26	R	TW	Meter Rollover	55.703
04/06/2006	2006		49	Α	tw		22.428
07/06/2006	2006		71	Α	tw		21.985
01/09/2007	2006		26	R	tw	Meter Rollover	55.935
07/03/2007	2007		72	Α	tw		45.278
10/11/2007	2007		96	Α	tw		24.730
01/03/2008	2007		18	R	tw	Meter Rollover	21.415
04/24/2008	2008		44	Α	tw		25.874
07/17/2008	2008		70	Α	tw		26.000
10/02/2008	2008		5	R	tw	Meter Rollover	35.752
01/15/2009	2008		28	Α	tw		22.762
04/22/2009	2009		50	Α	tw		21.303
08/04/2009	2009		72	Α	tw		22.625
01/06/2010	2009		6	R	tw	Meter Rollover	33.717
06/02/2010	2010		37	A	tw		31.586
01/12/2011	2010		88	Α	tw		50.274
01/23/2012	2011		74	R	tw	Meter Rollover	86.316
03/12/2012	2012		85	Α	tw		10.930
07/24/2012	2012		14	R	tw	Meter Rollover	28.647
02/13/2013	2012		56	A	tw		42.801
01/24/2014	2013		26	R	tw	Meter Rollover	69.298
07/22/2014	2014		69	Α	tw		43.349
01/27/2015	2014		<b>79</b>	Α	tw		10.138
03/11/2016	2015		5	R	tw	Meter Rollover	26.221
08/09/2016	2016		80	Α	tw		74.314
12/28/2016	2016		92	Α	tw		11.929
**VTD Mater	Amounte	Vear			Amount		
I I D Meter	Amyunta.	1999			89.496		
		2000			65 383		
		2001			52 260		
		2002			11 314		
		2003			63 261		
		2004			81 572		
		2005			95.577		
		2006			100 348		
		2007			91 472		
		2007			110 388		
		2000			77 645		
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81,860

2010

			2	011		86.316	I		
			2	012		82.378			
			2	013		69.298			
			2	014		53.487			
			2	015		26.221			
			2	016	_	86.243			
	Meter	Numbe	er:	1401			Meter Make:	MCCROMETER	-
	Meter	· Serial I	Number	: 17-09	535		Meter Multiplier:	100.0000	
	Numb	er of Di	als:	6			Meter Type:	Diversion	
	Unit o	of Measu	ire:	Gallor	IS		<b>Return Flow Percent:</b>		
	Usage	Multipl	lier:				<b>Reading Frequency:</b>		
leter R	eading	gs (in Ac	re-Feet						
Read	Date	Year	Mtr 1	Reading	Flag	Rdr	Comment	Mtr Amount Onl	ine
04/06/	2000	2000		20998	Α	mb		0	
07/11/	2000	2000		23327	Α	mb		2329.000	
03/01/	2019	2019		201196	Α	RPT		0	
10/31/	2019	2019		255120	Α	RPT		16.549	
-	-	er Amor	ints: Y	ear	A	mount			
**YT	D Met								
**YT	D Met		2	000	2	329.000			

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6/9/22 10:09 AM

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# New Mexico Office of the State Engineer Point of Diversion Summary

			(quarters (quarter	s are 1=N rs are sm	W 2=i allest f	NE 3=S' to larges	(NAD83 U	(NAD83 UTM in meters)			
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	Y		
	C 0	1967		2 3	13	23S	<b>28</b> E	590111	3574498* 💮		
Driller Lice	ense:	592	Driller (	Compa	ny:	то	MBLIN	DRILLING	ì		
Driller Nar	ne:										
Drill Start	Date:	06/22/1981	Drill Fin	ish Da	te:	0	7/15/198	i Pi	ug Date:		
Log File Da	ate:	08/04/1981	PCW Ro	v Date	:			So	urce:	Shallow	
Ритр Туре	8:		Pipe Dis	charge	Size	:		Es	timated Yield:	15 GPM	
Casing Size	e:	6.00	Depth W	/ell:		20	64 feet	De	epth Water:	200 feet	
	Wate	r Bearing Stratif	ications:	Τα	рB	ottom	Descri	iption			
				25	8	264	Sandst	ione/Gravel	/Conglomerate		
		Casing Per	forations:	To	рB	ottom					
				25	6	264					

#### *UTM location was derived from PLSS - see Help

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# New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters) (quarte	s are 1=N rs are sm	W 2=1 allest t	NE 3=S o larges	W 4=SE) (1)	(NAD83 UT	(NAD83 UTM in meters)		
Well Tag POI	) Number	Q64 Q	16 Q4	Sec	Tws	Rng	х	Y		
NA CO	04490 POD2	2	33	13	23S	28E	589899	3574259 🔵		
Driller License: 1664		Driller Company: CASCADE !					DRILLING	LP		
Driller Name:	SHAWN CAIN									
Drill Start Date: 11/18/2020		<b>Drill Finish Date:</b>			11/19/2020		0 Plu	g Date:		
Log File Date: 12/21/2020		PCW Rcv Date:					Source:		Shallow	
Ритр Туре:		Pipe Discharge Size:					Esti	imated Yield:	3 GPM	
Casing Size:	2.00	Depth V	Vell:		2	3 feet	Dep	oth Water:	19 feet	
	Casing Perfo	rations:	То	p B	ottom	1				
			1	3	23	i				

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# New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1 (quarters are	-NW 2-1 smallest t	NE 3=S o larges	(NAD83 U7			
Well Tag P	OD Number	Q64 Q16 Q	4 Sec	Tws	Rng	X	Y _	
NA C	04584 POD2	4 2	1 13	23S	28E	590250	3575123 🕥	
Driller License	e: 1664	Driller Com	pany:	CA	SCADE	DRILLING	, LP	
Driller Name:	CAIN, SHAWN	N.NJR.L.NER						
Drill Start Date: 12/14/2021		Drill Finish	1	2/15/202	! Plu	g Date:		
Log File Date: 05/19/2022 Pump Type:		PCW Rev Date: Pipe Discharge Size:				Source: Estimated Yield:		Shallow 0 GPM
10	Casing Per	forations:	<b>Тор В</b> 14	iottom 34				

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Agency code = usgs site_no list = • 321818104025001

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 321818104025001 23S.28E.13.31111

Available data for this site Groundwater: Field measurements 👻

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'18", Longitude 104°02'50" NAD27 Land-surface elevation 2,976 feet above NAVD88 The depth of the well is 210 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

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Tab-separated data
Graph of data
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Agency code = usgs site_no list = • 321821104025501

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## USGS 321821104025501 23S.28E.14.244323

Available data for this site Groundwater: Field measurements  $\checkmark$ 

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'21", Longitude 104°02'55" NAD27 Land-surface elevation 2,973 feet above NAVD88 The depth of the well is 132 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

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Agency code = usgs site_no list = • 321825104025901

#### Minimum number of levels = 1

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## USGS 321825104025901 23S.28E.14.243221

Available data for this site Groundwater: Field measurements 💌

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'25", Longitude 104°02'59" NAD27 Land-surface elevation 2,980 feet above NAVD88 The depth of the well is 130 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

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Agency code = usgs site_no list = • 321828104024301

#### Minimum number of levels = 1

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## USGS 321828104024301 23S.28E.13.13142

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'28", Longitude 104°02'43" NAD27 Land-surface elevation 2,980 feet above NAVD88 The depth of the well is 40 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

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Agency code = usgs site_no list = • 321828104024601

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## USGS 321828104024601 23S.28E.13.13141

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'28", Longitude 104°02'46" NAD27 Land-surface elevation 2,980 feet above NAVD88 The depth of the well is 79 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

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Graph of data		
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Agency code = usgs site_no list = • 321830104030301

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## USGS 321830104030301 23S.28E.14.241141

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'26.4", Longitude 104°03'06.0" NAD83 Land-surface elevation 2,973 feet above NAVD88 The depth of the well is 80 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

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# APPENDIX C

# Soil Sampling Form

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



#### Received by OCD: 11/29/2023 9:21:18 AM

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Quantab Chloride Test Strip Analysis Sheet									
Date:	12/15/2022         Client: Chevron								
Site:	South Culebra Bluff 5 Battery				Project Number: 16103				
Technican:	Blake Estep			Total Strips Used: 16					
Sample ID		Depth	Titrator Range	Dilution	Test Strip Result (ppm)	Final Result (ppm)	Notations		
Auger Hole	1	6"	А	5	43	215			
Auger Hole	2	6"	А	5	31	155			
Auger Hole	3	6"	А	5	528	2,640			
Auger Hole	3	12"	А	5	264	1,320			
Auger Hole	3	24"	А	5	82	410			
Auger Hole	4	6"	А	5	611	3,055			
Auger Hole	4	12"	А	5	102	510			
Auger Hole	4	24"	А	5	31	155			
Auger Hole	5	6"	А	5	31	155			
Auger Hole	6	6"	А	5	460	2,300			
Auger Hole	6	12"	А	5	460	2,300			
Auger Hole	6	24"	А	5	165	825			
Auger Hole	6	36"	А	5	102	510			
Auger Hole	7	6"	А	5	31	155			
Auger Hole	8	6"	А	5	37	185			
Auger Hole	9	6"	А	5	92	460			

Titrator Range: A= 30-600 B=300-6000 ppm Soil Sample Volume: 10 Grams Distilled Water Volume = 50 ml NR denotes non-registering
# APPENDIX D

# Photographic Log

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# APPENDIX E

# Tables

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



-

e _{TEC}	Table 1 SOIL SAMPLE ANALYTICAL RESULTS Chevron USA, Inc. South Culebra Bluff 5 Battery Eddy County, New Mexico													
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I Closure (NMAC 19.15.29)	e Criteria for Soi	Is Impacted by a	Release	10	50	NE	NE	NE	100	600				
Delineation Soil Samples - Incident Number nAPP2212329098														
Auger Hole 1	12/15/2022	0.5	6	NA	NA	1,190	10,300	1,450	12,900	260				
Auger Hole 1	12/15/2022	1	12	NA	NA	<26.3	75.9	42.5	118	175				
Auger Hole 2	12/15/2022	0.5	6	NA	NA	1,480	10,700	1,930	14,100	206				
Auger Hole 2	12/15/2022	1	12	NA	NA	<26.3	64.3	32.8	97.1	179				
Auger Hole 3	12/15/2022	0.5	6	NA	NA	<27.8	<27.8	<27.8	<27.8	3,180				
Auger Hole 3	12/15/2022	1	12	NA	NA	<26.6	<26.6	<26.6	<26.6	1,320				
Auger Hole 3	12/15/2022	2	24	NA	NA	26.3	<26.3	<26.3	26.3	425				
Auger Hole 4	12/15/2022	0.5	6	NA	NA	45.7	2,400	419	2,860	5,740				
Auger Hole 4	12/15/2022	1	12	NA	NA	<26.0	<26.0	<26.0	<26.0	531				
Auger Hole 5	12/15/2022	0.5	6	NA	NA	<28.7	<28.7	<28.7	<28.7	57.2				
Auger Hole 6	12/15/2022	0.5	6	NA	NA	<28.4	<28.4	<28.4	<28.4	2,700				
Auger Hole 6	12/15/2022	1	12	NA	NA	<26.3	<26.3	<26.3	<26.3	2,230				
Auger Hole 6	12/15/2022	2	24	NA	NA	<26.9	<26.9	<26.9	<26.9	829				
Auger Hole 6	12/15/2022	3	36	NA	NA	<25.8	<25.8	<25.8	<25.8	512				
Auger Hole 7	12/15/2022	0.5	6	NA	NA	<27.8	<27.8	<27.8	<27.8	8.39				
Auger Hole 8	12/15/2022	0.5	6	NA	NA	<27.8	<27.8	<27.8	<27.8	183				
Auger Hole 9	12/15/2022	0.5	6	NA	NA	<26.6	<26.6	<26.6	<26.6	478				
Auger Hole 9	12/15/2022	1	12	NA	NA	<26.9	<26.9	<26.9	<26.9	1,260				
Auger Hole 1 Deferral	06/05/2023	0-0.5	0-6	<0.0211	<0.0421	<26.3	<26.3	<26.3	<26.3	5,130				
Auger Hole 1 Deferral	06/05/2023	3.5-4	42-48	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	49.9				
Auger Hole 2 Deferral	06/05/2023	0-0.5	0-6	<0.0208	<0.0417	<26.0	<26.0	<26.0	<26.0	743				
Auger Hole 2 Deferral	06/05/2023	3.5-4	42-48	<0.0208	<0.0417	<26.0	<26.0	<26.0	<26.0	222				
				Excava	tion Soil Samples - Inc	ident Number nAPP22	12329098							
Bottom Hole 1	05/09/2023	3	36	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	86.4				
Bottom Hole - 1	06/05/2023	3	36	<0.0200	<0.0400	NA	NA	NA	NA	NA				
Bottom Hole 2	05/09/2023	3	36	<0.00104 [†]	<0.00208 [‡]	<26.0	<26.0	<26.0	<26.0	23.1				
Bottom Hole - 2	06/05/2023	3	36	<0.0202	<0.0404	NA	NA	NA	NA	NA				

-

e _{TEC}	Table 1 SOIL SAMPLE ANALYTICAL RESULTS Chevron USA, Inc. South Culebra Bluff 5 Battery Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			a Release	10	50	NE	NE	NE	100	600		
Bottom Hole 3	05/09/2023	1	12	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	11.7		
Bottom Hole - 3	06/05/2023	1	12	<0.0200	<0.0400	NA	NA	NA	NA	NA		
Bottom Hole 4	05/09/2023	1	12	<0.00104 [†]	<0.00208‡	<26.0	<26.0	<26.0	<26.0	4.18		
Bottom Hole - 4	06/05/2023	1	12	<0.0202	<0.0404	NA	NA	NA	NA	NA		
Bottom Hole 5	05/09/2023	1	12	<0.00108 [†]	<0.00215 [‡]	<26.9	<26.9	<26.9	<26.9	194		
Bottom Hole - 5	06/05/2023	1	12	<0.0200	<0.0400	NA	NA	NA	NA	NA		
Bottom Hole 6	05/09/2023	1	12	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	8.12		
Bottom Hole - 6	06/05/2023	1	12	<0.00100	<0.00200	NA	NA	NA	NA	NA		
Bottom Hole 7	05/09/2023	1	12	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	10.1		
Bottom Hole - 7	06/05/2023	1	12	<0.00101	<0.00202	NA	NA	NA	NA	NA		
Bottom Hole 8	05/09/2023	1	12	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	12.1		
Bottom Hole - 8	06/05/2023	1	12	<0.00101	<0.00202	NA	NA	NA	NA	NA		
Bottom Hole 9	05/09/2023	3	36	<0.00100 [†]	<0.00200‡	<25.0	<25.0	<25.0	<25.0	155		
Bottom Hole - 9	06/05/2023	3	36	<0.00101	<0.00202	NA	NA	NA	NA	NA		
Bottom Hole 10	05/09/2023	3	36	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	108		
Bottom Hole - 10	06/05/2023	3	36	<0.00101	<0.00202	NA	NA	NA	NA	NA		
Bottom Hole 11	05/09/2023	1	12	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	74.2		
Bottom Hole - 11	06/05/2023	1	12	<0.00101	<0.00202	NA	NA	NA	NA	NA		
Bottom Hole 12	05/09/2023	1	12	<0.00104 [†]	<0.00208‡	<26.0	<26.0	<26.0	<26.0	322		
Bottom Hole - 12	06/05/2023	1	12	<0.00101	<0.00202	NA	NA	NA	NA	NA		
North Sidewall 1	05/09/2023	0.83	10	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	127		
North Side Wall	06/05/2023	0.83	10	<0.0202	<0.0404	NA	NA	NA	NA	NA		
East Sidewall 1	05/09/2023	0.83	10	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	93.2		
East Side Wall - 1	06/05/2023	0.83	10	<0.0202	<0.0404	NA	NA	NA	NA	NA		
East Sidewall 2	05/09/2023	0.83	10	<0.00103 [†]	<0.00206 [‡]	<25.8	<25.8	<25.8	<25.8	70.9		
East Side Wall - 2	06/05/2023	0.83	10	<0.0202	<0.0404	NA	NA	NA	NA	NA		
South Sidewall 1	05/09/2023	0.83	10	<0.00104 [†]	<0.00208 [‡]	<26.0	<26.0	<26.0	<26.0	37.3		
South Wall - 1	06/05/2023	0.83	10	<0.0202	<0.0404	NA	NA	NA	NA	NA		

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Table 1 SOIL SAMPLE ANALYTICAL RESULTS Chevron USA, Inc. South Culebra Bluff 5 Battery Eddy County, New Mexico														
Sample I.D.	Sample Date	Sample Depth (feet bgs)	ple Depth eet bgs) Benzene (mg/kg) Total BTEX (mg/kg) TPH GRO (mg/kg) TPH DRO (mg/kg) TPH ORO (mg/kg) Total TPH (mg/kg) Chloride (mg/kg)											
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)				10	50	NE	NE	NE	100	600				
West Sidewall 1	05/09/2023	0.83	10	<0.00103 [†]	<0.00206‡	<25.8	<25.8	<25.8	<25.8	61.9				
West Side Wall - 1	06/05/2023	0.83	10	<0.0202	<0.0404	NA	NA	NA	NA	NA				
West Sidewall 2	05/09/2023	0.83	10	<0.00103 [†]	<0.00206‡	<25.8	<25.8	<25.8	<25.8	45.6				
West Sidewall - 2	06/05/2023	0.83	10	<0.0202	<0.0404	NA	NA	NA	NA	NA				

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

NA: Not Analyzed

Text in "grey" represents excavated soil samples

Concentrations in bold exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

[†]Laboratory indicated Benzene was analyzed following the lapse of the appropriate hold time due to the "catastrophic failure" of the "Autosampler for the BTEX GC" on May 19, 2023

[#]Laboratory indicated BTEX was analyzed following the lapse of the appropriate hold time due to the "catastrophic failure" of the "Autosampler for the BTEX GC" on May 19, 2023

# APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

### **Prepared for:**

Blake Estep E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa, TX 79765

> Project: South Culebra Bluff 5 Battery Project Number: 16103 Location: New Mexico

> > Lab Order Number: 2L16007



**Current Certification** 

Report Date: 12/27/22

E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa TX, 79765 Project: South Culebra Bluff 5 Battery Project Number: 16103 Project Manager: Blake Estep

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Auger Hole 1 6"	2L16007-01	Soil	12/15/22 12:00	12-16-2022 12:40
Auger Hole 1 12"	2L16007-02	Soil	12/15/22 12:02	12-16-2022 12:40
Auger Hole 2 6"	2L16007-03	Soil	12/15/22 12:04	12-16-2022 12:40
Auger Hole 2 12"	2L16007-04	Soil	12/15/22 12:06	12-16-2022 12:40
Auger Hole 3 6"	2L16007-05	Soil	12/15/22 12:08	12-16-2022 12:40
Auger Hole 3 12"	2L16007-06	Soil	12/15/22 12:10	12-16-2022 12:40
Auger Hole 3 24"	2L16007-07	Soil	12/15/22 12:12	12-16-2022 12:40
Auger Hole 4 6"	2L16007-08	Soil	12/15/22 12:14	12-16-2022 12:40
Auger Hole 4 12"	2L16007-09	Soil	12/15/22 12:16	12-16-2022 12:40
Auger Hole 5 6"	2L16007-10	Soil	12/15/22 12:18	12-16-2022 12:40
Auger Hole 6 6"	2L16007-11	Soil	12/15/22 12:20	12-16-2022 12:40
Auger Hole 6 12"	2L16007-12	Soil	12/15/22 12:22	12-16-2022 12:40
Auger Hole 6 24"	2L16007-13	Soil	12/15/22 12:24	12-16-2022 12:40
Auger Hole 6 36"	2L16007-14	Soil	12/15/22 12:26	12-16-2022 12:40
Auger Hole 7 6"	2L16007-15	Soil	12/15/22 12:28	12-16-2022 12:40
Auger Hole 8 6"	2L16007-16	Soil	12/15/22 12:30	12-16-2022 12:40
Auger Hole 9 6"	2L16007-17	Soil	12/15/22 12:32	12-16-2022 12:40
Auger Hole 9 12"	2L16007-18	Soil	12/15/22 12:34	12-16-2022 12:40

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Au	lg	ge	r	H	0	le	1	6''

2L16007-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian Ba	asin Envi	ronmental I	Lab, L.P.			
Total Petroleum Hydrocarbons C6-0	C35 by EPA	Method	8015M						
C6-C12	1190	140	mg/kg dry	5	P2L2014	12/20/22 12:00	12/27/22 09:16	TPH 8015M	
>C12-C28	10300	140	mg/kg dry	5	P2L2014	12/20/22 12:00	12/27/22 09:16	TPH 8015M	
>C28-C35	1450	140	mg/kg dry	5	P2L2014	12/20/22 12:00	12/27/22 09:16	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P2L2014	12/20/22 12:00	12/27/22 09:16	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-130		P2L2014	12/20/22 12:00	12/27/22 09:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	12900	140	mg/kg dry	5	[CALC]	12/20/22 12:00	12/27/22 09:16	calc	
General Chemistry Parameters by H	EPA / Stand	ard Meth	nods						
Chloride	260	1.12	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 17:23	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216	

