of New Mexico

Incident ID nRM2009062305

Incident ID	nRM2009062305
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X 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 X No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X 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 X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
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 X No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well X Field data X Data table of soil contaminant concentration data 	ls.

- x Depth to water determination
- ▼ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- X Topographic/Aerial maps
- X 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.

Received by OCD: 3/1/2021 8:59:57 AM State of New Mexico
Page 4
Oil Conservation Division

	Page 2 of 23	7
Incident ID	nRM2009062305	
District RP		
Facility ID		
Application ID		

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: 3-1-21

email: ABarnhill@chevron.com

Telephone: 432-687-7108

Date: _______

Date: _______

Incident ID nRM2009062305
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)
<u>Deferral Requests Only</u> : 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:3-1-21 email: ABarnhill@chevron.com Telephone: 432-687-7108
OCD Only
Received by: Date:
Approved
Signature: Date:

Page 4 of 237

Incident ID nRM2009062305
District RP
Facility ID
Application ID

Closure

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

Closure Report Attachment Checklist: Each of the following items	must be included in the closure report.									
X A scaled site and sampling diagram as described in 19.15.29.11 N	MAC									
X Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)										
X Laboratory analyses of final sampling (Note: appropriate ODC Dis	strict office must be notified 2 days prior to final sampling)									
X Description of remediation activities										
Signature: Dai	141 report by the OCD does not relieve the operator of liability at contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for s. The responsible party acknowledges they must substantially ons that existed prior to the release or their final land use in									
OCD Only										
Received by: Cristina Eads	Date: 04/04/2021									
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface wate party of compliance with any other federal, state, or local laws and/or re	r, human health, or the environment nor does not relieve the responsible gulations.									
Closure Approved by: Mulise	Date:									
Printed Name: Environmental Specialist	Title: Environmental Specialist									

Tracking ID: nRM2009062305 Closure Report Gravitas 2 State SWD #002 Produced Water Release Eddy County, New Mexico

Latitude: N 32.066144° Longitude: W -104.164853°

LAI Project No. 20-0107-10

February 11, 2021

Prepared for: Chevron USA Inc. 6301 Deauville Blvd. Midland, Texas 79706

Prepared by: Larson & Associates, Inc. 507 North Marienfeld Street, Suite 202 Midland, Texas 79701

Mark J. Larson, P.G. Certified Professional Geologist #10490 Robert Nelson Sr. Geoscientist This Page Intentionally Left Blank

Table	of Contents	
1.0	INTRODUCTIO	N4
1.1	Background	4
1.2	Physical Set	ting4
1.3	Remediation	n Action Levels4
2.0	DELINEATION .	5
3.0	REMEDIATION	5
4.0 CL	OSURE REQUEST	Г6
Tables		
	Table 1 Table 2	Delineation Soil Sample Analytical Data Summary Confirmation Soil Sample Analytical Data Summary
Figure	s	
J	Figure 1	Topographic Map
	Figure 2	Aerial Map Showing Sample Locations
	Figure 3	Aerial Map Showing Excavation and Confirmation Sample Locations
	Figure 3a	Focused Aerial Map Showing Excavation and Confirmation Sample Locations
	Figure 4	Aerial Map Showing Boring Hole Location
Appen	dices	
	Appendix A	Chevron Spill Calculation
	Appendix B	Karst Risk Potential
	Appendix C	Boring Log
	Appendix D	Laboratory Reports
	Appendix E	Waste Manifests
	Appendix F	Photographs

Tracking ID: nRM2009062305
Closure Report
Chevron USA, Inc., Gravitas 2 State SWD #002
Produced Water Release
February 11, 2021