E Tech Environmental & Safety Solutio 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Projec Project	Project: t Number: Manager:	South Culebra 16103 Blake Estep	a Bluff 5 Battery			
				Auger H	ole 1 12"				
<b></b>				2L16007	-02 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab. L.P.			
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	l 8015M			,			
C6-C12	ND	26.3	mg/kg dry	y 1	P2L2014	12/20/22 12:00	12/22/22 19:34	TPH 8015M	
>C12-C28	75.9	26.3	mg/kg dry	y 1	P2L2014	12/20/22 12:00	12/22/22 19:34	TPH 8015M	
>C28-C35	42.5	26.3	mg/kg dry	/ 1	P2L2014	12/20/22 12:00	12/22/22 19:34	TPH 8015M	
Surrogate: 1-Chlorooctane	9	94.0 %	70-130		P2L2014	12/20/22 12:00	12/22/22 19:34	TPH 8015M	
Surrogate: o-Terphenyl	9	98.8 %	70-130		P2L2014	12/20/22 12:00	12/22/22 19:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	118	26.3	mg/kg dry	y 1	[CALC]	12/20/22 12:00	12/22/22 19:34	calc	
General Chemistry Parameters by	EPA / Standa	ard Met	hods						
Chloride	175	1.05	mg/kg dry	y 1	P2L2010	12/20/22 12:50	12/20/22 18:03	EPA 300.0	
% Moisture	5.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765		Projec Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery				
				Auger F	Hole 2 6'' -03 (Soil)				
				2110007	00 (001)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental I	Lab. L.P.			
Total Petroleum Hydrocarbons C6-	C35 by EPA	A Method	1 8015M						
C6-C12	1480	145	mg/kg dry	5	P2L2014	12/20/22 12:00	12/27/22 09:37	TPH 8015M	
>C12-C28	10700	145	mg/kg dry	5	P2L2014	12/20/22 12:00	12/27/22 09:37	TPH 8015M	
>C28-C35	1930	145	mg/kg dry	5	P2L2014	12/20/22 12:00	12/27/22 09:37	TPH 8015M	
Surrogate: 1-Chlorooctane		121 %	70-130		P2L2014	12/20/22 12:00	12/27/22 09:37	TPH 8015M	
Surrogate: o-Terphenyl		121 %	70-130		P2L2014	12/20/22 12:00	12/27/22 09:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	14100	145	mg/kg dry	5	[CALC]	12/20/22 12:00	12/27/22 09:37	calc	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	206	1.16	mg/kg dry	/ 1	P2L2010	12/20/22 12:50	12/20/22 18:17	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ns, Inc. [1]		Projec Project	Project: t Number: Manager:	South Culebra 16103 Blake Estep	a Bluff 5 Battery			
<u> </u>			1	Auger H 21.16007	ole 2 12'' -04 (Soil)				
				2110007	-04 (3011)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	I 8015M						
C6-C12	ND	26.3	mg/kg dry	/ 1	P2L2014	12/20/22 12:00	12/22/22 20:18	TPH 8015M	
>C12-C28	64.3	26.3	mg/kg dry	/ 1	P2L2014	12/20/22 12:00	12/22/22 20:18	TPH 8015M	
>C28-C35	32.8	26.3	mg/kg dry	/ 1	P2L2014	12/20/22 12:00	12/22/22 20:18	TPH 8015M	
Surrogate: 1-Chlorooctane	ý	95.3 %	70-130		P2L2014	12/20/22 12:00	12/22/22 20:18	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P2L2014	12/20/22 12:00	12/22/22 20:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	97.1	26.3	mg/kg dry	/ 1	[CALC]	12/20/22 12:00	12/22/22 20:18	calc	
General Chemistry Parameters by	EPA / Stand	<u>ard M</u> et	hods						
Chloride	179	1.05	mg/kg dry	/ 1	P2L2010	12/20/22 12:50	12/20/22 18:30	EPA 300.0	
% Moisture	5.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
				Auger H	Iole 3 6''				
				2L16007	-05 (Soil)				
	I	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian Ba	asin Envi	ironmental I	.ab, L.P.			
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M						
C6-C12	ND	27.8	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 20:39	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 20:39	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 20:39	TPH 8015M	
Surrogate: 1-Chlorooctane	9	0.0 %	70-130		P2L2014	12/20/22 12:00	12/22/22 20:39	TPH 8015M	
Surrogate: o-Terphenyl	9	96.1 %	70-130		P2L2014	12/20/22 12:00	12/22/22 20:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	12/20/22 12:00	12/22/22 20:39	calc	
General Chemistry Parameters by	EPA / Standa	ard Met	hods						
Chloride	3180	5.56	mg/kg dry	5	P2L2010	12/20/22 12:50	12/20/22 18:43	EPA 300.0	
% Moisture	10.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216	

E Tech Environmental & Safety Solutio 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
			1	Auger H	ole 3 12"				
				2L16007	-06 (Soil)				
Analyte	l Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	ab. L.P.			
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M			,			
C6-C12	ND	26.6	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 21:01	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 21:01	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 21:01	TPH 8015M	
Surrogate: 1-Chlorooctane	9	07.0 %	70-130		P2L2014	12/20/22 12:00	12/22/22 21:01	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P2L2014	12/20/22 12:00	12/22/22 21:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	12/20/22 12:00	12/22/22 21:01	calc	
General Chemistry Parameters by	EPA / Standa	ard Met	hods						
Chloride	1320	1.06	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 18:57	EPA 300.0	
% Moisture	6.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	<ul> <li>South Culebra Bluff 5 Battery</li> <li>16103</li> <li>Blake Estep</li> </ul>					
<b></b>			1	Auger H	ole 3 24"					
				2L16007	-07 (Soil)					
Anches		Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ironmental I	ab. L.P.				
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M							
C6-C12	26.3	26.3	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 21:23	TPH 8015M		
>C12-C28	ND	26.3	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 21:23	TPH 8015M		
>C28-C35	ND	26.3	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 21:23	TPH 8015M		
Surrogate: 1-Chlorooctane	8	39.5 %	70-130		P2L2014	12/20/22 12:00	12/22/22 21:23	TPH 8015M		
Surrogate: o-Terphenyl	ç	95.7%	70-130		P2L2014	12/20/22 12:00	12/22/22 21:23	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	12/20/22 12:00	12/22/22 21:23	calc		
General Chemistry Parameters by	EPA / Stand	ard Met	hods							
Chloride	425	1.05	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 19:10	EPA 300.0		
% Moisture	5.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	<ul> <li>t: South Culebra Bluff 5 Battery</li> <li>r: 16103</li> <li>r: Blake Estep</li> </ul>					
				Auger H 2L16007-	lole 4 6'' -08 (Soil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Total Petroleum Hydrocarbons C6-	C35 by EPA	P Method	ermian Ba 1 8015M	asin Envi	ronmental L	ab, L.P.				
C6-C12 >C12-C28 >C28-C35	45.7 2400 419	27.8 27.8 27.8	mg/kg dry mg/kg dry mg/kg dry	1 1 1	P2L2014 P2L2014 P2L2014	12/20/22 12:00 12/20/22 12:00 12/20/22 12:00	12/22/22 21:44 12/22/22 21:44 12/22/22 21:44	TPH 8015M TPH 8015M TPH 8015M		
Surrogate: 1-Chlorooctane Surrogate: o-Terphenyl Total Petroleum Hydrocarbon	2860	96.2 % 127 % 27.8	70-130 70-130 mg/kg dry	1	<i>P2L2014</i> <i>P2L2014</i> [CALC]	12/20/22 12:00 12/20/22 12:00 12/20/22 12:00	12/22/22 21:44 12/22/22 21:44 12/22/22 21:44	<i>TPH 8015M</i> <i>TPH 8015M</i> calc		
General Chemistry Parameters by Chloride	<u>EPA / Stand</u> 5740	ard Met	<b>hods</b> mg/kg dry %	, 10 1	P2L2010 P2L2017	12/20/22 12:50	12/20/22 19:23	EPA 300.0 ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	<ul> <li>South Culebra Bluff 5 Battery</li> <li>16103</li> <li>Blake Estep</li> </ul>					
<b></b>			1	Auger H	ole 4 12"					
				2L16007	-09 (Soil)					
Analyte	Pogult	Reporting	Unita	Dilution	Datab	Proposed	Analyzed	Method	Notes	
	Result	Liint	Onits	Dilution	Daten	Tiepareu	11111/200		110100	
		Р	ermian B	asin Envi	ronmental I	lab, L.P.				
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M							
C6-C12	ND	26.0	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 22:06	TPH 8015M		
>C12-C28	ND	26.0	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 22:06	TPH 8015M		
>C28-C35	ND	26.0	mg/kg dry	1	P2L2014	12/20/22 12:00	12/22/22 22:06	TPH 8015M		
Surrogate: 1-Chlorooctane	ç	91.5 %	70-130		P2L2014	12/20/22 12:00	12/22/22 22:06	TPH 8015M		
Surrogate: o-Terphenyl	ç	97.4 %	70-130		P2L2014	12/20/22 12:00	12/22/22 22:06	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	12/20/22 12:00	12/22/22 22:06	calc		
General Chemistry Parameters by	EPA / Standa	ard Met	hods							
Chloride	531	1.04	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 19:36	EPA 300.0		
% Moisture	4.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Projec Project	Project: t Number: Manager:	South Culebra Bluff 5 Battery : 16103 : Blake Estep					
				Auger H	Iole 5 6''					
				2L10007	-10 (3011)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental I	lab, L.P.				
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M							
C6-C12	ND	28.7	mg/kg dry	/ 1	P2L2014	12/20/22 12:00	12/22/22 22:27	TPH 8015M		
>C12-C28	ND	28.7	mg/kg dry	/ 1	P2L2014	12/20/22 12:00	12/22/22 22:27	TPH 8015M		
>C28-C35	ND	28.7	mg/kg dry	/ 1	P2L2014	12/20/22 12:00	12/22/22 22:27	TPH 8015M		
Surrogate: 1-Chlorooctane	ç	02.7 %	70-130		P2L2014	12/20/22 12:00	12/22/22 22:27	TPH 8015M		
Surrogate: o-Terphenyl		102 %	70-130		P2L2014	12/20/22 12:00	12/22/22 22:27	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	/ 1	[CALC]	12/20/22 12:00	12/22/22 22:27	calc		
General Chemistry Parameters by	EPA / Standa	ard Met	hods							
Chloride	57.2	1.15	mg/kg dry	/ 1	P2L2010	12/20/22 12:50	12/20/22 19:50	EPA 300.0		
% Moisture	13.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ns, Inc. [1]		Project Project	Project: t Number: Manager:	: South Culebra Bluff 5 Battery : 16103 : Blake Estep				
				Auger H	lole 6 6''				
				2L16007	-11 (Soil)				
		Renorting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian Ba	asin Envi	ronmental l	Lab, L.P.			
<u>Total Petroleum Hydrocarbons C6-0</u>	C35 by EPA	Method	8015M						
C6-C12	ND	28.4	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 01:19	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 01:19	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 01:19	TPH 8015M	
Surrogate: 1-Chlorooctane	Ģ	0.8 %	70-130		P2L2015	12/20/22 12:20	12/23/22 01:19	TPH 8015M	
Surrogate: o-Terphenyl	ç	05.8 %	70-130		P2L2015	12/20/22 12:20	12/23/22 01:19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	12/20/22 12:20	12/23/22 01:19	calc	
General Chemistry Parameters by E	CPA / Stand	ard Met	hods						
Chloride	2700	5.68	mg/kg dry	5	P2L2010	12/20/22 12:50	12/20/22 20:30	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Projec Project	Project: t Number: Manager:	South Culebra Bluff 5 Battery 16103 Blake Estep					
			1	Auger H	ole 6 12"					
				2L10007	-12 (5011)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ironmental I	ab. L.P.				
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M							
C6-C12	ND	26.3	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 01:41	TPH 8015M		
>C12-C28	ND	26.3	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 01:41	TPH 8015M		
>C28-C35	ND	26.3	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 01:41	TPH 8015M		
Surrogate: 1-Chlorooctane	9	02.9 %	70-130		P2L2015	12/20/22 12:20	12/23/22 01:41	TPH 8015M		
Surrogate: o-Terphenyl	9	9.5 %	70-130		P2L2015	12/20/22 12:20	12/23/22 01:41	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	12/20/22 12:20	12/23/22 01:41	calc		
General Chemistry Parameters by	EPA / Standa	ard Met	hods							
Chloride	2230	5.26	mg/kg dry	5	P2L2010	12/20/22 12:50	12/20/22 21:10	EPA 300.0		
% Moisture	5.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solutio 13000 West County Road 100 Odessa TX, 79765	ns, Inc. [1]		Project Project	Project: t Number: Manager:	<ul> <li>South Culebra Bluff 5 Battery</li> <li>16103</li> <li>Blake Estep</li> </ul>					
			l	Auger H	ole 6 24''					
				2L16007	-13 (Soil)					
	1	Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		р	ermian R	asin Fnvi	ronmental I	ah I P				
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M		i onnicitai i	240, 2.1.				
C6-C12	ND	26.9	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 02:03	TPH 8015M		
>C12-C28	ND	26.9	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 02:03	TPH 8015M		
>C28-C35	ND	26.9	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 02:03	TPH 8015M		
Surrogate: 1-Chlorooctane	8	87.6 %	70-130		P2L2015	12/20/22 12:20	12/23/22 02:03	TPH 8015M		
Surrogate: o-Terphenyl	9	01.7 %	70-130		P2L2015	12/20/22 12:20	12/23/22 02:03	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	12/20/22 12:20	12/23/22 02:03	calc		
General Chemistry Parameters by	EPA / Standa	ard Met	hods							
Chloride	829	1.08	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 21:23	EPA 300.0		
% Moisture	7.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solutio 13000 West County Road 100 Odessa TX, 79765	ns, Inc. [1]		Project Project	Project: t Number: Manager:	<ul> <li>South Culebra Bluff 5 Battery</li> <li>16103</li> <li>Blake Estep</li> </ul>					
			I	Auger H	ole 6 36''					
				2L16007	-14 (Soil)					
	1	Penarting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian Ba	asin Envi	ronmental L	.ab, L.P.				
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M			,				
C6-C12	ND	25.8	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 02:24	TPH 8015M		
>C12-C28	ND	25.8	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 02:24	TPH 8015M		
>C28-C35	ND	25.8	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 02:24	TPH 8015M		
Surrogate: 1-Chlorooctane	8	87.6 %	70-130		P2L2015	12/20/22 12:20	12/23/22 02:24	TPH 8015M		
Surrogate: o-Terphenyl	9	94.7 %	70-130		P2L2015	12/20/22 12:20	12/23/22 02:24	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	12/20/22 12:20	12/23/22 02:24	calc		
General Chemistry Parameters by l	EPA / Standa	ard <u>Met</u> l	hods							
Chloride	512	1.03	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 21:36	EPA 300.0		
% Moisture	3.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project	Project: t Number: Manager:	t: South Culebra Bluff 5 Battery r: 16103 r: Blake Estep					
			110,000	Auger H	[ole 7 6''					
				2L16007	-15 (Soil)					
	]	Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Total Petroleum Hydrocarbons C6 C6-C12	-C35 by EPA ND	P Method 27.8	ermian B 1 8015M mg/kg dry mg/kg dry	asin Envi	P2L2015	12/20/22 12:20	12/23/22 02:46	TPH 8015M		
>C28-C35	ND ND	27.8 27.8	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 02:46	TPH 8015M		
Surrogate: 1-Chlorooctane Surrogate: o-Terphenyl Total Petroleum Hydrocarbon C6-C35	s ND	87.6 % 92.0 % 27.8	70-130 70-130 mg/kg dry	· 1	P2L2015 P2L2015 [CALC]	<i>12/20/22 12:20</i> <i>12/20/22 12:20</i> 12/20/22 12:20	12/23/22 02:46 12/23/22 02:46 12/23/22 02:46	<i>TPH 8015M</i> <i>TPH 8015M</i> calc		
General Chemistry Parameters by	EPA / Standa	ard Met	hods							
Chloride % Moisture	8.39 10.0	1.11 0.1	mg/kg dry %	1	P2L2010 P2L2017	12/20/22 12:50 12/20/22 15:14	12/20/22 21:50 12/20/22 15:19	EPA 300.0 ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	<ul> <li>South Culebra Bluff 5 Battery</li> <li>16103</li> <li>Blake Estep</li> </ul>					
				Auger H	Iole 8 6''					
				2L16007	-16 (Soil)					
	1	Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental I	.ab. L.P.				
Total Petroleum Hydrocarbons C6-	-C35 by EPA	Method	8015M							
C6-C12	ND	27.8	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:07	TPH 8015M		
>C12-C28	ND	27.8	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:07	TPH 8015M		
>C28-C35	ND	27.8	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:07	TPH 8015M		
Surrogate: 1-Chlorooctane	8	86.0 %	70-130		P2L2015	12/20/22 12:20	12/23/22 03:07	TPH 8015M		
Surrogate: o-Terphenyl	9	02.1 %	70-130		P2L2015	12/20/22 12:20	12/23/22 03:07	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	12/20/22 12:20	12/23/22 03:07	calc		
General Chemistry Parameters by	EPA / Standa	ard <u>M</u> et	hods							
Chloride	183	1.11	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 22:03	EPA 300.0		
% Moisture	10.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	t: South Culebra Bluff 5 Battery r: 16103 r: Blake Estep					
<b></b>				Auger H	lole 9 6''					
				2L16007	-17 (8011)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental I	ab. L.P.				
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M							
C6-C12	ND	26.6	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:29	TPH 8015M		
>C12-C28	ND	26.6	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:29	TPH 8015M		
>C28-C35	ND	26.6	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:29	TPH 8015M		
Surrogate: 1-Chlorooctane	9	91.0 %	70-130		P2L2015	12/20/22 12:20	12/23/22 03:29	TPH 8015M		
Surrogate: o-Terphenyl	9	96.2 %	70-130		P2L2015	12/20/22 12:20	12/23/22 03:29	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	12/20/22 12:20	12/23/22 03:29	calc		
General Chemistry Parameters by	EPA / Stand	ard Met	hods							
Chloride	478	1.06	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 22:16	EPA 300.0		
% Moisture	6.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	<ul> <li>South Culebra Bluff 5 Battery</li> <li>16103</li> <li>Blake Estep</li> </ul>					
			1	Auger H	ole 9 12''					
				2L16007	-18 (Soil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental I	ab. L.P.				
Total Petroleum Hydrocarbons C6-	-C35 by EPA	Method	l 8015M							
C6-C12	ND	26.9	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:50	TPH 8015M		
>C12-C28	ND	26.9	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:50	TPH 8015M		
>C28-C35	ND	26.9	mg/kg dry	1	P2L2015	12/20/22 12:20	12/23/22 03:50	TPH 8015M		
Surrogate: 1-Chlorooctane	8	39.6 %	70-130		P2L2015	12/20/22 12:20	12/23/22 03:50	TPH 8015M		
Surrogate: o-Terphenyl	9	02.4 %	70-130		P2L2015	12/20/22 12:20	12/23/22 03:50	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	12/20/22 12:20	12/23/22 03:50	calc		
General Chemistry Parameters by	EPA / Standa	ard Met	hods							
Chloride	1260	1.08	mg/kg dry	1	P2L2010	12/20/22 12:50	12/20/22 22:30	EPA 300.0		
% Moisture	7.0	0.1	%	1	P2L2017	12/20/22 15:14	12/20/22 15:19	ASTM D2216		