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (OCD) District II for a produced water release at the Gravitas 2 State SWD #002 (Site) located in Unit N (SE/4, SW/4), Section 2, Township 26 South, Range 27 East in Eddy County New Mexico. The geodetic position is North 32.066144° and West - 104.164853°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on March 1, 2020, due to a hole on inlet piping resulting from corrosion. Chevron reported that approximately 8.53 barrels (bbls) of produced water was released within the secondary containment (lined berm) and approximately 8.5 bbls were recovered. Inspection of the lined containment did not reveal any defects. The affected area measures approximately 18,551 square feet and the release was confined within the lined containment. The initial C-141 was assigned an incident number of nRM2009062305. Appendix A presents initial Chevron spill documentation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,222 feet above mean sea level (msl).
- The surface topography gradually decreases to the southeast.
- There are no surface water features within 1,000 feet of the Site;
- Karst Data provided by the USGS describes the site as "High Risk" potential.
- The soils are designated as "Reeves-Reagan loams, 0 to 3 percent slopes", consisting of 0 to 8 inches of loam, underlain by 8 to 32 inches of clay loam, and 32 to 60 inches of gypsiferous material (gypsum).
- The geology consists of the Rustler Formation (Upper Permian) consisting of siltstone, gypsum, sandstone, and dolomite deposits (USGS).
- Groundwater occurs at approximately 25.25 feet below ground surface (bgs) based on depth to groundwater measurements 72 hours after drilling a soil boring (BH-1).

Appendix B presents data depicting the karst risk potential. Appendix C presents the boring log (BH-1). Figure 4 presents an aerial map showing the boring hole location.

1.3 Remediation Action Levels

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

Benzene 10 mg/Kg
 BTEX 50 mg/Kg
 TPH 100 mg/Kg
 Chloride 600 mg/Kg

Tracking ID: nRM2009062305
Closure Report
Chevron USA, Inc., Gravitas 2 State SWD #002
Produced Water Release
February 11, 2021

Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

2.0 DELINEATION

On April 3 and May 13, 2020, LAI personnel used a stainless-steel hand auger to collect initial soil samples from nine (9) locations (SP-1 through SP-9) outside the lined containment. The initial soil samples were collected to approximately 0.5 feet below ground surface (bgs) and were delivered under chain of custody and preservation to Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed the samples for benzene, toluene, ethylbenzene and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B and 8015M, and M300, respectively. Benzene, BTEX, and TPH reported below the remediation action levels of 10 milligrams per kilogram (mg/Kg) 50 mg/Kg, and 100 mg/Kg, respectively, in all samples. Chloride exceeded the surface restoration limit (19.15.29.13 NMAC) of 600 mg/Kg in samples S-1, 0 to 0.5 feet (7,050 mg/Kg).

On April 28 and 29, 2020, LAI personnel used direct push technology (DPT) to further delineate the release. Soil samples were collected at 1, 3, and 5 feet bgs. The samples were delivered under chain of custody and preservation to Xenco which analyzed the samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B and 8015M, and M300, respectively. Chloride was delineated below the remediation limit 600 mg/Kg at all sample locations. Table 1 presents the soil sample analytical data summary. Figure 2 presents an aerial map showing the sample locations. Appendix D presents the laboratory reports.

3.0 REMEDIATION

On December 30, 2020, Rocky Peak Construction, Inc. (Rocky Peak), under supervision from LAI, used a hydrovac excavator to expose nearby underground utility lines around the proposed excavation. Soil removed by the Hydrovac was placed in a lined earthen berm containment. On December 31, 2020, Rocky Peak began hand dug the excavation measuring approximately 396 square feet to a depth of approximately one (1) foot bgs. Approximately twenty (20) cubic yards of impacted material was removed and placed in the lined containment.

On January 4, 2021, LAI personnel collected three (3) bottom (C-1 through C-3) and two (2) sidewall (N&W and S&E) confirmation soil samples from the excavation. Laboratory analysis indicated one (1) sidewall samples (N&W) above the OCD closure criteria for chloride (600 mg/Kg) at 1,200 mg/Kg. On January 12, 2021, Rocky Peak excavated an additional one (1) foot from the sidewall (N+W). LAI personnel collected another composite sample (N+W) following removal of additional soil. The final in-situ chloride concentration was 160 mg/Kg. All impacted material and plastic was disposed at the R360 Red Bluff facility approximately 12.83 miles northwest of Orla, Texas.