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

#### Permian Basin Environmental Lab, L.P.

		Poportino		Spiles	Source		%PEC		רוסס	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P2L2014 - TX 1005										
Blank (P2L2014-BLK1)				Prepared: 1	12/20/22 Ai	nalyzed: 12	/22/22			
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.4		"	100		98.4	70-130			
Surrogate: o-Terphenyl	51.5		"	50.0		103	70-130			
LCS (P2L2014-BS1)				Prepared: 1	12/20/22 Ai	nalyzed: 12	/22/22			
C6-C12	944	25.0	mg/kg	1000		94.4	75-125			
>C12-C28	1150	25.0	"	1000		115	75-125			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	56.9		"	50.0		114	70-130			
LCS Dup (P2L2014-BSD1)				Prepared: 1	12/20/22 Ai	nalyzed: 12	/22/22			
C6-C12	939	25.0	mg/kg	1000		93.9	75-125	0.497	20	
>C12-C28	1140	25.0	"	1000		114	75-125	1.45	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	58.2		"	50.0		116	70-130			
Calibration Check (P2L2014-CCV1)				Prepared: 1	12/20/22 Ai	nalyzed: 12	/22/22			
C6-C12	519	25.0	mg/kg	500		104	85-115			
>C12-C28	534	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.2	70-130			
Calibration Check (P2L2014-CCV2)				Prepared: 1	12/20/22 Aı	nalyzed: 12	/22/22			
C6-C12	523	25.0	mg/kg	500		105	85-115			
>C12-C28	547	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	53.7		"	50.0		107	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian l	Basin	Environmental	Lab, L.P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P2L2014 - TX 1005										
Duplicate (P2L2014-DUP1)	Sou	rce: 2L15018	-01	Prepared:	12/20/22 A	nalyzed: 12	2/22/22			
C6-C12	1320	269	mg/kg dry		129			164	20	R3
>C12-C28	11900	269	"		1210			163	20	R3
Surrogate: 1-Chlorooctane	95.5		"	108		88.8	70-130			
Surrogate: o-Terphenyl	53.5		"	53.8		99.6	70-130			
Batch P2L2015 - TX 1005										
Blank (P2L2015-BLK1)				Prepared:	12/20/22 A	nalyzed: 12	2/23/22			
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	53.0		"	50.0		106	70-130			
LCS (P2L2015-BS1)				Prepared:	12/20/22 A	nalyzed: 12	2/22/22			
C6-C12	930	25.0	mg/kg	1000		93.0	75-125			
>C12-C28	1110	25.0	"	1000		111	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	54.9		"	50.0		110	70-130			
LCS Dup (P2L2015-BSD1)				Prepared:	12/20/22 A	nalyzed: 12	2/23/22			
C6-C12	932	25.0	mg/kg	1000		93.2	75-125	0.270	20	
>C12-C28	1120	25.0	"	1000		112	75-125	0.631	20	
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	57.3		"	50.0		115	70-130			
Calibration Check (P2L2015-CCV1)				Prepared:	12/20/22 A	nalyzed: 12	2/22/22			
C6-C12	549	25.0	mg/kg	500		110	85-115			
>C12-C28	568	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	56.4		"	50.0		113	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian	Basin	Environme	ntal	Lab,	L.P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P2L2015 - TX 1005										
Calibration Check (P2L2015-CCV2)				Prepared:	2/20/22 A	nalyzed: 12	/23/22			
C6-C12	524	25.0	mg/kg	500		105	85-115			
>C12-C28	539	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	53.5		"	50.0		107	70-130			
Duplicate (P2L2015-DUP1)	Sour	ce: 2L16009	-04	Prepared:	2/20/22 A	nalyzed: 12	/23/22			
C6-C12	793	260	mg/kg dry		ND			172	20	R3
>C12-C28	16700	260	"		1580			165	20	R3
Surrogate: 1-Chlorooctane	90.9		"	104		87.3	70-130			
Surrogate: o-Terphenyl	51.0		"	52.1		98.0	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

#### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P2L2010 - *** DEFAULT PREP ***										
Blank (P2L2010-BLK1)				Prepared &	k Analyzed:	12/20/22				
Chloride	ND	1.00	mg/kg							
LCS (P2L2010-BS1)				Prepared &	k Analyzed:	12/20/22				
Chloride	19.7		mg/kg	20.0		98.3	90-110			
LCS Dup (P2L2010-BSD1)				Prepared &	analyzed:	12/20/22				
Chloride	19.8		mg/kg	20.0	•	98.8	90-110	0.522	10	
Calibration Blank (P2L2010-CCB1)				Prepared &	analyzed:	12/20/22				
Chloride	0.00		mg/kg							
Calibration Blank (P2L2010-CCB2)				Prepared &	analyzed:	12/20/22				
Chloride	0.00		mg/kg							
Calibration Check (P2L2010-CCV1)				Prepared &	د Analyzed:	12/20/22				
Chloride	19.5		mg/kg	20.0		97.3	90-110			
Calibration Check (P2L2010-CCV2)				Prepared &	k Analyzed:	12/20/22				
Chloride	19.7		mg/kg	20.0		98.5	90-110			
Calibration Check (P2L2010-CCV3)				Prepared &	k Analyzed:	12/20/22				
Chloride	19.8		mg/kg	20.0		99.0	90-110			
Matrix Spike (P2L2010-MS1)	Sou	irce: 2L16007	-01	Prepared &	analyzed:	12/20/22				
Chloride	453	1.12	mg/kg dry	281	260	68.8	80-120			QM-05
Matrix Spike (P2L2010-MS2)	Soi	ırce: 2L16007	-11	Prepared &	analyzed:	12/20/22				
Chloride	3540	5.68	mg/kg dry	284	2700	295	80-120			QM-05

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian	Basin	Environmental	Lab,	L.	P.
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		Doporting		Spiles	Source		% DEC		רות מ	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P2L2010 - *** DEFAULT PREP ***										
Matrix Spike Dup (P2L2010-MSD1)	Sou	rce: 2L16007	-01	Prepared &	& Analyzed	: 12/20/22				
Chloride	474	1.12	mg/kg dry	281	260 75.9		80-120	4.34	20	QM-0.
Matrix Spike Dup (P2L2010-MSD2)	Sou	rce: 2L16007	-11	Prepared & Analyzed: 12/20/22						
Chloride	3660	5.68	mg/kg dry	284	2700	337	80-120	3.32	20	QM-05
Batch P2L2017 - *** DEFAULT PREP ***										
Blank (P2L2017-BLK1)				Prepared &	& Analyzed	: 12/20/22				
% Moisture	ND	0.1	%							
Duplicate (P2L2017-DUP1)	Source: 2L16007-10			Prepared &	& Analyzed	: 12/20/22				
% Moisture	14.0	0.1	%		13.0			7.41	20	
Duplicate (P2L2017-DUP2)	Sou	rce: 2L16008	-02	Prepared &	& Analyzed	: 12/20/22				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P2L2017-DUP3)	Sou	rce: 2L16011	-01	Prepared &	& Analyzed	: 12/20/22				
% Moisture	9.0	0.1	%		7.0			25.0	20	R3
Duplicate (P2L2017-DUP4)	Sou	rce: 2L16013	-01	Prepared &	& Analyzed	: 12/20/22				
% Moisture	5.0	0.1	%	1	6.0			18.2	20	
Duplicate (P2L2017-DUP5)	Sou	rce: 2L19008	-11	Prepared &	& Analyzed	: 12/20/22				
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P2L2017-DUP6)	Sou	rce: 2L19009	-02	Prepared &	& Analyzed	: 12/20/22				
% Moisture	13.0	0.1	%	-	13.0			0.00	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### **Notes and Definitions**

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- NPBEL CC Chain of Custody was not generated at PBELAB
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:

Bur Barron

Date: 12/27/2022

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

### Received by OCD: 11/29/2023 9:21:18 AM

#### ORDER #: lab use only Project Manager: Sampler Signature: City/State/Zip: Company Address: Company Name: Special Instructions: 100 Rankin Hwy Relinquished by Relinquished by: Relinquished by LAB # (lab use only) Auger Hole 1 Auger Hole 3 Auger Hole 3 Auger Hole 2 Auger Hole 2 Auger Hole 1 Auger Hole 6 Auger Hole 6 Auger Hole 6 Auger Hole 5 Auger Hole 4 Auger Hole 4 Auger Hole 3 Auger Hole 6 P.O. Box 62228 Etech Environmental > VHd and, 3 Blake Estep ٩ Texas 7971 FIELD CODE 1 Midland Texas 79701 Permian Basin Environmental Lab, LP 8 Safety Solutions, Inc. 12462 Date Date Date email: 12:40 Time Time Ime Start Depth Received by: Received by Received by 12" 12" 12" 12" 6 6 End Depth 24" 6 36" 24" 12" 6 6 6 Preservation & # of Containers 12/15/2022 12/15/2022 blake@etechenv.com 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 12/15/2022 Date Sampled Phone: 132-686-7235 12:02 ra 12:04 12:00 12:08 12:06 12:10 12:24 12:20 12:18 12:16 12:14 12:12 12:26 12:22 Time Sampled No. of Containers -H -1 1 Ľ Ice 1 HNO₃ HCI H₂SO₄ NaOH Na₂S₂O₃ Area: None Project #: Project Name: South Culebra Bluff 5 Battery 囚Bill Etech Report Format: STANDARD Date 121122 Other (Specify) Date Date DW=Drinking Water SL=Sludge Matrix GW = Groundwater S=Soil/Solid S S S U S S S S S S S S S S NP=Non-PotableSpecify Other 16103 TPH: 418.1 8015M 1005 1006 Time Time 7. Temperature Upon Receipt: +7 Cations (Ca, Mg, Na, K) Sample Containers Intact? VOCs Free of Headspace? Custody seals on container(s) Custody seals on cooler(s) Sar by Sampler/Client Rep. Sar by Courier? UPS Laboratory Comments TOTAL TCLP: Anions (Cl, SO4, CO3, HCO3) SAR / ESP / CEC TRRP: Project Loc: Metals: As Ag Ba Cd Cr Pb Hg Se PO#: 16103 Volatiles Analyze For: Semi volatiles Г BTEX 8021B/5030 or BTEX 8260 NPDES RCI Г N.O.R.M. Chlorides 7 $\square$ Г Lone RUSH TAT(Pre-Schedule) 24, 48, 72 hrs ZZZZZZ ô STANDARD TAT -74 BHE

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

#### Page 71 of 199

### Received by OCD: 11/29/2023 9:21:18 AM

### Page 72 of 199

lished	elinquished	Relinquished	Special Inst										0.0	18	3	111	1	LAB # (lab use only)		ORDER #:	(lab use only)		City/State/Z Sampler Sigr	Company Ac	Company Na	Proiect Man	1400 Rank	
by:	by: Dat	91-21 - Mathaland 12-16	uctions:											Auger Hole 9	Auger Hole 9	Auger Hole 8	Auger Hole 7	FIELD CODE		211/0007			ip: <u>Midland, Texas 79711</u> nature <u>: <b>Jul</b> dv</u>	Idress: P.O. Box 62228	ame: Etech Environmental &	ager: Blake Estep	in Hwy Midland Texa	J. JAN B Permian
e Time	e Time	12 12:40fm																Start Depth					email:		Safety Solution		10262 st	Basin Envi
Rec	Rec	A Not	D	$\vdash$	+	+	+	+	+	+	+	+	+	H	6	6	6	End Denth							ons,			
eived by:	)	, cived by .	bird by											2" 12/15/2022	" 12/15/2022	" 12/15/2022	" 12/15/2022	Date Sampled	Preservation & # o				blake@et		Inc.			nental Lab.
alm						+								12:34	12:32	12:30	12:28	Time Sampled	f Containers				techenv.				Phones 4	Ę
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				H														NaOH	1									
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E																				1		10		e	0	ole		
12	Dau		Dat							$\Box$								Other ( Specify)		_		port	B	ھا	e	0		
12-11-22	Date	Date	Date															Other ( Specify) DW=Drinking Water SL=Sludge	IVIa			oort Form	Bill E	a:	ject #	H		
12.1.22 1:	Date	Date	Date											S	S	S	S	Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other	IVIdETIX			port Format: S	Bill Etec	a.	ject #:	ct Nan		
12.1.22 12:0		Data Time	Date Time											s I	s s	S S	S S	Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015 1005 1	Wiatrix 006		T		Bill Etech	a:	ject #: 16:	ct Name:		
12.1.2 12:40		Data	Date Time											s to	S S	s s	S S	Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K)					Bill Etech	a:	ject #: 16103	ct Name: So	: •	
12.1.2 12:40 Tem	Sar	Ous Sam	Date Time Cust															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Apiper (CL SO4, CO3, HCO3					Bill Etech	a:	ject #: 16103	ct Name: Sout		
12.12 12:40 Tempera	Sar by C	Oustody Sample H Sarby Sarby S	Date   Time Custody															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAP / EEP / CEC		TOTAL	TCLP		Bill Etech	a:	ject #: 16103	ct Name: South C	) 	
1212 12:40 Temperature	Sar by Courie	Oustody sea Sample Hand Sample Sar hv Samp	Sample Control VOCs Free o Custody sea															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Matale: As Ag Ba Cd Cr Pb Hg		TOTAL			Bill Etech	a:	ject #: 16103 Pro	ct Name: South Cule	) - -	
12.12 12:40 Temperature Upo	Sar by Courier?	Custody seals or Sample Hand Dell	Sample Contained VOCs Free of He Custody seals on															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg	1006 3)				Bill Etech	a:	ject #: 16103 Project	ct Name: South Culebra	) - -	
12.1.1.2.10 Temperature Upon Rk	Sar by Courier?	Custody seals on cot Sample Hand Delivert Sar by Sampler/Client	Sample Containers In VOCs Free of Heads UCs Free of Heads															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles	10006				Bill Etech	a: PO#	ject #: 16103 Project L	ct Name: South Culebra Bl	- - -	
12.12.22 12.20 Temperature Upon Receip	Sar by Courier? UPS	Custody seals on cooler( Sample Hand Delivered Sar hy Sampler/Client Ren	Sample Containers Intact: VOCs Free of Headspace Oustody seals on contain															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles Semi volatiles	(0006 3)			oort Formati STANDARD I RRF.D IN Analyze	Bill Etech	a: PO#: 1t	ject #: 16103 Project Loc	ct Name: South Culebra Blutt		
12.1.1.2.2.2.10 Temperature Upon Receipt:	Sar by Courier? UPS	Custody seals on cooler(s) Sample Hand Delivered	Sample Containers Intact? VOCs Free of Headspace? Date Time Custody seals on container(s)															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 (8015) 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles Semi volatiles BTEX 8021B/S030 or BTEX 82 RCI	(006 3) (Se 260			Sont Formati STANDARD		a: PO#: 1610	ject #: 16103 Project Loc:	ct Name: South Culebra Bluff 5 E		
12. 12. 12. 10 Temperature Upon Receipt:	Sar by Courier? UPS DHL	Custody seals on cooler(s) Sample Hand Delivered	Sample Containers Intact? VOCs Free of Headspace? Qustody seals on container(s)															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles Semi volatiles BTEX 8021B/5030 or BTEX 82 RCI N.O.R.M.	(1006) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3			ort Formati STANUARUJAC TRRP: Analyze For:		a: PO#: 16103	ject #: 16103 Project Loc:	ct Name: South Culebra Bluff 5 Bati		
12-12-12 Time Upon Receipt:	Sar by Courier? UPS DHL Ft	Custody seals on cooler(s) Sample Hand Delivered	Sample Containers Intact? VOCs Free of Headspace? Custody seals on container(s)															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles Semi volatiles BTEX 8021B/5030 or BTEX 82 RCI N.O.R.M. Chlorides	3) (Se 260			Analyze For:		a: PO#: 16103	ject #: 16103 Project Loc:	ct Name: South Culebra Bluff 5 Batter		
12.1.1.2 12.2.10 Temperature Upon Receipt:	Sar by Courier? UPS DHL FedEx	Custody seals on cooler(s)	Date Time Custody seals on container(s)															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles Semi volatiles BTEX 8021B/5030 or BTEX 82 RCI N.O.R.M. Chlorides	3) (Se 260			ort Formati STANUARU, EU TRRF: U MTUES: U Analyze For:	Bill Etech	a: PO#: 16103	ject #: 16103 Project Loc:	ct Name: South Culebra Bluft 5 Battery		
12.1.1.2. 12: U Temperature Upon Receipt:	Sar by Courier? UPS DHL FedEx Lo	Custody seals on cooler(s)	Sample Containers Intact? VOCs Free of Headspace? Custody seals on container(s)															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles Semi volatiles BTEX 8021B/5030 or BTEX 82 RCI N.O.R.M. Chlorides	3) 3) 260			analyze For:		a: PO#: 16103	ject #: 16103 Project Loc:	ct Name: South Culebra Blutt 5 Battery		
12.1.1.2 2:40 Temperature Upon Receipt:	Sar by Courier? UPS DHL FedEx Lope	Custody seals on cooler(s)	Date     Time     Custody seals on container(s)     N															Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-PotableSpecify Other TPH: 418.1 8015M 1005 1 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, CO3, HCO3 SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Volatiles Semi volatiles BTEX 8021B/5030 or BTEX 82 RCI N.O.R.M. Chlorides RUSH TAT(Pre-Schedule) 24,	(0006) (5 Se (2 6 0) (5 Se	TOTAL:		Analyze For:		a: PO#: 16103	ject #: 16103 Project Loc:	ct Name: South Culebra Bluff 5 Battery		

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2
PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

# **Prepared for:**

Blake Estep E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa, TX 79765

> Project: South Culebra Bluff 5 Battery Project Number: 16103 Location: New Mexico

> > Lab Order Number: 3E16008



**Current Certification** 

Report Date: 05/30/23

E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa TX, 79765

Project: South Culebra Bluff 5 Battery Project Number: 16103 Project Manager: Blake Estep

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 1 @ 3'	3E16008-01	Soil	05/09/23 12:00	05-15-2023 15:40
Bottom Hole 2 @ 3'	3E16008-02	Soil	05/09/23 12:02	05-15-2023 15:40
Bottom Hole 3 @ 1'	3E16008-03	Soil	05/09/23 12:04	05-15-2023 15:40
Bottom Hole 4 @ 1'	3E16008-04	Soil	05/09/23 12:06	05-15-2023 15:40
Bottom Hole 5 @ 1'	3E16008-05	Soil	05/09/23 12:08	05-15-2023 15:40
Bottom Hole 6 @ 1'	3E16008-06	Soil	05/09/23 12:10	05-15-2023 15:40
Bottom Hole 7 @ 1'	3E16008-07	Soil	05/09/23 12:12	05-15-2023 15:40
Bottom Hole 8 @ 1'	3E16008-08	Soil	05/09/23 12:14	05-15-2023 15:40
Bottom Hole 9 @ 3'	3E16008-09	Soil	05/09/23 12:16	05-15-2023 15:40
Bottom Hole 10 @ 3'	3E16008-10	Soil	05/09/23 12:18	05-15-2023 15:40
Bottom Hole 11 @ 1'	3E16008-11	Soil	05/09/23 12:20	05-15-2023 15:40
Bottom Hole 12 @ 1'	3E16008-12	Soil	05/09/23 12:22	05-15-2023 15:40
North Sidewall 1 @ 10"	3E16008-13	Soil	05/09/23 12:24	05-15-2023 15:40
East Sidewall 1 @ 10"	3E16008-14	Soil	05/09/23 12:26	05-15-2023 15:40
East Sidewall 2 @ 10"	3E16008-15	Soil	05/09/23 12:28	05-15-2023 15:40
South Sidewall 1 @ 10"	3E16008-16	Soil	05/09/23 12:30	05-15-2023 15:40
West Sidewall 1 @ 10"	3E16008-17	Soil	05/09/23 12:32	05-15-2023 15:40
West Sidewall 2 @ 10"	3E16008-18	Soil	05/09/23 12:34	05-15-2023 15:40

These samles were Taken on 05/09/2023 and delivered on05/15/2023. They were initially put on the instrument May 19th. During that evenings run, the Autosampler for the BTEX GC had a catastropic failure. It wasn't until May 24 that the Autosampler was repaired. These samples expired on May 23. They had been repreped from frozen samples and analyzed. There was no detectable BTEX in these samples. Therefore, there should be no appreciable effects to the data.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: South Culebra Bluff 5 Battery	
13000 West County Road 100	Project Number: 16103	
Odessa TX, 79765	Project Manager: Blake Estep	