LAI personnel collected one (1) composite sample of clean caliche from a nearby State of New Mexico borrow pit. Benzene, BTEX, and TPH were below the analytical method reporting limit and chloride was

Tracking ID: nRM2009062305 Closure Report Chevron USA, Inc., Gravitas 2 State SWD #002 Produced Water Release February 11, 2021

less than 600 mg/Kg. On January 28, 2021, the excavation was backfilled to ground surface with clean caliche, Table 2 presents the confirmation soil analytical data summary. Figure 3 presents an aerial map showing the excavation and confirmation sample locations. Figure 3a presents a focused aerial map showing the excavation and confirmation sample locations. Appendix D presents the laboratory reports. Appendix E presents the waste manifests. Appendix F presents photographs.

4.0 CLOSURE REQUEST

Chevron USA requests no further action for nRM2009062305.

Tables

Table 1 Soil Sample Analytical Data Summary Gravitas SWD Eddy County, New Mexico

North 32.065689, West -104.165072

Page 1 of 2

Sample	Depth	Collection	Status	Benzene	BTEX	C6 - C12	C12 - C28	C28 - C35	TPH	Chloride
•	(Feet)	Date		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Remediation Level:				10	50			100	600	
S-1	0 - 0.5	4/3/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	7,050
	1	4/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<5.05
	3	4/29/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	5.27
	5	4/29/2020	In-Situ			<50.0	<50.0	<50.0	<50.0	8.46
S-2	0 - 0.5	4/3/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	55.6
	1	4/28/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	109
	3	4/28/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	82.4
	5	4/28/2020	In-Situ			<49.9	<49.9	<49.9	<49.9	34.7
S-3	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	43.3
	1	4/28/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	23.9
	3	4/28/2020	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	45.8
	5	4/28/2020	In-Situ			<49.9	<49.9	<49.9	<49.9	135
S-4	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	9.03
	1	4/29/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	162
	3	4/29/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	372
	5	4/29/2020	In-Situ			<49.9	<49.9	<49.9	<49.9	22.8
S-5	0 - 0.5	4/3/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	12.1
	1	4/29/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	119
	3	4/29/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	27.1
	5	4/29/2020	In-Situ			<50.0	<50.0	<50.0	<50.0	7.59

Table 1 Soil Sample Analytical Data Summary Gravitas SWD Eddy County, New Mexico

North 32.065689, West -104.165072

Page 2 of 2

Sample	Depth	Collection	Status	Benzene	BTEX	C6 - C12	C12 - C28	C28 - C35	TPH	Chloride
	(Feet)	Date		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Remediat	ion Level:			10	50				100	600
S-6	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	146
	1	4/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	248
	3	4/29/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	103
	5	4/29/2020	In-Situ			<49.9	<49.9	<49.9	<49.9	52.1
S-7	0 - 0.5	4/3/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	30.3
	1	4/29/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	77.1
	3	4/29/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	61.7
	5	4/29/2020	In-Situ			<49.9	<49.9	<49.9	<49.9	11.9
S-8	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	92.6
	1	4/29/2020	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	75.4
	3	4/29/2020	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	27.8
	5	4/29/2020	In-Situ			<50.0	59.5	<50.0	59.5	<4.99
S-9	0 - 0.5	5/13/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	537
	0.5 - 1	5/13/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	364

Notes: Analysis performed by Xenco Laboratories

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm) <: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

Table 2

Confirmation Soil Sample Analytical Data Summary Chevron USA, Gravitas SWD Eddy County, New Mexico North 32.065689 West -104.165072

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
RAL:					10	50				100	600
N+W	Sidewall	0 - 1	1/4/2021	Excavated	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	1,200
			1/12/2021	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	160
S+E	Sidewall	0 - 1	1/4/2021	In-Situ	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<9.96
C-1	Bottom	1	1/4/2021	In-Situ	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<10.1
C-2	Bottom	1	1/4/2021	In-Situ	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<10.1
C-3	Bottom	1	1/4/2021	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	17.5
Backfill Caliche 1	-		1/4/2021	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	15.7