## Bottom Hole 1 @ 3'

3E16008-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental ]	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	· 1	P3E1903	05/19/23 09:50	05/25/23 04:25	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 04:25	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 04:25	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 04:25	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 04:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P3E1903	05/19/23 09:50	05/25/23 04:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.2 %	80-120		P3E1903	05/19/23 09:50	05/25/23 04:25	EPA 8021B	
Total Petroleum Hydrocarbons C	6-C35 by EPA	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	· 1	P3E1802	05/18/23 09:30	05/24/23 10:51	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 10:51	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 10:51	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P3E1802	05/18/23 09:30	05/24/23 10:51	TPH 8015M	
Surrogate: o-Terphenyl		121 %	70-130		P3E1802	05/18/23 09:30	05/24/23 10:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 10:51	calc	
General Chemistry Parameters b	y EPA / Stand	lard Met	hods						
Chloride	86.4	1.03	mg/kg dry	1	P3E1906	05/19/23 12:00	05/20/23 16:32	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Soluti 13000 West County Road 100		Project	Project: t Number:	South Culebr 16103	a Bluff 5 Battery				
Odessa TX, 79765			Project	Manager:	Blake Estep				
			В	ottom H	ole 2 @ 3'				
				3E16008	-02 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 04:46	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 04:46	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 04:46	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 04:46	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 04:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P3E1903	05/19/23 09:50	05/25/23 04:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.4 %	80-120		P3E1903	05/19/23 09:50	05/25/23 04:46	EPA 8021B	
Total Petroleum Hydrocarbons C6	5-C35 by EP.	A Method	8015M						
C6-C12	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 11:14	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 11:14	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 11:14	TPH 8015M	
Surrogate: 1-Chlorooctane		94.8 %	70-130		P3E1802	05/18/23 09:30	05/24/23 11:14	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P3E1802	05/18/23 09:30	05/24/23 11:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 11:14	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	23.1	1.04	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 19:21	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100		Project	Project: t Number:	South Culebr 16103	a Bluff 5 Battery				
Odessa TX, 79765			Project	Manager:	Blake Estep				
			В	ottom H	ole 3 @ 1'				
				3E16008	-03 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 05:06	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 05:06	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 05:06	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 05:06	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E1903	05/19/23 09:50	05/25/23 05:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.1 %	80-120		P3E1903	05/19/23 09:50	05/25/23 05:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P3E1903	05/19/23 09:50	05/25/23 05:06	EPA 8021B	
Total Petroleum Hydrocarbons C6	5-C35 by EP.	A Method	l 8015M						
C6-C12	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 11:37	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 11:37	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 11:37	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-130		P3E1802	05/18/23 09:30	05/24/23 11:37	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P3E1802	05/18/23 09:30	05/24/23 11:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 11:37	calc	
General Chemistry Parameters by	<u>v EPA / Stan</u>	dard <u>Met</u>	hods						
Chloride	11.7	1.03	mg/kg dry	1	P3E1907	05/22/23 14:14	05/22/23 20:04	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100		Projec	Project: t Number:	South Culebr 16103	a Bluff 5 Battery				
Odessa TX, 79765			Project	Manager:	Blake Estep				
			В	ottom H	ole 4 @ 1'				
				3E16008	-04 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 05:27	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 05:27	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 05:27	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 05:27	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	/ 1	P3E1903	05/19/23 09:50	05/25/23 05:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P3E1903	05/19/23 09:50	05/25/23 05:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	80-120		P3E1903	05/19/23 09:50	05/25/23 05:27	EPA 8021B	
Total Petroleum Hydrocarbons C6	5-C35 by EP.	A Method	l 8015M						
C6-C12	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 12:01	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 12:01	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 12:01	TPH 8015M	
Surrogate: 1-Chlorooctane		98.7 %	70-130		P3E1802	05/18/23 09:30	05/24/23 12:01	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P3E1802	05/18/23 09:30	05/24/23 12:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 12:01	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	4.18	1.04	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 20:18	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
L			В	ottom H	ole 5 @ 1'				
				3E16008	-05 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3E2404	05/24/23 09:19	05/24/23 18:27	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3E2404	05/24/23 09:19	05/24/23 18:27	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3E2404	05/24/23 09:19	05/24/23 18:27	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3E2404	05/24/23 09:19	05/24/23 18:27	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3E2404	05/24/23 09:19	05/24/23 18:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.3 %	80-120		P3E2404	05/24/23 09:19	05/24/23 18:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.7 %	80-120		P3E2404	05/24/23 09:19	05/24/23 18:27	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	26.9	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 12:24	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 12:24	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 12:24	TPH 8015M	
Surrogate: 1-Chlorooctane		95.6 %	70-130		P3E1802	05/18/23 09:30	05/24/23 12:24	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P3E1802	05/18/23 09:30	05/24/23 12:24	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 12:24	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	194	1.08	mg/kg dry	1	P3E1907	05/22/23 14:14	05/22/23 20:33	EPA 300.0	
% Moisture	7.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100		Projec	Project: t Number:	South Culebr 16103	a Bluff 5 Battery				
Odessa TX, 79765			Project	Manager:	Blake Estep				
			В	ottom H	ole 6 @ 1'				
				3E16008	-06 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 18:48	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 18:48	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 18:48	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 18:48	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 18:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.3 %	80-120		P3E2404	05/24/23 09:19	05/24/23 18:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.5 %	80-120		P3E2404	05/24/23 09:19	05/24/23 18:48	EPA 8021B	
Total Petroleum Hydrocarbons C6	6-C35 by EP.	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 12:48	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 12:48	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 12:48	TPH 8015M	
Surrogate: 1-Chlorooctane		97.6 %	70-130		P3E1802	05/18/23 09:30	05/24/23 12:48	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P3E1802	05/18/23 09:30	05/24/23 12:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 12:48	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	8.12	1.03	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 20:47	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100		Projec	Project: t Number:	South Culebr 16103	a Bluff 5 Battery				
Odessa TX, 79765			Project	Manager:	Blake Estep				
			В	ottom H	ole 7 @ 1'				
				3E16008	-07 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:08	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:08	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:08	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:08	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	80-120		P3E2404	05/24/23 09:19	05/24/23 19:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		85.0 %	80-120		P3E2404	05/24/23 09:19	05/24/23 19:08	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	l 8015M						
C6-C12	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:11	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:11	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:11	TPH 8015M	
Surrogate: 1-Chlorooctane		95.8 %	70-130		P3E1802	05/18/23 09:30	05/24/23 13:11	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P3E1802	05/18/23 09:30	05/24/23 13:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	/ 1	[CALC]	05/18/23 09:30	05/24/23 13:11	calc	
General Chemistry Parameters by	EPA / Stan	<u>dard Met</u>	hods						
Chloride	10.1	1.03	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 21:01	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100		Project	Project: t Number:	South Culebr 16103	a Bluff 5 Battery				
Odessa TX, 79765			Project	Manager:	Blake Estep				
			В	ottom H	ole 8 @ 1'				
				3E16008	-08 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:29	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:29	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:29	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:29	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	/ 1	P3E2404	05/24/23 09:19	05/24/23 19:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.9 %	80-120		P3E2404	05/24/23 09:19	05/24/23 19:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.1 %	80-120		P3E2404	05/24/23 09:19	05/24/23 19:29	EPA 8021B	
<u>Total Petroleum Hydrocarbons C6</u>	-C35 by EP.	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:35	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:35	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:35	TPH 8015M	
Surrogate: 1-Chlorooctane		95.9 %	70-130		P3E1802	05/18/23 09:30	05/24/23 13:35	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P3E1802	05/18/23 09:30	05/24/23 13:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 13:35	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	12.1	1.03	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 21:15	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti	ons, Inc. [1]		D ·	Project:	South Culebr	a Bluff 5 Battery			
13000 West County Road 100			Projec	t Number:	16103 Dialea Estar				
Odessa IX, 79765			Project	Manager:	Blake Estep				
			В	ottom H	ole 9 @ 3'				
				3E16008	-09 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00100	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 20:21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 20:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 20:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 20:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 20:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.1 %	80-120		P3E2606	05/26/23 13:46	05/26/23 20:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.3 %	80-120		P3E2606	05/26/23 13:46	05/26/23 20:21	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP.	A Method	I 8015M						
C6-C12	ND	25.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:58	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:58	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 13:58	TPH 8015M	
Surrogate: 1-Chlorooctane		98.8 %	70-130		P3E1802	05/18/23 09:30	05/24/23 13:58	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P3E1802	05/18/23 09:30	05/24/23 13:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 13:58	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	155	1.00	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 21:30	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Projec	Project: t Number: Manager:	South Culebr 16103 Blake Ester	a Bluff 5 Battery			
Oucosa 1A, 77705			110jeet	managel.	Blake Estep				
			Bo	ottom He	ole 10 @ 3'				
				3E16008	-10 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	lab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00103	mg/kg dry	′ 1	P3E2606	05/26/23 13:46	05/26/23 20:41	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:41	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:41	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:41	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 20:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.8 %	80-120		P3E2606	05/26/23 13:46	05/26/23 20:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.9 %	80-120		P3E2606	05/26/23 13:46	05/26/23 20:41	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	l 8015M						
C6-C12	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 14:22	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 14:22	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 14:22	TPH 8015M	
Surrogate: 1-Chlorooctane		98.6 %	70-130		P3E1802	05/18/23 09:30	05/24/23 14:22	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P3E1802	05/18/23 09:30	05/24/23 14:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 14:22	calc	
General Chemistry Parameters by	EPA / Stan	<u>dard Met</u>	hods						
Chloride	108	1.03	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 21:44	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Projec Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
			В	ottom He	ole 11 @ 1'				
				3E16008	-11 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:02	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:02	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:02	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:02	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	80-120		P3E2606	05/26/23 13:46	05/26/23 21:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.0 %	80-120		P3E2606	05/26/23 13:46	05/26/23 21:02	EPA 8021B	
Total Petroleum Hydrocarbons C6-	-C35 by EP.	A Method	l 8015 <u>M</u>						
C6-C12	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 15:32	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 15:32	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 15:32	TPH 8015M	
Surrogate: 1-Chlorooctane		99.4 %	70-130		P3E1802	05/18/23 09:30	05/24/23 15:32	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P3E1802	05/18/23 09:30	05/24/23 15:32	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 15:32	calc	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	74.2	1.03	mg/kg dry	1	P3E1907	05/22/23 14:14	05/22/23 21:58	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Projec Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
			Bo	ottom H	ole 12 @ 1'				
				3E16008	-12 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	lab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00104	mg/kg dry	′ 1	P3E2606	05/26/23 13:46	05/26/23 21:22	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:22	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:22	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:22	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.7 %	80-120		P3E2606	05/26/23 13:46	05/26/23 21:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/26/23 21:22	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP.	A Method	l 8015M						
C6-C12	ND	26.0	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 15:55	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 15:55	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 15:55	TPH 8015M	
Surrogate: 1-Chlorooctane		95.6%	70-130		P3E1802	05/18/23 09:30	05/24/23 15:55	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P3E1802	05/18/23 09:30	05/24/23 15:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 15:55	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	322	1.04	mg/kg dry	1	P3E1907	05/22/23 14:14	05/22/23 22:41	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	ra Bluff 5 Battery			
L			Nor	th Sidev 3E16008	wall 1 @ 10 -13 (Soil)	,,			
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental I	Lab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:43	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:43	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	· 1	P3E2606	05/26/23 13:46	05/26/23 21:43	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:43	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 21:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.6 %	80-120		P3E2606	05/26/23 13:46	05/26/23 21:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/26/23 21:43	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	I 8015M						
C6-C12	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 16:18	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 16:18	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 16:18	TPH 8015M	
Surrogate: 1-Chlorooctane		122 %	70-130		P3E1802	05/18/23 09:30	05/24/23 16:18	TPH 8015M	
Surrogate: o-Terphenyl		139 %	70-130		P3E1802	05/18/23 09:30	05/24/23 16:18	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 16:18	calc	
General Chemistry Parameters by	EPA / Stan	dard Met	hods						
Chloride	127	1.03	mg/kg dry	1	P3E1907	05/22/23 14:14	05/22/23 23:24	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100	ns, Inc. [1]		Projec	Project: t Number:	South Culebr 16103	a Bluff 5 Battery			
Odessa TX, 79765			Project	Manager:	Blake Estep				
			Ea	st Sidew	all 1 @ 10''	,			
r				3E16008	-14 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	.ab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 22:03	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 22:03	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 22:03	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 22:03	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 22:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.6 %	80-120		P3E2606	05/26/23 13:46	05/26/23 22:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/26/23 22:03	EPA 8021B	
Total Petroleum Hydrocarbons C6-0	C35 by EP.	A Method	l 8015M						
C6-C12	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 16:42	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 16:42	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 16:42	TPH 8015M	
Surrogate: 1-Chlorooctane		97.9 %	70-130		P3E1802	05/18/23 09:30	05/24/23 16:42	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P3E1802	05/18/23 09:30	05/24/23 16:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 16:42	calc	
General Chemistry Parameters by H	EPA / Stan	dard Met	hods						
Chloride	93.2	1.03	mg/kg dry	1	P3E1907	05/22/23 14:14	05/22/23 23:38	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Solution	ons, Inc. [1]		Ducier	Project:	South Culebr	a Bluff 5 Battery			
Odessa TX, 79765			Project	Manager:	Blake Estep				
,				6	-1				
			Ea	st Sidew	all 2 @ 10'	1			
				3E16008	-15 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	lab, L.P.			
BTEX by 8021B									<u>O-04</u>
Benzene	ND	0.00103	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:05	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:05	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:05	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:05	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/26/23 23:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.2 %	80-120		P3E2606	05/26/23 13:46	05/26/23 23:05	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP.	A Method	l 8015M						
C6-C12	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 17:05	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 17:05	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 17:05	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P3E1802	05/18/23 09:30	05/24/23 17:05	TPH 8015M	
Surrogate: o-Terphenyl		132 %	70-130		P3E1802	05/18/23 09:30	05/24/23 17:05	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 17:05	calc	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	70.9	1.03	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/22/23 23:52	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100	ns, Inc. [1]		Projec	Project: t Number:	South Culebr 16103	a Bluff 5 Battery			
Odessa TX, 79765			Project	Manager:	Blake Estep				
			Sou	th Sidew	vall 1 @ 10	"			
				3E16008	-16 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental I	lab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00104	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:26	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:26	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:26	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:26	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	/ 1	P3E2606	05/26/23 13:46	05/26/23 23:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/26/23 23:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.5 %	80-120		P3E2606	05/26/23 13:46	05/26/23 23:26	EPA 8021B	
Total Petroleum Hydrocarbons C6-	C35 by EP	A Method	l 8015M						
C6-C12	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 17:29	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 17:29	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	/ 1	P3E1802	05/18/23 09:30	05/24/23 17:29	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-130		P3E1802	05/18/23 09:30	05/24/23 17:29	TPH 8015M	
Surrogate: o-Terphenyl		137 %	70-130		P3E1802	05/18/23 09:30	05/24/23 17:29	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 17:29	calc	
General Chemistry Parameters by I	EPA / Stand	dard Met	hods						
Chloride	37.3	1.04	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/23/23 00:07	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Soluti	ons, Inc. [1]		Project	Project:	South Culebr	a Bluff 5 Battery			
Odessa TX, 79765			Project	Manager:	Blake Estep				
L			Wa	st Sidow	all 1 @ 10!	,			
			we	3E16000	17 (Soil)				
				3E10008	-17 (501)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
BTEX by 8021B									<u>O-04</u>
Benzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 23:46	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 23:46	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 23:46	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 23:46	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/26/23 23:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/26/23 23:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/26/23 23:46	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP.	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 17:52	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 17:52	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 17:52	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P3E1802	05/18/23 09:30	05/24/23 17:52	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P3E1802	05/18/23 09:30	05/24/23 17:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 17:52	calc	
General Chemistry Parameters by	EPA / Stand	lard <u>Met</u>	hods						
Chloride	61.9	1.03	mg/kg dry	/ 1	P3E1907	05/22/23 14:14	05/23/23 00:21	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Solution 13000 West County Road 100	is, Inc. [1]		Project	Project: t Number:	South Culebr 16103	a Bluff 5 Battery			
Odessa TX, 79765			Project	Manager:	Blake Estep				
			We	st Sidew	all 2 @ 10'	,			
				3E16008	-18 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
BTEX by 8021B									<b>O-04</b>
Benzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/27/23 00:07	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/27/23 00:07	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/27/23 00:07	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3E2606	05/26/23 13:46	05/27/23 00:07	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3E2606	05/26/23 13:46	05/27/23 00:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3E2606	05/26/23 13:46	05/27/23 00:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P3E2606	05/26/23 13:46	05/27/23 00:07	EPA 8021B	
Total Petroleum Hydrocarbons C6-C	C35 by EP.	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 18:15	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 18:15	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3E1802	05/18/23 09:30	05/24/23 18:15	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P3E1802	05/18/23 09:30	05/24/23 18:15	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P3E1802	05/18/23 09:30	05/24/23 18:15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/18/23 09:30	05/24/23 18:15	calc	
General Chemistry Parameters by E	PA / Stan	dard Met	hods						
Chloride	45.6	1.03	mg/kg dry	1	P3E1907	05/22/23 14:14	05/23/23 00:35	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3E1701	05/17/23 08:35	05/17/23 08:45	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD Limit	Notes
	1105411	Limit	0.1110	2000	resure		2		Linin	1.000
Batch P3E1903 - *** DEFAULT PREP ***										
Blank (P3E1903-BLK1)				Prepared: 0	05/19/23 At	nalyzed: 05	/24/23			
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100								
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.8	80-120			
LCS (P3E1903-BS1)				Prepared: 0	)5/19/23 Ai	nalyzed: 05	/24/23			
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.104	0.00100		0.100		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.6	80-120			
LCS Dup (P3E1903-BSD1)				Prepared: (	)5/19/23 Ai	nalyzed: 05	/24/23			
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120	0.360	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	0.986	20	
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120	0.273	20	
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120	0.0580	20	
Xylene (o)	0.103	0.00100		0.100		103	80-120	0.628	20	
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.4	80-120			
Calibration Blank (P3E1903-CCB1)				Prepared: 0	)5/19/23 Ai	nalyzed: 05	/24/23			
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00									
Xylene (p/m)	0.110									
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.7	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E1903 - *** DEFAULT PREP ***										
Calibration Blank (P3E1903-CCB2)				Prepared: 0	)5/19/23 Aı	nalyzed: 05	/25/23			
Benzene	0.00		ug/kg							
Toluene	0.00									
Ethylbenzene	0.00									
Xylene (p/m)	0.110									
Xylene (o)	0.00									
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.2	80-120			
Calibration Check (P3E1903-CCV1)				Prepared: (	)5/19/23 Ai	nalyzed: 05	/24/23			
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.107	0.00100		0.100		107	80-120			
Ethylbenzene	0.0972	0.00100	"	0.100		97.2	80-120			
Xylene (p/m)	0.193	0.00200		0.200		96.5	80-120			
Xylene (o)	0.101	0.00100		0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.0972		"	0.120		81.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.0896		"	0.120		74.6	75-125			
Calibration Check (P3E1903-CCV2)				Prepared: 0	)5/19/23 At	nalyzed: 05	/25/23			
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.118	0.00100		0.100		118	80-120			
Ethylbenzene	0.113	0.00100		0.100		113	80-120			
Xylene (p/m)	0.219	0.00200		0.200		110	80-120			
Xylene (o)	0.110	0.00100		0.100		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.3	75-125			
Calibration Check (P3E1903-CCV3)				Prepared: 0	)5/19/23 At	nalyzed: 05	/25/23			
Benzene	0.118	0.00100	mg/kg	0.100		118	80-120			
Toluene	0.114	0.00100		0.100		114	80-120			
Ethylbenzene	0.107	0.00100		0.100		107	80-120			
Xylene (p/m)	0.208	0.00200		0.200		104	80-120			
Xylene (o)	0.106	0.00100		0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.7	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch P3E1903 - *** DEFAULT PREP ***

Matrix Spike (P3E1903-MS1)	Sour	ce: 3E15003	-23	Prepared: 0	5/19/23 A	nalyzed: 05	5/25/23			
Benzene	0.123	0.00110	mg/kg dry	0.110	ND	112	80-120			
Toluene	0.111	0.00110	"	0.110	ND	101	80-120			
Ethylbenzene	0.0989	0.00110	"	0.110	ND	90.0	80-120			
Xylene (p/m)	0.185	0.00220	"	0.220	ND	84.0	80-120			
Xylene (o)	0.0920	0.00110	"	0.110	ND	83.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.144		"	0.132		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.130		"	0.132		98.3	80-120			
Matrix Spike Dup (P3E1903-MSD1)	Sour	ce: 3E15003	-23	Prepared: 0	5/19/23 A	nalyzed: 05	5/25/23			
Benzene	0.121	0.00110	mg/kg dry	0.110	ND	110	80-120	1.21	20	
Toluene	0.111	0.00110	"	0.110	ND	101	80-120	0.208	20	
Ethylbenzene	0.0979	0.00110	"	0.110	ND	89.1	80-120	1.02	20	
Xylene (p/m)	0.184	0.00220	"	0.220	ND	83.8	80-120	0.203	20	
Xylene (o)	0.0914	0.00110		0.110	ND	83.2	80-120	0.671	20	
Surrogate: 4-Bromofluorobenzene	0.144		"	0.132		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.129		"	0.132		97.9	80-120			

#### Batch P3E2404 - *** DEFAULT PREP ***

Blank (P3E2404-BLK1)	Prepared & Analy	yzed: 05/24/23					
Benzene	ND	0.00100	mg/kg				
Toluene	ND	0.00100	"				
Ethylbenzene	ND	0.00100	"				
Xylene (p/m)	ND	0.00200	"				
Xylene (o)	ND	0.00100	"				
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120	96.8	80-120	
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120	94.2	80-120	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian E	Basin	Environmental	Lab,	L.P.
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		Reporting		Snike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E2404 - *** DEFAULT PREP ***										
LCS (P3E2404-BS1)				Prepared &	Analyzed:	05/24/23				
Benzene	0.119	0.00100	mg/kg	0.100	•	119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.223	0.00200		0.200		111	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.0	80-120			
LCS Dup (P3E2404-BSD1)				Prepared &	Analyzed:	05/24/23				
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120	0.662	20	
Toluene	0.117	0.00100	"	0.100		117	80-120	0.0772	20	
Ethylbenzene	0.118	0.00100		0.100		118	80-120	0.203	20	
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120	0.0135	20	
Xylene (o)	0.110	0.00100		0.100		110	80-120	0.677	20	
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.9	80-120			
Calibration Blank (P3E2404-CCB1)				Prepared &	Analyzed:	05/24/23				
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.1	80-120			
Calibration Blank (P3E2404-CCB2)				Prepared &	Analyzed:	05/24/23				
Benzene	0.00		ug/kg							
Toluene	0.00									
Ethylbenzene	0.110									
Xylene (p/m)	0.120									
Xylene (o)	0.00									
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.5	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

# BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E2404 - *** DEFAULT PREP ***										
Calibration Blank (P3E2404-CCB3)				Prepared &	Analyzed:	05/24/23				
Benzene	0.00		ug/kg							
Toluene	0.00									
Ethylbenzene	0.00									
Xylene (p/m)	0.110									
Xylene (o)	0.00									
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		93.8	80-120			
Calibration Check (P3E2404-CCV1)				Prepared &	Analyzed:	05/24/23				
Benzene	0.118	0.00100	mg/kg	0.100		118	80-120			
Toluene	0.111	0.00100		0.100		111	80-120			
Ethylbenzene	0.105	0.00100		0.100		105	80-120			
Xylene (p/m)	0.212	0.00200		0.200		106	80-120			
Xylene (o)	0.106	0.00100		0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	75-125			
Calibration Check (P3E2404-CCV2)				Prepared &	Analyzed:	05/24/23				
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.109	0.00100		0.100		109	80-120			
Ethylbenzene	0.101	0.00100		0.100		101	80-120			
Xylene (p/m)	0.202	0.00200		0.200		101	80-120			
Xylene (o)	0.103	0.00100		0.100		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.9	75-125			
Calibration Check (P3E2404-CCV3)				Prepared &	z Analyzed:	05/24/23				
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.107	0.00100		0.100		107	80-120			
Ethylbenzene	0.0972	0.00100		0.100		97.2	80-120			
Xylene (p/m)	0.193	0.00200		0.200		96.5	80-120			
Xylene (o)	0.101	0.00100		0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.0972		"	0.120		81.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.0896		"	0.120		74.6	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch P3E2404 - *** DEFAULT PREP ***

Matrix Spike (P3E2404-MS1)	Sour	ce: 3E22016	-01	Prepared &	Analyzed:	05/24/23				
Benzene	0.106	0.00101	mg/kg dry	0.101	ND	104	80-120			
Toluene	0.0803	0.00101	"	0.101	ND	79.5	80-120			
Ethylbenzene	0.0687	0.00101	"	0.101	ND	68.0	80-120			
Xylene (p/m)	0.128	0.00202	"	0.202	ND	63.4	80-120			
Xylene (o)	0.0645	0.00101	"	0.101	ND	63.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.121		86.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.121		97.4	80-120			
Matrix Spike Dup (P3E2404-MSD1)	Sour	ce: 3E22016	-01	Prepared &	Analyzed:	05/24/23				
Benzene	0.120	0.00101	mg/kg dry	0.101	ND	119	80-120	12.8	20	
Toluene	0.0943	0.00101	"	0.101	ND	93.3	80-120	16.0	20	
Ethylbenzene	0.0813	0.00101	"	0.101	ND	80.5	80-120	16.8	20	
Xylene (p/m)	0.152	0.00202	"	0.202	ND	75.0	80-120	16.7	20	
Xylene (o)	0.0766	0.00101	"	0.101	ND	75.8	80-120	17.2	20	
Surrogate: 1,4-Difluorobenzene	0.119		"	0.121		98.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.121		87.8	80-120			

#### Batch P3E2606 - *** DEFAULT PREP ***

Blank (P3E2606-BLK1)				Prepared & Anal	yzed: 05/26/23		
Benzene	ND	0.00100	mg/kg				
Toluene	ND	0.00100					
Ethylbenzene	ND	0.00100					
Xylene (p/m)	ND	0.00200					
Xylene (o)	ND	0.00100					
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120	86.0	80-120	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120	96.7	80-120	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian	Basin	Environmental	Lab,	L.P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batab D3F7606 *** DFFAULT DDFD ***										
LOS (DEPAGE DEI)				D 10	A 1 1	05/26/22				
LUS (P3E2606-BS1)	0.117	0.00100		Prepared &	Analyzed:	05/26/23	00.100			
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Totuene	0.105	0.00100		0.100		105	80-120			
Ethylbenzene	0.108	0.00100		0.100		108	80-120			
Xylene (p/m)	0.200	0.00200		0.200		100	80-120			
Xylene (o)	0.0969	0.00100		0.100		96.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			
LCS Dup (P3E2606-BSD1)				Prepared &	Analyzed:	05/26/23				
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	1.52	20	
Toluene	0.110	0.00100		0.100		110	80-120	4.39	20	
Ethylbenzene	0.114	0.00100		0.100		114	80-120	5.19	20	
Xylene (p/m)	0.210	0.00200		0.200		105	80-120	5.05	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	4.25	20	
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			
Calibration Blank (P3E2606-CCB1)				Prepared &	Analyzed:	05/26/23				
Benzene	0.00		ug/kg		2					
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.8	80-120			
Calibration Blank (P3E2606-CCB2)				Prepared &	Analyzed:	05/26/23				
Benzene	0.00		ug/kg	-						
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.3	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian B	asin Er	nvironmental	Lab,	L.I	P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E2606 - *** DEFAULT PREP ***										
Calibration Check (P3E2606-CCV1)				Prepared 8	& Analyzed:	05/26/23				
Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.0898	0.00100	"	0.100		89.8	80-120			
Ethylbenzene	0.0874	0.00100	"	0.100		87.4	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.1	80-120			
Xylene (o)	0.0846	0.00100	"	0.100		84.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.6	75-125			
Calibration Check (P3E2606-CCV2)				Prepared 8	د Analyzed:	05/26/23				
Benzene	0.115	0.00100	mg/kg	0.100		115	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Calibration Check (P3E2606-CCV3)				Prepared: (	05/26/23 Ai	nalyzed: 05	5/27/23			
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	75-125			
Matrix Spike (P3E2606-MS1)	So	urce: 3E22011	-01	Prepared: (	05/26/23 Ai	nalyzed: 05	5/27/23			
Benzene	0.0864	0.00102	mg/kg dry	0.102	ND	84.7	80-120			
Toluene	0.0762	0.00102	"	0.102	0.00434	70.4	80-120			QM-05
Ethylbenzene	0.0707	0.00102	"	0.102	0.0109	58.6	80-120			QM-05
Xylene (p/m)	0.127	0.00204	"	0.204	0.116	5.54	80-120			QM-05
Xylene (o)	0.0602	0.00102	"	0.102	0.0412	18.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.130		"	0.122		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.122		104	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch P3E2606 - *** DEFAULT PREP ***

Matrix Spike Dup (P3E2606-MSD1)	Sou	rce: 3E22011	-01	Prepared:	05/26/23 An	alyzed: 0	5/27/23			
Benzene	0.0924	0.00102	mg/kg dry	0.102	ND	90.6	80-120	6.69	20	
Toluene	0.0809	0.00102	"	0.102	0.00434	75.0	80-120	6.36	20	QM-05
Ethylbenzene	0.0718	0.00102	"	0.102	0.0109	59.6	80-120	1.76	20	QM-05
Xylene (p/m)	0.129	0.00204	"	0.204	0.116	6.35	80-120	13.5	20	QM-05
Xylene (o)	0.0596	0.00102	"	0.102	0.0412	18.0	80-120	3.34	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.129		"	0.122		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.122		103	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

#### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E1802 - TX 1005										
Blank (P3E1802-BLK1)				Prepared: (	05/18/23 At	nalyzed: 05	/24/23			
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	62.6		"	50.0		125	70-130			
LCS (P3E1802-BS1)				Prepared: (	05/18/23 At	nalyzed: 05	/24/23			
C6-C12	1150	25.0	mg/kg	1000		115	75-125			
>C12-C28	1010	25.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	64.3		"	50.0		129	70-130			
LCS Dup (P3E1802-BSD1)				Prepared: (	05/18/23 Ai	nalyzed: 05	/24/23			
C6-C12	1110	25.0	mg/kg	1000		111	75-125	4.16	20	
>C12-C28	971	25.0	"	1000		97.1	75-125	4.10	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	61.7		"	50.0		123	70-130			
Calibration Check (P3E1802-CCV1)				Prepared: (	05/18/23 Ai	nalyzed: 05	/24/23			
C6-C12	530	25.0	mg/kg	500		106	85-115			
>C12-C28	524	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	62.8		"	50.0		126	70-130			
Calibration Check (P3E1802-CCV2)				Prepared: (	05/18/23 Ai	nalyzed: 05	/24/23			
C6-C12	535	25.0	mg/kg	500		107	85-115			
>C12-C28	528	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenvl	64.1		"	50.0		128	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E1802 - TX 1005										
Duplicate (P3E1802-DUP1)	Sourc	e: 3E16011	-02	Prepared: (	05/18/23 A	nalyzed: 05	5/25/23			
C6-C12	1730	258	mg/kg dry		175			163	20	R3
>C12-C28	39000	258	"		3870			164	20	R3
Surrogate: 1-Chlorooctane	97.2		"	103		94.3	70-130			
Surrogate: o-Terphenyl	62.1		"	51.5		120	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian	Basin	Environmental	Lab,	L.P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E1701 - *** DEFAULT PREP ***										
Blank (P3E1701-BLK1)				Prepared &	Analyzed:	05/17/23				
% Moisture	ND	0.1	%							
Blank (P3E1701-BLK2)				Prepared &	Analyzed:	05/17/23				
% Moisture	ND	0.1	%							
Blank (P3E1701-BLK3)				Prepared &	Analyzed:	05/17/23				
% Moisture	ND	0.1	%							
Blank (P3E1701-BLK4)				Prepared &	Analyzed:	05/17/23				
% Moisture	ND	0.1	%							
Blank (P3E1701-BLK5)				Prepared &	Analyzed:	05/17/23				
% Moisture	ND	0.1	%							
Duplicate (P3E1701-DUP1)	Sou	rce: 3E16001-	10	Prepared &	Analyzed:	05/17/23				
% Moisture	8.0	0.1	%		10.0			22.2	20	R
Duplicate (P3E1701-DUP2)	Sou	rce: 3E16001-	20	Prepared &	Analyzed:	05/17/23				
% Moisture	8.0	0.1	%		7.0			13.3	20	
Duplicate (P3E1701-DUP3)	Sou	rce: 3E16001-	35	Prepared &	Analyzed:	05/17/23				
% Moisture	14.0	0.1	%		13.0			7.41	20	
Duplicate (P3E1701-DUP4)	Source: 3E16002-07		Prepared &	Analyzed:	05/17/23					
% Moisture	16.0	0.1	%	*	15.0			6.45	20	
Duplicate (P3E1701-DUP5)	Sou	rce: 3E16007-	01	Prepared &	Analyzed:	05/17/23				
% Moisture	11.0	0.1	%	1	12.0			8.70	20	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E1701 - *** DEFAULT PREP ***										
Duplicate (P3E1701-DUP6)	Sou	rce: 3E16008-	01	Prepared &	analyzed:	: 05/17/23				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P3E1701-DUP7)	Sou	rce: 3E16008-	16	Prepared &	& Analyzed:	: 05/17/23				
% Moisture	3.0	0.1	%		4.0			28.6	20	R
Duplicate (P3E1701-DUP8)	Source: 3E16013-01		Prepared &	2 Analyzed:	: 05/17/23					
% Moisture	31.0	0.1	%	*	33.0			6.25	20	
Duplicate (P3E1701-DUP9)	Sou	rce: 3E16017-	04	Prepared &	analyzed:	: 05/17/23				
% Moisture	3.0	0.1	%		4.0			28.6	20	R
Duplicate (P3E1701-DUPA)	Source: 3E16019-04		Prepared &	& Analyzed:	: 05/17/23					
% Moisture	7.0	0.1	%		7.0			0.00	20	
Batch P3E1906 - *** DEFAULT PREP ***										
Blank (P3E1906-BLK1)				Prepared: (	05/19/23 A	nalyzed: 05	5/20/23			
Chloride	ND	1.00	mg/kg							
LCS (P3E1906-BS1)				Prepared: (	05/19/23 A	nalyzed: 05	5/20/23			
Chloride	18.2		mg/kg	20.0		90.8	90-110			
LCS Dup (P3E1906-BSD1)				Prepared:	05/19/23 A	nalyzed: 05	5/20/23			
Chloride	19.3		mg/kg	20.0		96.5	90-110	6.06	10	
Calibration Check (P3E1906-CCV1)				Prepared: (	Prepared: 05/19/23 Analyzed: 05/20/23					
Chloride	19.2		mg/kg	20.0		96.1	90-110			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E1906 - *** DEFAULT PREP ***										
Calibration Check (P3E1906-CCV2)				Prepared: (	05/19/23 A	nalyzed: 05	/20/23			
Chloride	19.4		mg/kg	20.0		97.0	90-110			
Calibration Check (P3E1906-CCV3)				Prepared: (	05/19/23 A	nalyzed: 05	/20/23			
Chloride	19.3		mg/kg	20.0		96.4	90-110			
Matrix Spike (P3E1906-MS1)	Sou	rce: 3E16003-	02	Prepared: (	05/19/23 A	nalyzed: 05	/20/23			
Chloride	111		mg/kg	100	8.42	103	80-120			
Matrix Spike (P3E1906-MS2)	Source: 3E16007-02		Prepared: 05/19/23 Analyzed: 05/20/23			/20/23				
Chloride	121		mg/kg	100	17.2	104	80-120			
Matrix Spike Dup (P3E1906-MSD1)	Sou	rce: 3E16003-	02	Prepared: 05/19/23 Analyzed: 05/20/23						
Chloride	111		mg/kg	100	8.42	102	80-120	0.0730	20	
Matrix Spike Dup (P3E1906-MSD2)	Sou	rce: 3E16007-	02	Prepared: 05/19/23 Analyzed: 05/20/23						
Chloride	120		mg/kg	100	17.2	103	80-120	1.16	20	
Batch P3E1907 - *** DEFAULT PREP ***										
Blank (P3E1907-BLK1)				Prepared &	k Analyzed:	05/22/23				
Chloride	ND	1.00	mg/kg							
LCS (P3E1907-BS1)				Prepared &	د Analyzed:	05/22/23				
Chloride	18.2		mg/kg	20.0		91.1	90-110			
LCS Dup (P3E1907-BSD1)				Prepared &	analyzed:	05/22/23				
Chloride	18.7		mg/kg	20.0		93.7	90-110	2.85	10	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

## Permian Basin Environmental Lab, L.P.

		Donorting		Spiles	Source		%PEC		רופס	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3E1907 - *** DEFAULT PREP ***										
Calibration Check (P3E1907-CCV1)				Prepared &	Analyzed:	05/22/23				
Chloride	19.1		mg/kg	20.0		95.5	90-110			
Calibration Check (P3E1907-CCV2)				Prepared &	Analyzed:	05/22/23				
Chloride	18.9		mg/kg	20.0		94.5	90-110			
Matrix Spike (P3E1907-MS1)	Sour	ce: 3E16008-	02	Prepared &	Analyzed:	05/22/23				
Chloride	48.1		mg/kg	50.0	2.22	91.8	80-120			
Matrix Spike (P3E1907-MS2)	Source: 3E16008-12		Prepared & Analyzed: 05/22/23							
Chloride	75.7		mg/kg	50.0	30.9	89.7	80-120			
Matrix Spike Dup (P3E1907-MSD1)	Source: 3E16008-02		Prepared & Analyzed: 05/22/23							
Chloride	48.0		mg/kg	50.0	2.22	91.5	80-120	0.354	20	
Matrix Spike Dup (P3E1907-MSD2)	Source: 3E16008-12		Prepared & Analyzed: 05/22/23							
Chloride	77.2		mg/kg	50.0	30.9	92.6	80-120	1.88	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### **Notes and Definitions**

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
O-04	This sample was analyzed outside the EPA recommended holding time.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis

- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Sun Barron

Report Approved By:

5/30/2023

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Date:
E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa TX, 79765 Project: South Culebra Bluff 5 Battery Project Number: 16103 Project Manager: Blake Estep

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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# Page 111 of 199

Page 39 of 39

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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# Analytical Report

# **Prepared for:**

Blake Estep E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa, TX 79765

> Project: South Culebra Bluff 5 Battery Project Number: 16103 Location: New Mexico

> > Lab Order Number: 3F09018



**Current Certification** 

Report Date: 06/21/23

E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa TX, 79765 Project: South Culebra Bluff 5 Battery Project Number: 16103 Project Manager: Blake Estep

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Auger Hole - 1 Deferral @ 0"-6"	3F09018-01	Soil	06/05/23 14:12	06-09-2023 10:30
Auger Hole - 1 Deferral @ 42"-48"	3F09018-02	Soil	06/05/23 14:15	06-09-2023 10:30
Auger Hole - 2 Deferral @ 0"-6"	3F09018-03	Soil	06/05/23 14:17	06-09-2023 10:30
Auger Hole - 2 Deferral @ 42"-48"	3F09018-04	Soil	06/05/23 14:20	06-09-2023 10:30
Bottom Hole - 1 @ 3'	3F09018-05	Soil	06/05/23 14:22	06-09-2023 10:30
Bottom Hole - 2 @ 3'	3F09018-06	Soil	06/05/23 14:24	06-09-2023 10:30
Bottom Hole - 3 @ 1'	3F09018-07	Soil	06/05/23 14:27	06-09-2023 10:30
Bottom Hole - 4 @ 1'	3F09018-08	Soil	06/05/23 14:30	06-09-2023 10:30
Bottom Hole - 5 @ 1'	3F09018-09	Soil	06/05/23 14:33	06-09-2023 10:30
Bottom Hole - 6 @ 1'	3F09018-10	Soil	06/05/23 14:35	06-09-2023 10:30
Bottom Hole - 7 @ 1'	3F09018-11	Soil	06/05/23 14:37	06-09-2023 10:30
Bottom Hole - 8 @ 1'	3F09018-12	Soil	06/05/23 14:39	06-09-2023 10:30
Bottom Hole - 9 @ 3'	3F09018-13	Soil	06/05/23 14:41	06-09-2023 10:30
Bottom Hole - 10 @ 3'	3F09018-14	Soil	06/05/23 14:45	06-09-2023 10:30
Bottom Hole - 11 @ 1'	3F09018-15	Soil	06/05/23 14:48	06-09-2023 10:30
Bottom Hole - 12 @ 1'	3F09018-16	Soil	06/05/23 14:49	06-09-2023 10:30
West Side Wall - 1 @ 10"	3F09018-17	Soil	06/05/23 14:58	06-09-2023 10:30
West Side Wall - 2 @ 10"	3F09018-18	Soil	06/05/23 15:00	06-09-2023 10:30
North Side Wall @ 10"	3F09018-19	Soil	06/05/23 14:52	06-09-2023 10:30
East Side Wall - 1 @ 10"	3F09018-20	Soil	06/05/23 15:05	06-09-2023 10:30
East Side Wall - 2 @ 10"	3F09018-21	Soil	06/05/23 15:09	06-09-2023 10:30
South Wall - 1 @ 10"	3F09018-22	Soil	06/05/23 15:13	06-09-2023 10:30

E Tech Environmental & Safety Solutions, Inc. [1]	
13000 West County Road 100	Project
Odessa TX, 79765	Project