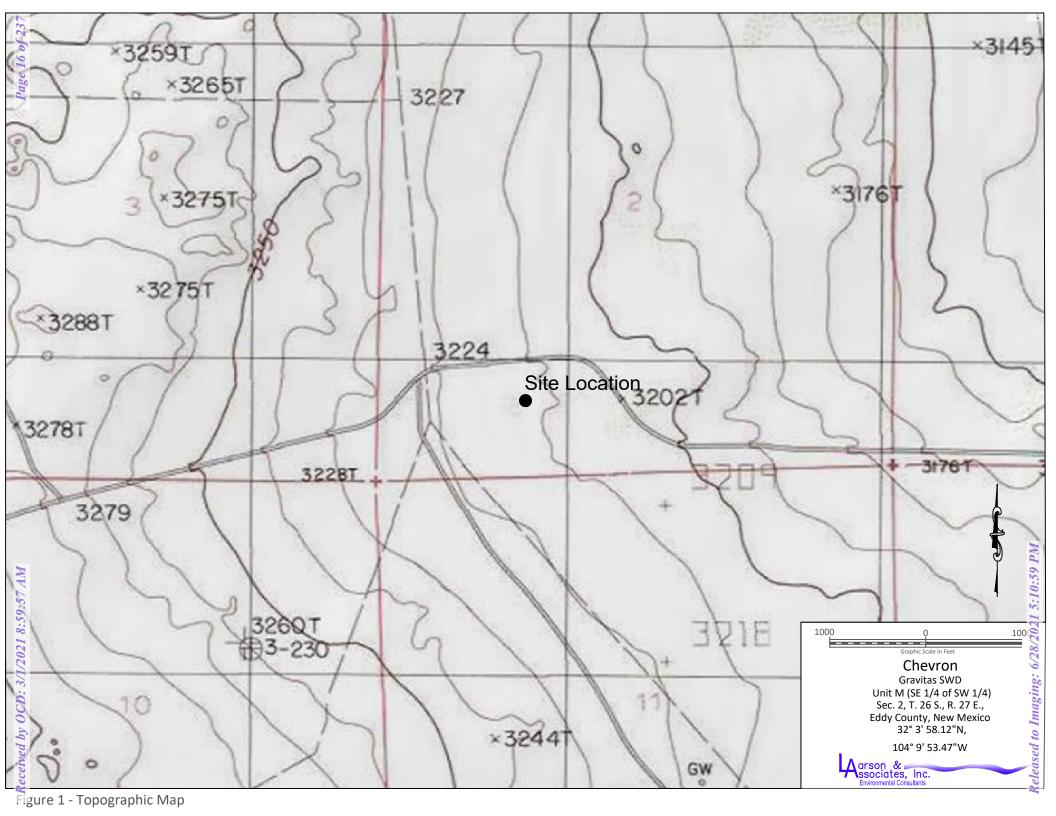
Notes: analysis performed by Xenco Laboratories (Xenco), Midland, Texas and Carlsbad, New Mexico by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and Method 300 (chloride)

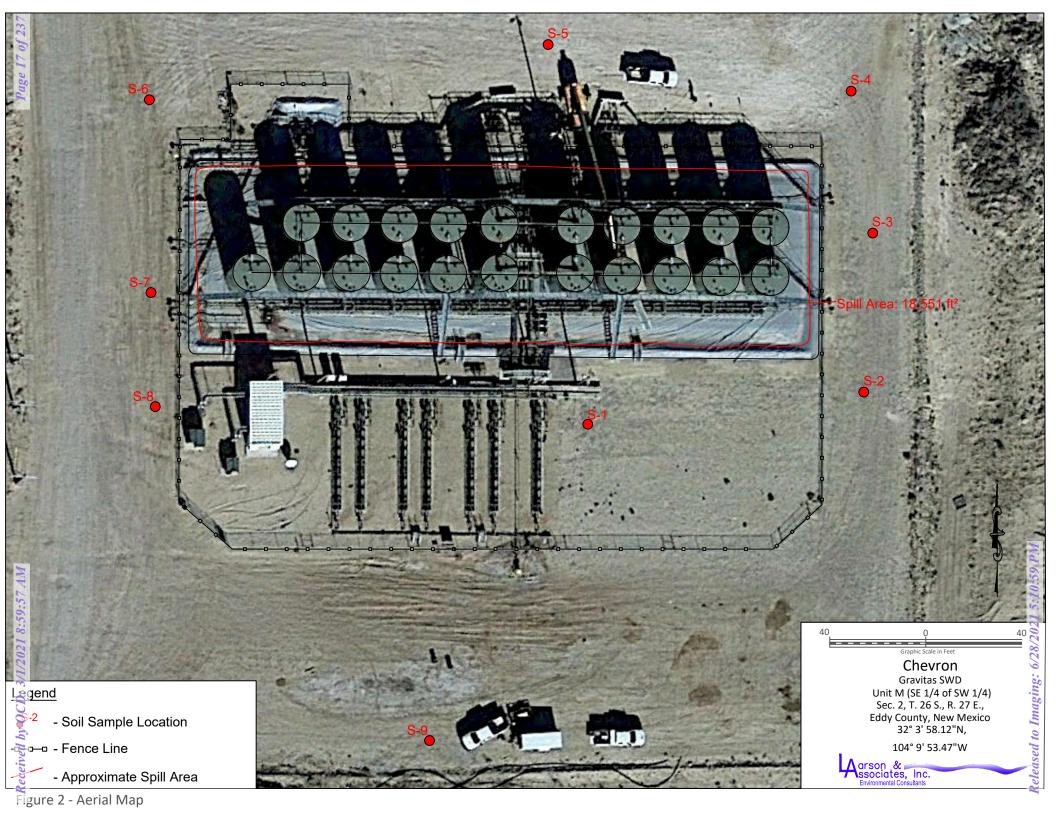
Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