### Project: South Culebra Bluff 5 Battery Project Number: 16103 Project Manager: Blake Estep

# Auger Hole - 1 Deferral @ 0''-6''

3F09018-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.0211	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:12	EPA 8021B	
Toluene	ND	0.0211	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:12	EPA 8021B	
Ethylbenzene	ND	0.0211	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:12	EPA 8021B	
Xylene (p/m)	ND	0.0421	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:12	EPA 8021B	
Xylene (o)	ND	0.0211	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		114 %	80-120		P3F1906	06/19/23 11:52	06/19/23 15:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P3F1906	06/19/23 11:52	06/19/23 15:12	EPA 8021B	
Total Petroleum Hydrocarbons Co	6-C35 by EPA	<b>Method</b>	l 8015M						
C6-C12	ND	26.3	mg/kg dry	· 1	P3F1310	06/13/23 12:00	06/13/23 21:37	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3F1310	06/13/23 12:00	06/13/23 21:37	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3F1310	06/13/23 12:00	06/13/23 21:37	TPH 8015M	
Surrogate: 1-Chlorooctane		78.9 %	70-130		P3F1310	06/13/23 12:00	06/13/23 21:37	TPH 8015M	
Surrogate: o-Terphenyl		92.3 %	70-130		P3F1310	06/13/23 12:00	06/13/23 21:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	06/13/23 12:00	06/13/23 21:37	calc	
General Chemistry Parameters by	y EPA / Stand	lard Met	hods						
Chloride	5130	10.5	mg/kg dry	10	P3F1415	06/14/23 14:50	06/15/23 00:48	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100 Odessa TX, 79765	ons, Inc. [1]		Project	Project: Number:	South Culebr 16103 Blake Ester	a Bluff 5 Battery			
Subsu 1A, 17105					formal ( A	<b>)</b>    40			
		ł	auger Ho	ore - 1 De 3F09018	-02 (Soil)	2``-4ð``			
		Reporting			<u> </u>				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian Ba	asin Envi	ronmental L	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 13:24	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 13:24	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 13:24	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 13:24	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 13:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	80-120		P3F1306	06/13/23 09:00	06/13/23 13:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.4 %	80-120		P3F1306	06/13/23 09:00	06/13/23 13:24	EPA 8021B	
Total Petroleum Hydrocarbons C6	-C35 by EP	<u>A Method</u>	8015M						
C6-C12	ND	26.3	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 18:32	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 18:32	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 18:32	TPH 8015M	
Surrogate: 1-Chlorooctane		81.8 %	70-130		P3F1206	06/12/23 17:00	06/12/23 18:32	TPH 8015M	
Surrogate: o-Terphenyl		95.7%	70-130		P3F1206	06/12/23 17:00	06/12/23 18:32	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	06/12/23 17:00	06/12/23 18:32	calc	
General Chemistry Parameters by	EPA / Stand	dard Metl	hods						
Chloride	49.9	1.05	mg/kg dry	1	P3F1416	06/14/23 14:53	06/15/23 11:32	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Soluti	ions, Inc. [1]			Project:	South Culebr	a Bluff 5 Battery			
13000 West County Road 100			Project	Number:	16103				
Odessa 1X, 79765			Project	Manager:	Blake Estep				
			Auger H	ole - 2 D	Deferral @	0''-6''			
				3F09018	-03 (Soil)				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian Ba	asin Envi	ronmental I	ab. L.P.			
BTEX by 8021B									
Benzene	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:33	EPA 8021B	
Toluene	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:33	EPA 8021B	
Ethylbenzene	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:33	EPA 8021B	
Xylene (p/m)	ND	0.0417	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:33	EPA 8021B	
Xylene (o)	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.2 %	80-120		P3F1906	06/19/23 11:52	06/19/23 15:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.0 %	80-120		P3F1906	06/19/23 11:52	06/19/23 15:33	EPA 8021B	
Total Petroleum Hydrocarbons C6	5-C35 by EPA	A Method	8015M						
C6-C12	ND	26.0	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 18:56	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 18:56	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 18:56	TPH 8015M	
Surrogate: 1-Chlorooctane		90.2 %	70-130		P3F1206	06/12/23 17:00	06/12/23 18:56	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-130		P3F1206	06/12/23 17:00	06/12/23 18:56	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	06/12/23 17:00	06/12/23 18:56	calc	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	743	1.04	mg/kg dry	1	P3F1416	06/14/23 14:53	06/15/23 11:46	EPA 300.0	
% Moisture	40	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Soluti 13000 West County Road 100	ions, Inc. [1]		Project	Project:	South Culebr	a Bluff 5 Battery			
Odessa TX, 79765			Project	Manager:	Blake Estep				
			5	8	1				
		I	Auger Ho	le - 2 D	eferral @ 42	2''-48''			
				3F09018	-04 (Soil)				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian Ba	asin Envi	ronmental L	ab, L.P.			
RTEX by 8021R									
Benzene	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:54	EPA 8021B	
Toluene	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:54	EPA 8021B	
Ethylbenzene	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:54	EPA 8021B	
Xylene (p/m)	ND	0.0417	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:54	EPA 8021B	
Xylene (o)	ND	0.0208	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 15:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.8 %	80-120		P3F1906	06/19/23 11:52	06/19/23 15:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.4 %	80-120		P3F1906	06/19/23 11:52	06/19/23 15:54	EPA 8021B	
Total Petroleum Hydrocarbons C6	5-C35 by EPA	<b>A</b> Method	8015M						
C6-C12	ND	26.0	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 19:20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 19:20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3F1206	06/12/23 17:00	06/12/23 19:20	TPH 8015M	
Surrogate: 1-Chlorooctane		83.8 %	70-130		P3F1206	06/12/23 17:00	06/12/23 19:20	TPH 8015M	
Surrogate: o-Terphenyl		96.1 %	70-130		P3F1206	06/12/23 17:00	06/12/23 19:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	06/12/23 17:00	06/12/23 19:20	calc	
General Chemistry Parameters by	<u> EPA / Stanc</u>	lard Met	hods						
Chloride	222	1.04	mg/kg dry	1	P3F1416	06/14/23 14:53	06/15/23 12:01	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]			Project:	South Culebra	a Bluff 5 Battery			
13000 West County Road 100		Projec	t Number:	16103				
Odessa TX, 79765		Project	Manager:	Blake Estep				
		Bo	ottom H	ole - 1 @ 3'				
			3F09018	-05 (Soil)				
	Reporting							
Analyte Resu	t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Р	ermian B	asin Env	ironmental L	.ab, L.P.			
BTEX by 8021B								
Benzene NI	0.0200	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:15	EPA 8021B	
Toluene NI	0.0200	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:15	EPA 8021B	
Ethylbenzene NI	0.0200	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:15	EPA 8021B	
Xylene (p/m) NI	0.0400	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:15	EPA 8021B	
Xylene (o) NI	0.0200	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %	80-120		P3F1906	06/19/23 11:52	06/19/23 16:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.8 %	80-120		P3F1906	06/19/23 11:52	06/19/23 16:15	EPA 8021B	
General Chemistry Parameters by EPA / Sta	ndard Met	hods						
% Moisture NI	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.   13000 West County Road 100 Odessa TX, 79765	[1]		Projec Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	ra Bluff 5 Battery			
			Bo	ottom He	ole - 2 @ 3'				
				3F09018	-06 (Soil)				
Analyte Re	R sult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:36	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:36	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:36	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:36	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/19/23 16:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	1	00 %	80-120		P3F1906	06/19/23 11:52	06/19/23 16:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	9	4.6 %	80-120		P3F1906	06/19/23 11:52	06/19/23 16:36	EPA 8021B	
General Chemistry Parameters by EPA / S	tanda	rd Meth	nods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1	]		Project:	South Culebr	a Bluff 5 Battery			
13000 West County Road 100		Projec	t Number:	16103				
Odessa TX, 79765		Project	Manager:	Blake Estep				
		В	ottom H	ole - 3 @ 1'				
			3F09018	8-07 (Soil)				
	Reporting	r						
Analyte Res	ılt Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	]	Permian B	asin Env	ironmental I	.ab, L.P.			
BTEX by 8021B								
Benzene N	D 0.0200	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/19/23 16:57	EPA 8021B	
Toluene N	D 0.0200	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/19/23 16:57	EPA 8021B	
Ethylbenzene N	D 0.0200	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/19/23 16:57	EPA 8021B	
Xylene (p/m) N	D 0.0400	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/19/23 16:57	EPA 8021B	
Xylene (o) N	D 0.0200	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/19/23 16:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.2 %	80-120		P3F1906	06/19/23 11:52	06/19/23 16:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.9 %	80-120		P3F1906	06/19/23 11:52	06/19/23 16:57	EPA 8021B	
General Chemistry Parameters by EPA / Sta	indard Me	thods						
% Moisture N	D 0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1	]		Project:	South Culebr	a Bluff 5 Battery			
13000 West County Road 100		Projec	t Number:	16103				
Odessa TX, 79765		Project	Manager:	Blake Estep				
		B	ottom H	ole - 4 @ 1'				
			3F09018	8-08 (Soil)				
	Reporting	ŗ						
Analyte Res	ılt Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	]	Permian B	asin Env	ironmental I	lab, L.P.			
BTEX by 8021B								
Benzene	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 07:45	EPA 8021B	
Toluene N	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 07:45	EPA 8021B	
Ethylbenzene N	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 07:45	EPA 8021B	
Xylene (p/m) N	D 0.0404	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 07:45	EPA 8021B	
Xylene (o) N	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 07:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %	80-120		P3F1906	06/19/23 11:52	06/20/23 07:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %	80-120		P3F1906	06/19/23 11:52	06/20/23 07:45	EPA 8021B	
General Chemistry Parameters by EPA / Sta	undard Me	thods						
% Moisture 1	<b>.0</b> 0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1 13000 West County Road 100	]	Projec	Project: t Number:	South Culebr 16103	a Bluff 5 Battery			
Odessa TX, 79765		Project	Manager:	Blake Estep				
		Be	ottom H	ole - 5 @ 1'				
			3F09018	8-09 (Soil)				
	Reporting	2						
Analyte Resu	ılt Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Permian B	asin Env	ironmental I	lab, L.P.			
BTEX by 8021B								
Benzene N	D 0.0200	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 08:07	EPA 8021B	
Toluene N	D 0.0200	mg/kg dr	20	P3F1906	06/19/23 11:52	06/20/23 08:07	EPA 8021B	
Ethylbenzene N	D 0.0200	mg/kg dr	20	P3F1906	06/19/23 11:52	06/20/23 08:07	EPA 8021B	
Xylene (p/m) N	D 0.0400	mg/kg dr	20	P3F1906	06/19/23 11:52	06/20/23 08:07	EPA 8021B	
Xylene (o) N	D 0.0200	mg/kg dr	20	P3F1906	06/19/23 11:52	06/20/23 08:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %	80-120		P3F1906	06/19/23 11:52	06/20/23 08:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.5 %	80-120		P3F1906	06/19/23 11:52	06/20/23 08:07	EPA 8021B	
General Chemistry Parameters by EPA / Sta	indard Me	thods						
% Moisture N	D 0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100	[1]		Projec	Project: t Number:	South Culebr	a Bluff 5 Battery			
Odessa TX, 79765			Project	Manager:	Blake Estep				
			Bo	ottom He	ole - 6 @ 1'				
				3F09018	-10 (Soil)				
Analyte R	esult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental L	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	′ 1	P3F1306	06/13/23 09:00	06/13/23 16:52	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 16:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 16:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 16:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 16:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P3F1306	06/13/23 09:00	06/13/23 16:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	Ç	96.9 %	80-120		P3F1306	06/13/23 09:00	06/13/23 16:52	EPA 8021B	
General Chemistry Parameters by EPA / S	stand	ard Meth	nods						
% Moisture	ND	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765	[1]		Projec Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
			Во	ottom He	ole - 7 @ 1'				
				3F09018	-11 (Soil)				
Analyte Re	esult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental I	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 17:13	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 17:13	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 17:13	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 17:13	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 17:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	80-120		P3F1306	06/13/23 09:00	06/13/23 17:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P3F1306	06/13/23 09:00	06/13/23 17:13	EPA 8021B	
General Chemistry Parameters by EPA / S	tand	ard Meth	nods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1	]		Project:	South Culebr	a Bluff 5 Battery			
13000 West County Road 100		Projec	t Number:	16103				
Odessa TX, 79765		Project	Manager:	Blake Estep				
		В	ottom H	ole - 8 @ 1'				
			3F09018	-12 (Soil)				
	Reporting							
Analyte Resu	ılt Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	I	Permian B	asin Env	ironmental I	.ab, L.P.			
BTEX by 8021B								
Benzene N	D 0.00101	mg/kg dr	y 1	P3F1306	06/13/23 09:00	06/13/23 17:34	EPA 8021B	
Toluene N	D 0.00101	mg/kg dr	/ 1	P3F1306	06/13/23 09:00	06/13/23 17:34	EPA 8021B	
Ethylbenzene N	D 0.00101	mg/kg dr	y 1	P3F1306	06/13/23 09:00	06/13/23 17:34	EPA 8021B	
Xylene (p/m) N	D 0.00202	mg/kg dr	/ 1	P3F1306	06/13/23 09:00	06/13/23 17:34	EPA 8021B	
Xylene (o) N	D 0.00101	mg/kg dr	/ 1	P3F1306	06/13/23 09:00	06/13/23 17:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %	80-120		P3F1306	06/13/23 09:00	06/13/23 17:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.1 %	80-120		P3F1306	06/13/23 09:00	06/13/23 17:34	EPA 8021B	
General Chemistry Parameters by EPA / Sta	indard Me	thods						
% Moisture	.0 0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [	1]		Project	South Culeb	ora Bluff 5 Battery			
13000 West County Road 100		Pro	ect Number	16103				
Odessa TX, 79765		Proj	ect Manager:	Blake Estep				
			Bottom H	ole - 9 @ 3	,			
			3F09018	3-13 (Soil)				
	Repo	rting						
Analyte Re:	sult Li	nit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DTEVI 0041D		Permian	Basin Env	ironmental	Lab, L.P.			
BIEA DY 8021B Benzene	JD 0.00	101 mg/k	g dry 1	P3F1306	06/13/23 09:00	06/13/23 17:55	EPA 8021B	
Toluene	D 0.00	101 ^{mg/k}	g dry 1	P3F1306	06/13/23 09:00	06/13/23 17:55	EPA 8021B	
Ethylbenzene	ND 0.00	101 ^{mg/k}	g dry 1	P3F1306	06/13/23 09:00	06/13/23 17:55	EPA 8021B	
Xylene (p/m)	D 0.00	202 ^{mg/kj}	g dry 1	P3F1306	06/13/23 09:00	06/13/23 17:55	EPA 8021B	
Xylene (o)	D 0.00	101 ^{mg/k}	g dry 1	P3F1306	06/13/23 09:00	06/13/23 17:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102	% 80-1	20	P3F1306	06/13/23 09:00	06/13/23 17:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.5	% 80-1	20	P3F1306	06/13/23 09:00	06/13/23 17:55	EPA 8021B	
General Chemistry Parameters by EPA / St	andard	Methods						
% Moisture	1.0	0.1 %	. 1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, I	nc. [1]			Project:	South Culebr	a Bluff 5 Battery			
13000 West County Road 100			Project	t Number:	16103				
Odessa TX, 79765			Project Manager:		Blake Estep				
			Bo	ttom Ho	le - 10 @ 3'	,			
				3F09018	-14 (Soil)				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental L	.ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	· 1	P3F1306	06/13/23 09:00	06/13/23 18:15	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:15	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:15	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:15	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.3 %	80-120		P3F1306	06/13/23 09:00	06/13/23 18:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P3F1306	06/13/23 09:00	06/13/23 18:15	EPA 8021B	
General Chemistry Parameters by EPA	/ Stand	dard Metl	hods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Ir 13000 West County Road 100	nc. [1]		Project	Project: t Number:	South Culebra Bluff 5 Battery 16103					
Odessa TX, 79765			Project	Manager:	Blake Estep					
			Bo	ttom Ho	ole - 11 @ 1'					
				3F09018	-15 (Soil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ironmental L	.ab, L.P.				
BTEX by 8021B										
Benzene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:36	EPA 8021B		
Toluene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:36	EPA 8021B		
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:36	EPA 8021B		
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:36	EPA 8021B		
Xylene (o)	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:36	EPA 8021B		
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P3F1306	06/13/23 09:00	06/13/23 18:36	EPA 8021B		
Surrogate: 1,4-Difluorobenzene		96.5 %	80-120		P3F1306	06/13/23 09:00	06/13/23 18:36	EPA 8021B		
<b>General Chemistry Parameters by EPA</b>	/ Stand	dard Met	hods							
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216		

E Tech Environmental & Safety Solutions, 13000 West County Road 100 Odessa TX, 79765	Inc. [1]		Project Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
			Bo	ttom Ho	le - 12 @ 1'	,			
				3F09018	-16 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian Ba	asin Envi	ironmental I	ab. L.P.			
BTEX by 8021B						,			
Benzene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:56	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:56	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:56	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:56	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3F1306	06/13/23 09:00	06/13/23 18:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P3F1306	06/13/23 09:00	06/13/23 18:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.6 %	80-120		P3F1306	06/13/23 09:00	06/13/23 18:56	EPA 8021B	
General Chemistry Parameters by EP	A / Stand	dard Met	hods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765	. [1]		Project Project	Project: Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
			Wes	t Side W	all - 1 @ 10	)''			
Γ				3F09018	-17 (Soil)				
Analyte R	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:31	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:31	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:31	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:31	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P3F1906	06/19/23 11:52	06/20/23 08:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		86.8 %	80-120		P3F1906	06/19/23 11:52	06/20/23 08:31	EPA 8021B	
General Chemistry Parameters by EPA / S	Stand	ard Meth	nods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, In 13000 West County Road 100 Odessa TX, 79765	c. [1]		Project Project	Project: t Number: Manager:	South Culebra 16103 Blake Estep	a Bluff 5 Battery			
			West	t Side W	Vall - 2 @ 10	,			
				3F09018	-18 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:53	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:53	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:53	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:53	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 08:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		89.0 %	80-120		P3F1906	06/19/23 11:52	06/20/23 08:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P3F1906	06/19/23 11:52	06/20/23 08:53	EPA 8021B	
General Chemistry Parameters by EPA	/ Stand	lard Meth	nods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1 13000 West County Road 100	]	Projec	Project: t Number:	<ul> <li>t: South Culebra Bluff 5 Battery</li> <li>:: 16103</li> </ul>					
Odessa TX, 79765		Project	Manager:	Blake Estep					
		No	rth Side	Wall @ 10'	•				
			3F09018	8-19 (Soil)					
	Reporting	į							
Analyte Res	ılt Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
	J	Permian B	asin Env	ironmental I	.ab, L.P.				
BTEX by 8021B									
Benzene N	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 09:14	EPA 8021B		
Toluene N	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 09:14	EPA 8021B		
Ethylbenzene N	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 09:14	EPA 8021B		
Xylene (p/m) N	D 0.0404	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 09:14	EPA 8021B		
Xylene (o) N	D 0.0202	mg/kg dr	y 20	P3F1906	06/19/23 11:52	06/20/23 09:14	EPA 8021B		
Surrogate: 4-Bromofluorobenzene	91.5 %	80-120		P3F1906	06/19/23 11:52	06/20/23 09:14	EPA 8021B		
Surrogate: 1,4-Difluorobenzene	100 %	80-120		P3F1906	06/19/23 11:52	06/20/23 09:14	EPA 8021B		
General Chemistry Parameters by EPA / Sta	undard Me	thods							
% Moisture 1	<b>.0</b> 0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216		

E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa TX, 79765		Project Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
		East	t Side W	all - 1 @ 10	,			
			3F09018	-20 (Soil)				
Analyte Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Р	ermian B	asin Envi	ironmental L	lab, L.P.			
BTEX by 8021B								
Benzene ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:15	EPA 8021B	
Toluene ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:15	EPA 8021B	
Ethylbenzene ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:15	EPA 8021B	
Xylene (p/m) ND	0.0404	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:15	EPA 8021B	
Xylene (o) ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.4 %	80-120		P3F1906	06/19/23 11:52	06/20/23 10:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %	80-120		P3F1906	06/19/23 11:52	06/20/23 10:15	EPA 8021B	
General Chemistry Parameters by EPA / Stan	dard Met	hods						
% Moisture 1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc 13000 West County Road 100 Odessa TX, 79765	. [1]		Project Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	a Bluff 5 Battery			
			East	t Side W	all - 2 @ 10	,			
				3F09018	-21 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ironmental I	lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:36	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:36	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:36	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:36	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.7 %	80-120		P3F1906	06/19/23 11:52	06/20/23 10:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.1 %	80-120		P3F1906	06/19/23 11:52	06/20/23 10:36	EPA 8021B	
General Chemistry Parameters by EPA/	Stand	lard Meth	nods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765	[1]		Project Project	Project: t Number: Manager:	South Culebr 16103 Blake Estep	ra Bluff 5 Battery			
			So	uth Wal 3F09018	ll - 1 @ 10'' -22 (Soil)				
				01 07 010	22 (301)				
Analyte	esult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:57	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:57	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:57	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:57	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3F1906	06/19/23 11:52	06/20/23 10:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	80-120		P3F1906	06/19/23 11:52	06/20/23 10:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	9	91.3 %	80-120		P3F1906	06/19/23 11:52	06/20/23 10:57	EPA 8021B	
General Chemistry Parameters by EPA / S	Stand	ard <u>Metl</u>	nods						
% Moisture	1.0	0.1	%	1	P3F1410	06/14/23 08:44	06/14/23 08:49	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1306 - *** DEFAULT PREP ***										
Blank (P3F1306-BLK1)				Prepared &	Analyzed:	06/13/23				
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	80-120			
LCS (P3F1306-BS1)				Prepared &	Analyzed:	06/13/23				
Benzene	0.0921	0.00100	mg/kg	0.100		92.1	80-120			
Toluene	0.0899	0.00100	"	0.100		89.9	80-120			
Ethylbenzene	0.0957	0.00100	"	0.100		95.7	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.9	80-120			
Xylene (o)	0.0828	0.00100	"	0.100		82.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	80-120			
LCS Dup (P3F1306-BSD1)				Prepared &	Analyzed:	06/13/23				
Benzene	0.107	0.00100	mg/kg	0.100		107	80-120	14.6	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	16.7	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	17.7	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120	16.5	20	
Xylene (o)	0.0987	0.00100	"	0.100		98.7	80-120	17.6	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Calibration Blank (P3F1306-CCB1)				Prepared &	Analyzed:	06/13/23				
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.170		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1306 - *** DEFAULT PREP ***										
Calibration Blank (P3F1306-CCB2)				Prepared &	Analyzed:	06/13/23				
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.200		"							
Xylene (o)	0.00									
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			
Calibration Check (P3F1306-CCV1)				Prepared &	Analyzed:	06/13/23				
Benzene	0.0922	0.00100	mg/kg	0.100		92.2	80-120			
Toluene	0.0896	0.00100		0.100		89.6	80-120			
Ethylbenzene	0.0902	0.00100		0.100		90.2	80-120			
Xylene (p/m)	0.177	0.00200		0.200		88.3	80-120			
Xylene (o)	0.0841	0.00100		0.100		84.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	75-125			
Calibration Check (P3F1306-CCV2)				Prepared &	Analyzed:	06/13/23				
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.102	0.00100		0.100		102	80-120			
Ethylbenzene	0.103	0.00100		0.100		103	80-120			
Xylene (p/m)	0.198	0.00200		0.200		99.0	80-120			
Xylene (o)	0.0938	0.00100		0.100		93.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.137		"	0.120		114	75-125			
Calibration Check (P3F1306-CCV3)				Prepared &	Analyzed:	06/13/23				
Benzene	0.114	0.00100	mg/kg	0.100		114	80-120			
Toluene	0.107	0.00100		0.100		107	80-120			
Ethylbenzene	0.106	0.00100		0.100		106	80-120			
Xylene (p/m)	0.205	0.00200		0.200		102	80-120			
Xylene (o)	0.0994	0.00100	"	0.100		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

## Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch P3F1306 - *** DEFAULT PREP ***

Matrix Spike (P3F1306-MS1)	Sour	Source: 3F09018-02			Analyzed:	: 06/13/23				
Benzene	0.0793	0.00105	mg/kg dry	0.105	ND	75.3	80-120			QM-05
Toluene	0.0715	0.00105		0.105	ND	67.9	80-120			QM-05
Ethylbenzene	0.0828	0.00105	"	0.105	ND	78.6	80-120			QM-05
Xylene (p/m)	0.156	0.00211	"	0.211	ND	74.2	80-120			QM-05
Xylene (o)	0.0750	0.00105	"	0.105	ND	71.3	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.124		"	0.126		98.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.126		107	80-120			
Matrix Spike Dup (P3F1306-MSD1)	Sour	Source: 3F09018-02			Analyzed:	: 06/13/23				
Benzene	0.110	0.00105	mg/kg dry	0.105	ND	105	80-120	32.6	20	QM-05
Toluene	0.101	0.00105		0.105	ND	96.1	80-120	34.4	20	QM-05
Ethylbenzene	0.111	0.00105	"	0.105	ND	106	80-120	29.4	20	QM-05
Xylene (p/m)	0.208	0.00211	"	0.211	ND	99.0	80-120	28.6	20	QM-05
Xylene (o)	0.0998	0.00105	"	0.105	ND	94.8	80-120	28.4	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.131		"	0.126		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.126		96.8	80-120			

#### Batch P3F1906 - *** DEFAULT PREP ***

Blank (P3F1906-BLK1)	Prepared & Analyzed: 06/19/23							
Benzene	ND	0.00100	mg/kg					
Toluene	ND	0.00100						
Ethylbenzene	ND	0.00100						
Xylene (p/m)	ND	0.00200						
Xylene (o)	0.000560	0.00100						J
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120	101	80-120		
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120	102	80-120		

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1906 - *** DEFAULT PREP ***										
LCS (P3F1906-BS1)				Prepared &	Analyzed:	06/19/23				
Benzene	0.0835	0.00100	mg/kg	0.100		83.5	80-120			
Toluene	0.0883	0.00100	"	0.100		88.3	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.210	0.00200		0.200		105	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		105	80-120			
LCS Dup (P3F1906-BSD1)				Prepared &	Analyzed:	06/19/23				
Benzene	0.0880	0.00100	mg/kg	0.100		88.0	80-120	5.26	20	
Toluene	0.0929	0.00100	"	0.100		92.9	80-120	5.08	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120	5.29	20	
Xylene (p/m)	0.224	0.00200		0.200		112	80-120	6.07	20	
Xylene (o)	0.112	0.00100	"	0.100		112	80-120	5.43	20	
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Calibration Blank (P3F1906-CCB1)				Prepared &	Analyzed:	06/19/23				
Benzene	0.0900		ug/kg							
Toluene	0.270		"							
Ethylbenzene	0.430									
Xylene (p/m)	0.970									
Xylene (o)	0.570		"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Calibration Blank (P3F1906-CCB2)				Prepared: (	)6/19/23 A	nalyzed: 06	/20/23			
Benzene	0.280		ug/kg							
Toluene	0.280		"							
Ethylbenzene	0.410									
Xylene (p/m)	0.960									
Xylene (o)	0.520									
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian	Basin	Environmental	Lab,	L.P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1906 - *** DEFAULT PREP ***										
Calibration Check (P3F1906-CCV1)				Prepared 8	& Analyzed:	06/19/23				
Benzene	0.0838	0.00100	mg/kg	0.100		83.8	80-120			
Toluene	0.0862	0.00100	"	0.100		86.2	80-120			
Ethylbenzene	0.0947	0.00100	"	0.100		94.7	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	75-125			
Calibration Check (P3F1906-CCV2)				Prepared: (	06/19/23 Ai	nalyzed: 06	/20/23			
Benzene	0.0801	0.00100	mg/kg	0.100		80.1	80-120			
Toluene	0.0839	0.00100	"	0.100		83.9	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		98.8	80-120			
Xylene (o)	0.0923	0.00100	"	0.100		92.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Calibration Check (P3F1906-CCV3)				Prepared: (	06/19/23 Ai	nalyzed: 06	/20/23			
Benzene	0.0900	0.00100	mg/kg	0.100		90.0	80-120			
Toluene	0.0972	0.00100	"	0.100		97.2	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	75-125			
Matrix Spike (P3F1906-MS1)	So	urce: 3F09018	-01	Prepared: (	06/19/23 Ai	nalyzed: 06	/20/23			
Benzene	9.58	0.00105	mg/kg dry	0.105	0.000632	NR	80-120			QM-05
Toluene	9.85	0.00105	"	0.105	0.00442	NR	80-120			QM-05
Ethylbenzene	11.8	0.00105	"	0.105	0.00126	NR	80-120			QM-05
Xylene (p/m)	22.8	0.00211	"	0.211	0.00379	NR	80-120			QM-05
Xylene (o)	10.6	0.00105	"	0.105	0.00126	NR	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.175		"	0.126		138	80-120			S-DUP
Surrogate: 4-Bromofluorobenzene	0.508		"	0.126		402	80-120			S-DUP

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

## Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch P3F1906 - *** DEFAULT PREP ***

Matrix Spike Dup (P3F1906-MSD1)	Sou	Source: 3F09018-01			Prepared: 06/19/23 Analyzed: 06/20/23					
Benzene	0.0960	0.00105	mg/kg dry	0.105	0.000632	90.6	80-120	196	20	QM-05
Toluene	0.102	0.00105	"	0.105	0.00442	93.1	80-120	196	20	QM-05
Ethylbenzene	0.117	0.00105	"	0.105	0.00126	110	80-120	196	20	QM-05
Xylene (p/m)	0.230	0.00211	"	0.211	0.00379	107	80-120	196	20	QM-05
Xylene (o)	0.106	0.00105	"	0.105	0.00126	99.9	80-120	196	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.126		"	0.126		99.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.129		"	0.126		102	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

# Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

# Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1206 - TX 1005										
Blank (P3F1206-BLK1)				Prepared &	Analyzed:	06/12/23				
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.7		"	100		98.7	70-130			
Surrogate: o-Terphenyl	57.5		"	50.0		115	70-130			
LCS (P3F1206-BS1)				Prepared &	Analyzed:	06/12/23				
C6-C12	1190	25.0	mg/kg	1000		119	75-125			
>C12-C28	1190	25.0	"	1000		119	75-125			
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	54.1		"	50.0		108	70-130			
LCS Dup (P3F1206-BSD1)				Prepared &	Analyzed:	06/12/23				
C6-C12	1240	25.0	mg/kg	1000		124	75-125	4.58	20	
>C12-C28	1240	25.0	"	1000		124	75-125	4.23	20	
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	53.0		"	50.0		106	70-130			
Calibration Check (P3F1206-CCV1)				Prepared &	Analyzed:	06/12/23				
C6-C12	603	25.0	mg/kg	600		100	85-115			
>C12-C28	608	25.0	"	600		101	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	60.6		"	50.0		121	70-130			
Calibration Check (P3F1206-CCV2)				Prepared &	Analyzed:	06/12/23				
C6-C12	602	25.0	mg/kg	600		100	85-115			
>C12-C28	602	25.0	"	600		100	85-115			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	56.2		"	50.0		112	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

## Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian	Basin	Environmental	l Lab,	L.P.
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	D L	Reporting	TT '-	Spike	Source	0/DEC	%REC	000	RPD	NT -
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1206 - TX 1005										
Duplicate (P3F1206-DUP1)	Sour	Source: 3F12007-05		Prepared: (	)6/12/23 Ai	nalyzed: 06	/13/23			
C6-C12	9.97	25.5	mg/kg dry		ND				20	
>C12-C28	16.1	25.5	"		15.5			3.55	20	
Surrogate: 1-Chlorooctane	91.8		"	102		90.0	70-130			
Surrogate: o-Terphenyl	55.3		"	51.0		108	70-130			
Batch P3F1310 - TX 1005										
Blank (P3F1310-BLK1)				Prepared 8	Analyzed:	06/13/23				
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0								
>C28-C35	ND	25.0								
Surrogate: 1-Chlorooctane	94.6		"	100		94.6	70-130			
Surrogate: o-Terphenyl	55.8		"	50.0		112	70-130			
LCS (P3F1310-BS1)	Prepared & Analyzed: 06/13/23									
C6-C12	886	25.0	mg/kg	1000		88.6	75-125			
>C12-C28	802	25.0		1000		80.2	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	58.2		"	50.0		116	70-130			
LCS Dup (P3F1310-BSD1)	Prepared & Analyzed: 06/13/23									
C6-C12	950	25.0	mg/kg	1000		95.0	75-125	7.06	20	
>C12-C28	864	25.0		1000		86.4	75-125	7.46	20	
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	56.4		"	50.0		113	70-130			
Calibration Check (P3F1310-CCV1)	Prepared & Analyzed: 06/13/23									
C6-C12	466	25.0	mg/kg	500		93.3	85-115			
>C12-C28	437	25.0		500		87.5	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	56.3		"	50.0		113	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

# Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

## Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1310 - TX 1005										
Calibration Check (P3F1310-CCV2)	Prepared & Analyzed: 06/13/23									
C6-C12	468	25.0	mg/kg	500		93.5	85-115			
>C12-C28	458	25.0	"	500		91.6	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	57.1		"	50.0		114	70-130			
Calibration Check (P3F1310-CCV3)	Prepared & Analyzed: 06/13/23									
C6-C12	464	25.0	mg/kg	500		92.7	85-115			
>C12-C28	487	25.0	"	500		97.3	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	56.6		"	50.0		113	70-130			
Duplicate (P3F1310-DUP1)	Source: 3F13011-03			Prepared & Analyzed: 06/13/23						
C6-C12	24.9	25.5	mg/kg dry		24.6			1.24	20	
>C12-C28	754	25.5	"		736			2.39	20	
Surrogate: 1-Chlorooctane	82.1		"	102		80.5	70-130			
Surrogate: o-Terphenyl	48.2		"	51.0		94.4	70-130			

Permian Basin Environmental Lab, L.P.
E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### Permian Basin Environmental Lab, L.P.

		Reporting		Snike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1410 - *** DEFAULT PREP ***										
Blank (P3F1410-BLK1)				Prepared &	Analyzed:	: 06/14/23				
% Moisture	ND	0.1	%							
Blank (P3F1410-BLK2)				Prepared &	Analyzed:	: 06/14/23				
% Moisture	ND	0.1	%							
Blank (P3F1410-BLK3)				Prepared &	Analyzed:	: 06/14/23				
% Moisture	ND	0.1	%							
Blank (P3F1410-BLK4)				Prepared &	Analyzed:	: 06/14/23				
% Moisture	ND	0.1	%							
Duplicate (P3F1410-DUP1)	Sou	rce: 3F09018-	10	Prepared &	Analyzed:	: 06/14/23				
% Moisture	ND	0.1	%		ND				20	
Duplicate (P3F1410-DUP2)	Sou	rce: 3F09018-2	20	Prepared &	Analyzed:	: 06/14/23				
% Moisture	ND	0.1	%		1.0			200	20	
Duplicate (P3F1410-DUP3)	Sou	rce: 3F13007-	06	Prepared &	Analyzed:	: 06/14/23				
% Moisture	26.0	0.1	%		28.0			7.41	20	
Duplicate (P3F1410-DUP4)	Sou	rce: 3F13007-	16	Prepared &	Analyzed:	: 06/14/23				
% Moisture	33.0	0.1	%		33.0			0.00	20	
Duplicate (P3F1410-DUP5)	Sou	rce: 3F13013-	06	Prepared &	Analyzed:	: 06/14/23				
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P3F1410-DUP6)	Sou	rce: 3F13012-	06	Prepared &	Analyzed:	: 06/14/23				
% Moisture	20.0	0.1	%	•	21.0			4.88	20	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

	Permian	Basin	Environmental	Lab,	L.	P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1410 - *** DEFAULT PREP ***										
Duplicate (P3F1410-DUP7)	Sou	rce: 3F13010-1	15	Prepared &	Analyzed:	06/14/23				
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3F1410-DUP8)	Sou	rce: 3F13015-(	)3	Prepared &	Analyzed:	06/14/23				
% Moisture	9.0	0.1	%		10.0			10.5	20	
Batch P3F1415 - *** DEFAULT PREP ***										
Blank (P3F1415-BLK1)				Prepared &	Analyzed	: 06/14/23				
Chloride	ND	1.00	mg/kg							
LCS (P3F1415-BS1)				Prepared &	Analyzed:	06/14/23				
Chloride	20.1		mg/kg	20.0		100	90-110			
LCS Dup (P3F1415-BSD1)				Prepared &	Analyzed:	: 06/14/23				
Chloride	18.8		mg/kg	20.0	-	94.1	90-110	6.52	10	
Calibration Check (P3F1415-CCV1)				Prepared &	Analyzed:	: 06/14/23				
Chloride	19.8		mg/kg	20.0	•	98.8	90-110			
Calibration Check (P3F1415-CCV2)				Prepared: (	)6/14/23 A	nalyzed: 06	/15/23			
Chloride	19.2		mg/kg	20.0		96.2	90-110			
Matrix Spike (P3F1415-MS1)	Sou	rce: 3F12011-(	)1	Prepared &	Analyzed:	: 06/14/23				
Chloride	154		mg/kg	100	41.7	112	80-120			
Matrix Spike (P3F1415-MS2)	Sou	rce: 3F13007-(	)4	Prepared: (	)6/14/23 A	nalyzed: 06	/15/23			
Chloride	151		mg/kg	100	34.4	116	80-120			

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13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

	Perm	ian Basin	Enviro	nmental	Lab, L.P					
	D li	Reporting	<b>T</b> T <b>*</b> .	Spike	Source	AVDEC.	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P3F1415 - *** DEFAULT PREP ***										
Matrix Spike Dup (P3F1415-MSD1)	Sou	rce: 3F12011-	01	Prepared &	analyzed:	06/14/23				
Chloride	155		mg/kg	100	41.7	113	80-120	0.688	20	
Matrix Spike Dup (P3F1415-MSD2)	Sou	rce: 3F13007-	-04	Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	150		mg/kg	100	34.4	116	80-120	0.292	20	
Batch P3F1416 - *** DEFAULT PREP ***										
Blank (P3F1416-BLK1)				Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	ND	1.00	mg/kg							
LCS (P3F1416-BS1)				Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	20.0		mg/kg	20.0		100	90-110			
LCS Dup (P3F1416-BSD1)				Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	20.2		mg/kg	20.0		101	90-110	0.926	10	
Calibration Check (P3F1416-CCV1)				Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	19.8		mg/kg	20.0		98.8	90-110			
Calibration Check (P3F1416-CCV2)				Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	19.4		mg/kg	20.0		96.8	90-110			
Calibration Check (P3F1416-CCV3)				Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	18.2		mg/kg	20.0		90.8	90-110			
Matrix Spike (P3F1416-MS1)	Sou	rce: 3F09021-	-02	Prepared: (	06/14/23 A	nalyzed: 06	5/15/23			
Chloride	144		mg/kg	100	34.8	109	80-120			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

Permian Basi	n Environment	al Lab, L.P.
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Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F1416 - *** DEFAULT PREP ***									
Matrix Spike (P3F1416-MS2)	Sour	ce: 3F09025-01	Prepared: (	06/14/23 A	nalyzed: 06	6/15/23			
Chloride	49.6	mg/kg	50.0	3.37	92.4	80-120			
Matrix Spike Dup (P3F1416-MSD1)	Sour	ce: 3F09021-02	Prepared: 06/14/23 Analyzed: 06/15/23		5/15/23				
Chloride	141	mg/kg	100	34.8	107	80-120	1.74	20	
Matrix Spike Dup (P3F1416-MSD2)	Sour	ce: 3F09025-01	Prepared: (	06/14/23 A	nalyzed: 06	6/15/23			
Chloride	51.4	mg/kg	50.0	3.37	96.1	80-120	3.63	20	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

#### **Notes and Definitions**

S-DUP	Duplicate analysis confirmed surrogate failure due to matrix effects.
ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL CO	Chain of Custody was not generated at PBELAB
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:

Bur Barron

Date: 6/21/2023

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	South Culebra Bluff 5 Battery
13000 West County Road 100	Project Number:	16103
Odessa TX, 79765	Project Manager:	Blake Estep

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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## APPENDIX G

## Approved Remediation Work Plan

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



State of New Mexico Oil Conservation Division

Incident ID	nAPP2212329098
District RP	
Facility ID	
Application ID	

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## 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?	$\frac{12}{12}$ (ft
Did this release impact groundwater or surface water?	ogs)
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant	Yes 🖾 No
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?	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh	Yes No
water well field?	🔲 Yes 🕅 No
Are the lateral extents of the release within 300 feet of a wetland?	
Are the lateral extents of the release overlying a subsurface mine?	
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	🛛 Yes 🗍 No
Did the release impact areas not on an exploration development production or storage site?	🗌 Yes 🛛 No
Dia the release impact areas not on an exploration, development, production, or storage site?	

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.
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Form C-141 Page 4	State of New Oil Conservation	Mexico n Division	Incident ID District RP Facility ID Application ID	nAPP2212329098
I hereby certify that the intregulations all operators and public health or the environ failed to adequately invest addition, OCD acceptance and/or regulations.	formation given above is true and co e required to report and/or file certa nment. The acceptance of a C-141 igate and remediate contamination of a C-141 report does not relieve t	omplete to the best of my knowledge ain release notifications and perform report by the OCD does not relieve that pose a threat to groundwater, s the operator of responsibility for co Water A	ge and understand that purs n corrective actions for rele the operator of liability sh urface water, human health mpliance with any other fe	tuant to OCD rules and eases which may endanger ould their operations have or the environment. In deral, state, or local laws
Printed Name: Arry E Signature: Amail: ABarnhill@C	J. Drite hevron.com	Title: Date: Telephone:	2-687-7108	
OCD Only Received by:Jocely	/n Harimon	Date:	11/07/2022	

Page 455 26199

661 form Page 5 Page 5 Form C-141

State of New Mexico **Oil Conservation Division** 

Incident ID	nAPP2212329098
District RP	
Facility ID	
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 point	nts				
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 time	meline is more than 90 days OCD approval is required)				
Deferral Requests Only: Each of the following items must be	infimured as many of any near set for deferred of some disting				
Deterral Requests Only: Euch of the following tiens must be co	mjirmea as part of any request for deferral of remealation.				
Contamination must be in areas immediately under or around	production equipment where remediation could cause a major facility				
deconstruction.					
Extents of contamination must be fully delineated					
Contamination does not cause an imminent risk to human heal	th, the environment, or groundwater.				
I hereby certify that the information given above is true and compl	ete to the best of my knowledge and understand that pursuant to OCD				
rules and regulations all operators are required to report and/or file	certain release notifications and perform corrective actions for releases				
which may endanger public health or the environment. The accept	ance of a C-141 report by the OCD does not relieve the operator of				
liability should their operations have failed to adequately investiga	te and remediate contamination that pose a threat to groundwater,				
surface water, human health or the environment. In addition, OCD	acceptance of a C-141 report does not relieve the operator of				
responsibility for compliance with any other rederal, state, or local	laws and/or regulations.				
Printed Name:	Title: Water Advisor				
Signature:	Date: 11-7-22				
ABarnhill@chevron.com	432-687-7108				
email:	Telephone:				
OCD Only					
Received by:	Date: <u>11/07/2022</u>				
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved				
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November 3, 2022

Type text here

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 Delineation and Remediation Workplan Chevron USA South Culebra Bluff 5 Battery Release (nAPP2212329098) GPS: N 32.30350584° W 104.04623106° Unit Letter "L", Section 13, 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 Delineation and Remediation Workplan for the South Culebra Bluff 5 Battery Release Site (Release Site). The legal description of the Release Site is Unit Letter "L", Section 13, Township 23 South, Range 28 East, in Eddy County, New Mexico. The GPS coordinates for the site are N 32.30350584° W 104.04623106°. A Site Location Map and Aerial Proximity Map are provided as Figure 1 and Figure 2, respectively.

#### **INTRODUCTION**

On May 1, 2022, a reportable release occurred at the South Culebra Bluff 5 Battery. The release was the result of a flow line pin hole leak due to corrosion and was contained on the pad. Approximately 9.064 barrels (bbls) of crude and 1.006 bbls of produced water was released with no barrels recovered, for a net loss of 9.064 bbls oil and 1.006 bbls produced water. On May 3, 2022, Chevron filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD) documenting the release. The Form C-141 is provided in Appendix A.

#### NMOCD SITE CLASSIFICATION

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 twelve (12) registered water wells within a ½-mile radius. Four (4) were located within one thousand (1,000) ft of the release. The four wells located within 1,000 feet of the site were C-012017, C-04490-POD2, C-01214, and USGS 321818104025001 with depths ranging from twelve (12) ft bgs to fifty (50) ft bgs for an average depth of twenty-five and a quarter (25.25) ft bgs. One of the water wells (C-01217) is located within five hundred (500) ft of the site with a depth to groundwater at fifty (50) ft 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 South Culebra Bluff 5 Battery 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 ACTIVITIES

On May 26, 2022, Etech was onsite to perform the initial assessment of the release. The release, located on Bureau of Land Management (BLM) property, measured approximately six (6) to fifteen (15) feet (ft) in length and twenty-five (25) ft wide and was contained on the Chevron pad. The surface dimensions covered an area of approximately 206 square feet. See Appendix C for attached photos detailing release and impact to pad. See Figure 3 for Site Details Location Map.

#### SOIL DELINEATION AND REMEDIATION WORKPLAN

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

- Impacted soils will be excavated to appropriate depths 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 facilty. Estimated 15 to 25 cubic yards of impacted soils based on visual observations.
- Upon completion of remediation and requisite soil sampling, the site will be backfilled the site 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 delineation and remediation work plan has been approved by the NMOCD, Chevron will commence delineation and 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 432-653-9697 (cell).

Thank you,

my Kindley

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

#### **Attachments:**

Figure 1 - Site Location Map Figure 2 – Aerial Proximity Map Figure 3 - Soil Details Location Map 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

cc: File

## Figure 1 Topographic Map

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## Figure 2 Aerial Proximity Map

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## Figure 3 Site Details and Location Map

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Page 16630f 199

Appendix A Initial Release Notification and Corrective Action Form C-141 •

District [ 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

)

Incident ID	nAPP2212329098
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

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

#### **Location of Release Source**

Latitude 32.30350584__

Longitude -104.04623106_ (NAD 83 in decimal degrees to 5 decimal places)

Site Name: South Culebra Bluff 5 Battery	Site Type: Oil
Date Release Discovered: 5-1-22	API# (if applicable)

Unit Letter	Section	Township	Range	County
L	13	23S	28E	Eddy

Surface Owner: State Kederal Tribal Private (Name: _____

### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls) 9.064	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 1.006	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Flow line developed a pin hole from corrosion.

State of New Mexico Oil Conservation Division

Incident ID	nAPP2212329098
District RP	
Facility ID	
Application ID	

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

#### **Initial Response**

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

The source of the release has been stopped.

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

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Amy Barnhill	Title: Water Specialist
Signature: Drite	Date: 5-3-22
email: ABarnhill@chevron.com	Telephone: 432-687-7108
· · · · · · · · · · · · · · · · · · ·	
OCD Only	
Received by:	Date:

State of New Mexico **Oil Conservation Division** 

Incident ID	nAPP2212329098
District RP	
Facility ID	
Application ID	

#### **Spill Calculations:**

Area 1 Shape: Triangle Secondary Containment?: No Standing Liquid Dimensions: 7 ft x 6 ft x 4 in Total Volume: 1.434 bbl Water Cut: 10% Oil Volume:1.291 bbl Penetration Depth: 4 in Fluid to Soil Volume: .187 bbl Water Volume: 0.143 bbl

#### Area 2

Shape:Rectangle Secondary Containment?: No Standing Liquid Dimensions: 6 ft x 5 ft x 2 in Total Volume: 1.024 bbl Water Cut: 10% Oil Volume: .922 bbl Penetration Depth: 2 in Volume to Soil Volume: .134 bbl Water Volume: 0.102 bbl

#### Area 3

Shape: Rectangle Secondary Containment?: No Standing Liquid Dimensions: 5 ft x 5 ft x 2 in Total Volume: .853 bbl Water Cut: 10% Oil Volume: .768 bbl Penetration Depth: 2 in Fluid to Soil Volume: .111 bbl Water Volume: 0.085 bbl

#### Area 4

11/29/20236 Received by OCD:

Shape: Triangle Secondary Containment?: No Standing Liquid Dimensions: 9 Total Volume: 6.759 bbl Standing Liquid Dimensions: 9 ft x 11 ft x 8 in Total Volume: 6.759 bbl Water Cut: 10% Oil Volume: 6.083 bbl Penetration Depth: 8 in Fluid to Soil Volume: .882 bbl Water Volume: 0.676 bbl

Groundwater Data Maps and Supporting Water Well Data

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## 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 water right file.)	(R=POD been repl O=orpha C=the file closed)	has aced, ned, e is		(	(qua	arten	rs are rs are	J=NW smalle	/ 2 NE est to lar	3 SW 4 Si gest) (N	E) VAD83 UTM in m	eters)	(In i	feet)	
POD Number	Code	POD Sub- basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	x	Y	DistanceDer	th Well Den	W thWater Co	'ater lumn
<u>C 01217</u>		CUB	ED	4	1	3	13	23S	28E	589789	3574371	105	87	50	37
C_04490 POD2		CUB	ED	2	3	3	13	23S	28E	589899	3574259 🔵	242	23	19	4
<u>C 01214</u>		CUB	ED	1	2	3	13	23S	28E	590010	3574597• 🕥	248	70	20	50
<u>C 01967</u>		С	ED		2	3	13	23S	28E	590111	3574498* 🌑	319	264	200	64
<u>C 01215</u>		CUB	ED	4	2	3	13	238	28E	590210	3574397* 🚫	425	104	15	89
<u>C 01216</u>		CUB	ED	4	1	1	13	235	28E	589801	3575205* 🕒	727	60	45	15
<u>C 04584 POD2</u>		CUB	ED	4	2	1	13	23S	28E	590250	3575123 🕥	792	34	19	15
											Averag	e Depth to Wate	r:	52 feet	t
												Minimum Dep	oth	15 feet	ł
												Maximum Dep	th	200 feet	1
Record Count: 7															
UTMNAD83 Radi	us Search (in	meters)	:												
Easting (X): 5	89792 35		North	ing	(Y	):	3574	477_27	,		Radius: 804.67				
*UTM location was derive	d from PLSS -	see Help	i												
The data is furnished by the accuracy, completeness, reli	NMOSE/ISC ability, usability	and is acc , or suital	cepted by the bility for an	е ге у ра	cipi rtici	ent ' ilar	with t purpo	he expr se of th	essed un e data	derstanding ti	hat the OSE/ISC ma	ke no warranties,	expressed or in	plied, concerni	ing the

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WATER COLUMN/ AVERAGE DEPTH TO WATER Page 17306199



## New Mexico Office of the State Engineer Point of Diversion Summary

			(quart (qua	ers are rters a	e 1=N re sm	IW 2- allest i	NE 3-S to larges	W 4-SE) it)	(NAD83 UTM in meters)		
Well Tag	POD	Number	Q64	Q16	<b>Q4</b>	Sec	Tws	Rng	X	Y	
	C 0	1214	1	2	3	13	238	28E	590010	3574597* 🕥	
Driller Lice	nse:	359	Drille	r Coi	npa	ny:	BR	ADY, W	.H. DRILL	ING CO.	
Driller Nam	le:	W.H. BRADY									
Drill Start I	Date:	08/01/1964	Drill F	^r inisł	h Da	te:	0	8/02/196	4 <b>P</b> I	ug Date:	
Log File Date: 11/02/1964		11/02/1964	PCW	Rcv ]	Date	:			Sa	Shallow	
Pump Type:	:		Pipe D	lisch	arge	Size	:		Es		
Casing Size:			Depth	l:		70 feet		D	epth Water:	20 feet	
	Wate	r Bearing Stratific	ations:		To	p B	lottom	Descr	iption		·
					3	32	35	Sands	tone/Grave	l/Conglomerate	
					3	8	39	Sands	tone/Grave	l/Conglomerate	

#### *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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## New Mexico Office of the State Engineer Point of Diversion Summary

			(quart (quar	ers are rters ai	e sm	W 2=1 allest t	NE 3=S' to larges	W 4=SE) t)	SE) (NAD83 UTM in meters)		
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Driller Nan	ne:	W.H. BRADY									
Drill Start Date: 08/03/1964   Log File Date: 09/15/1964		Drill F	inish	I Da	te:	0	8/04/196	54 <b>Pl</b>	Plug Date:		
		09/15/1964	PCW Rcv Date:						So	Shallow	
Pump Type	:		Pipe D	isch	arge	Size	:		Estimated Yield:		
Casing Size:			Depth	:		10	04 feet	De	epth Water:	15 feet	
	Wate	r Bearing Stratific	ations:		To	рB	ottom	Descr	iption		
					1	9	20	Sands	tone/Gravel	/Conglomerat	e
					2	5	31	Sands	tone/Gravel	/Conglomerat	e

#### *UTM location was derived from PLSS - see Help

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## New Mexico Office of the State Engineer Point of Diversion Summary

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Log File Date:	09/15/1964	PCW F	tev Dat	e:			So	urce:	Shallow
Pump Type:		Pipe Di	scharg	e Size	:		Es	timated Yield	l:
Casing Size:		Depth V	Well:		6	) feet	De	pth Water:	45 feet

*UTM location was derived from PLSS - see Help

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## New Mexico Office of the State Engineer Point of Diversion Summary

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Driller Na	me:	W.H. BI	RADY								
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Log File D	ate:	09/15/1	964	PC	W Rcv	Date:				Source:	Shallow
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Casing Siz	e:			Dep	th Well	- I:	8	7 feet		Depth Wate	er: 50 feet
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10/01	/2000	2000		276	A	mb					20.241
10/19	9/2000	2000		279	Α	mb					3.020
01/05	5/2001	2000		291	A	ms					12.423
04/15	5/2001	2001		306	Α	RPT					14.682
05/09	/2001	2001		312	Α	ms					5.732
07/12	2/2001	2001		322	Α	RPT					10.142
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11/08	/2001	2001		344	Α	AM					6.906
01/01	/2003	2002		355	Α	ms					11.314
04/01	/2003	2003		366	Α	ms					11.314
04/01	/2003	2003		369	Α	ms					3.052
06/04	/2003	2003		0	Α	ms					0
06/04	/2003	2003		7	Α	ms					6.678
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08/20	/2003	2003		22	Α	ms					10.412

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10/01/2003	2003		31	Α	RPT		8.788
10/27/2003	2003		36	Α	TW		4.600
01/02/2004	2003		49	Α	ab		13.171
04/01/2004	2004		67	Α	RPT		18.345
07/01/2004	2004		93	A	RPT		26.222
10/01/2004	2004		112	Α	RPT		18.603
01/02/2005	2004		130	Α	RPT		18.402
01/03/2005	2005		31	Α	TW		0
01/29/2005	2005		35	Α	TW		4.470
03/30/2005	2005		48	A	TW		13.120
07/06/2005	2005		70	Α	TW		22.284
01/05/2006	2005		26	R	TW	Meter Rollover	55.703
04/06/2006	2006		49	Α	tw		22.428
07/06/2006	2006		71	Α	tw		21.985
01/09/2007	2006		26	R	tw	Meter Rollover	55.935
07/03/2007	2007		72	Α	tw		45.278
10/11/2007	2007		96	Α	tw		24.730
01/03/2008	2007		18	R	tw	Meter Rollover	21.415
04/24/2008	2008		44	A	tw		25.874
07/17/2008	2008		70	Α	tw		26.000
10/02/2008	2008		5	R	tw	Meter Rollover	35.752
01/15/2009	2008		28	Α	tw		22.762
04/22/2009	2009		50	Α	tw		21.303
08/04/2009	2009		72	Α	tw		22.625
01/06/2010	2009		6	R	ŧw	Meter Rollover	33.717
06/02/2010	2010		37	A	tw		31.586
01/12/2011	2010		88	A	tw		50.274
01/23/2012	2011		74	R	tw	Meter Rollover	86.316
03/12/2012	2012		85	Α	tw		10.930
07/24/2012	2012		14	R	tw	Meter Rollover	28.647
02/13/2013	2012		56	A	tw		42.801
01/24/2014	2013		26	R	tw	Meter Rollover	69.298
07/22/2014	2014		69	A	tw		43.349
01/27/2015	2014		79	Α	tw		10.138
03/11/2016	2015		5	R	tw	Meter Rollover	26.221
08/09/2016	2016		80	Α	tw		74.314
12/28/2016	2016		92	A	tw		11.929
**YTD Mete	er Amounts:	Year			Amount		
		1999			<b>89.49</b> 6		
		2000			65.383		
		2001			52.260		
		2002			11.314		
		2003			63.261		
		2004			81.572		
		2005			95.577		
		2006			100.348		
		2007			91.423		
		2008			110.388		

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	201 201					69.298				
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			20	:016		86.243				
Meter Number:			1401			Meter Make:	MCCROMETER			
Meter Serial Number: Number of Dials: Unit of Measure:				: 17-09535			Meter Multiplier:	100.0000		
				6			Meter Type:	Diversion		
				Gallons			<b>Return Flow Percent:</b>			
Usage Multiplier:							<b>Reading Frequency:</b>			
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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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## New Mexico Office of the State Engineer Point of Diversion Summary

			(quarters are 1-NW 2-NE 3-SW 4-SE) (quarters are smallest to largest)					(NAD83 U			
Well Tag	POD Number		Q64 Q	Q64 Q16 Q4			Rng	х	Y		
	C 0	1967		2 3	13	23S	<b>28</b> E	590111	3574498* 😜		
Driller License: 592		Driller Company: TOMBLIN [					DRILLING	ì			
Driller Nar	ne:										
Drill Start	Date:	06/22/1981	Drill Fin	ish Da	te:	0	7/15/198	1 Pl	ug Date:		
Log File Date: 08/04/19 Pump Type: Casing Size: 6.00		08/04/1981	PCW Ro	PCW Rcv Date:					Source:		
			Pipe Discharge Size:					Es	Estimated Yield:		
		6.00	Depth Well:			20	64 feet	De	Depth Water:		
	Wate	r Bearing Stratif	ications:	То	p E	ottom	Descri	ption			
				25	58	264	Sandst	Sandstone/Gravel/Conglomerate			
6	Casing Per		forations: Top		p B	Bottom					
				25	6	264					

#### *UTM location was derived from PLSS - see Help

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6/9/22 10:09 AM



## New Mexico Office of the State Engineer Point of Diversion Summary

			(quarte) (quar	ers are 1 ters are s	NW 2=	NE 3=S to large:	W 4=SE) at)	(NAD83 U1	(NAD83 UTM in meters)		
Well Tag	POD Number		Q64	4 Sec	Tws Rng		x	Y			
NA	C 0	4490 POD2	2	3	3 13	235	28E	589899	3574259 🔵		
Driller Lice	ense:	1664	Driller	Comp	any:	CA	SCADE	DRILLING	, LP		
Driller Nan	ne:	SHAWN CAIN									
Drill Start	Date:	11/18/2020	Drill F	'inish I	Date:	1	1/19/202	20 Plu	g Date:		
Log File Date: 12/21/2020 Pump Type:		PCW Rcv Date: Pipe Discharge Size:					Sou	Shallow 3 GPM			
							Est				
Casing Size		2.00	Depth	Well:		23 feet		De	Depth Water:		
1		Casing Perfo		Гор В	lottom	1					
					13	23	1				

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6/9/22 10:09 AM
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# New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 U7	(NAD83 UTM in meters)	
Well Tag PC	DD Number	Q64 Q16 Q	4 Sec	Tws	Rng	х	Y	
NA C	04584 POD2	4 2 1	13	23S	28E	590250	3575123 🕥	
Driller License	: 1664	Driller Comp	any:	CA	SCADE	DRILLING	, LP	
Driller Name:	CAIN, SHAWN	N.NJR.L.NER						
Drill Start Date	e: 12/14/2021	Drill Finish D	ate:	1	2/15/202	l Plu	g Date:	
Log File Date: 05/19/2022 Pump Type:		PCW Rev Date:				Source:		Shallow
		Pipe Discharge Size:				Estimated Yield:	0 GPM	
Casing Size:	2.00	Depth Well:		3	4 feet	Dep	oth Water:	19 feet
0	Casing Pert	forations: 7	Гор II 14	Bottom 34				

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.

6/9/22 10:09 AM

POINT OF DIVERSION SUMMARY

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Data Category: Groundwater Geographic Area: United States

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## Search Results -- 1 sites found

Agency code = usgs site_no list = • 321818104025001

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 321818104025001 23S.28E.13.31111

Available data for this site Groundwater: Field measurements 👻

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'18", Longitude 104°02'50" NAD27 Land-surface elevation 2,976 feet above NAVD88 The depth of the well is 210 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

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Agency code = usgs site_no list = • 321821104025501

## Minimum number of levels = 1

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## USGS 321821104025501 23S.28E.14.244323

Available data for this site Groundwater: Field measurements  $\checkmark$ 

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'21", Longitude 104°02'55" NAD27 Land-surface elevation 2,973 feet above NAVD88 The depth of the well is 132 feet below land surface. This well is completed in the Other aquifers (N99990THER) 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

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Agency code = usgs site_no list = • 321825104025901

#### Minimum number of levels = 1

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## USGS 321825104025901 23S.28E.14.243221

Available data for this site Groundwater: Field measurements 💌

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'25", Longitude 104°02'59" NAD27 Land-surface elevation 2,980 feet above NAVD88 The depth of the well is 130 feet below land surface. This well is completed in the Other aquifers (N99990THER) 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
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## Search Results -- 1 sites found

Agency code = usgs site_no list = • 321828104024301

#### Minimum number of levels = 1

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## USGS 321828104024301 23S.28E.13.13142

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'28", Longitude 104°02'43" NAD27 Land-surface elevation 2,980 feet above NAVD88 The depth of the well is 40 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	
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<u>Graph of data</u>	
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## Search Results -- 1 sites found

Agency code = usgs site_no list = • 321828104024601

#### Minimum number of levels = 1

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## USGS 321828104024601 23S.28E.13.13141

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'28", Longitude 104°02'46" NAD27 Land-surface elevation 2,980 feet above NAVD88 The depth of the well is 79 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

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**USGS** Water Resources

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Agency code = usgs site_no list = • 321830104030301

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## USGS 321830104030301 23S.28E.14.241141

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'26.4", Longitude 104°03'06.0" NAD83 Land-surface elevation 2,973 feet above NAVD88 The depth of the well is 80 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

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Tab-separated data		 
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https://nwis.waterdata.usgs.gov/nwis/gwlevels/?site_no=321830104030301&agency_cd=USGS&

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# Appendix C Photographic Documentation

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#### Project Name: South Culebra Bluff 5 Battery Project No: 16103





Project Name: South Culebra Bluff 5 Battery Project No: 16103





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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	156477
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By	Condition	Condition Date
jharimon	The OCD accepts the Site Assessment. The remediation plan is due within 90 days of the date of release. Please submit: 1. Scaled site map diagram with sample points clearly marked 2. Site Assessment/Delineation summary (horizontal and vertical) 3. Delineation sample analytical results (lab tested) 4. Table containing analytical data 5. Description of proposed excavation depths corresponding to analytical table 6. Signed and dated C-141 (Pages 5-6) And all other required items on the Remediation Plan Checklist.	11/15/2022

Action 156477

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	289332
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS					
	Created By	Condition	Condition Date		
	scott.rodgers	Deferral Approved. Final remediation and reclamation/revegetation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.	2/2/2024		

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Action 289332