Bold and Highlighted Denotes Conetrations Above OCD Closure Criteria

Figures





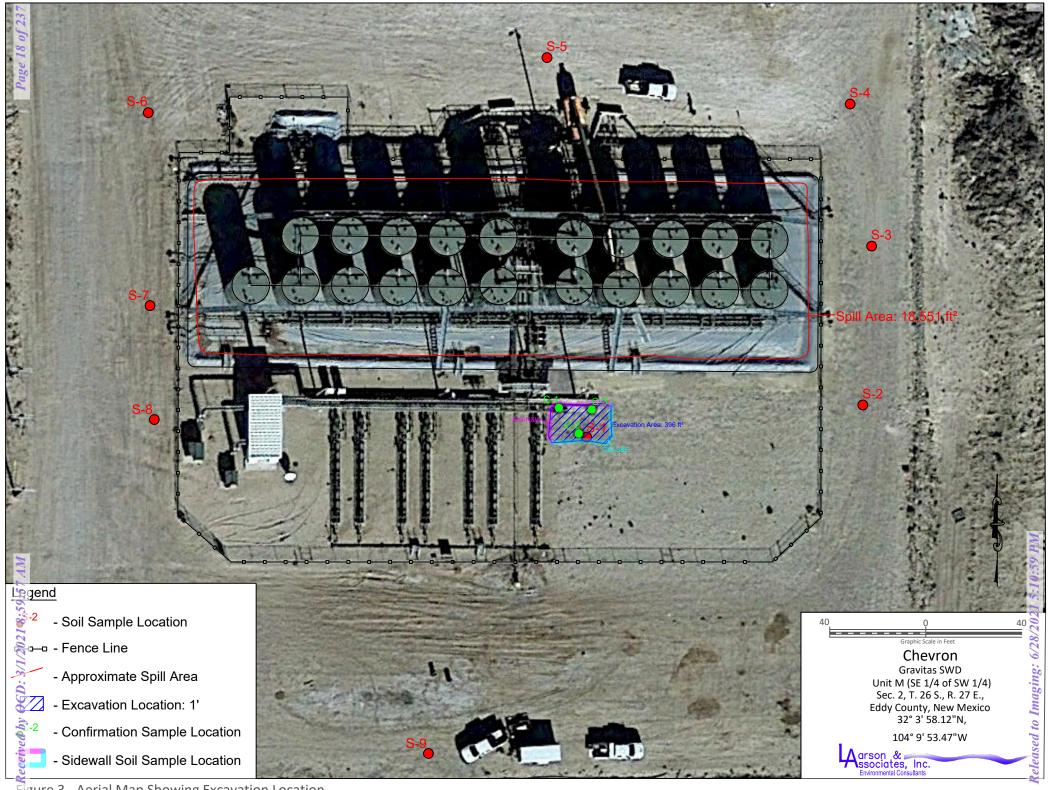


Figure 3 - Aerial Map Showing Excavation Location

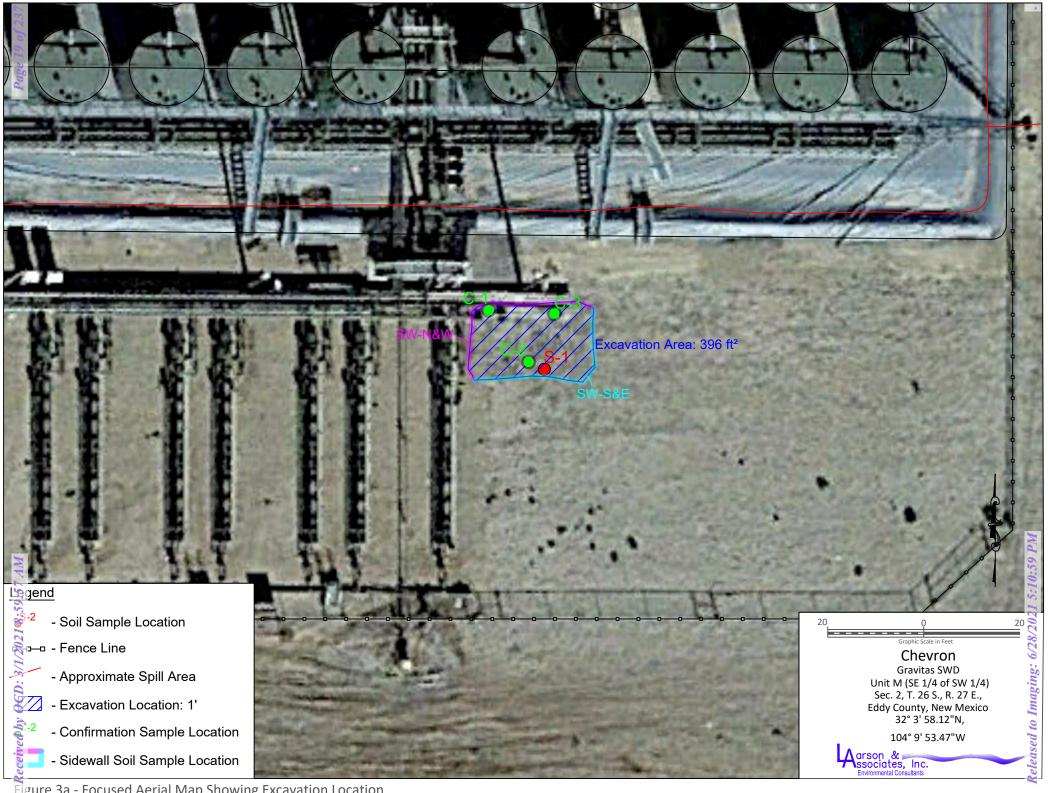


Figure 3a - Focused Aerial Map Showing Excavation Location



Figure 4 - Aerial Map Showing Boring Hole Location

Appendix A

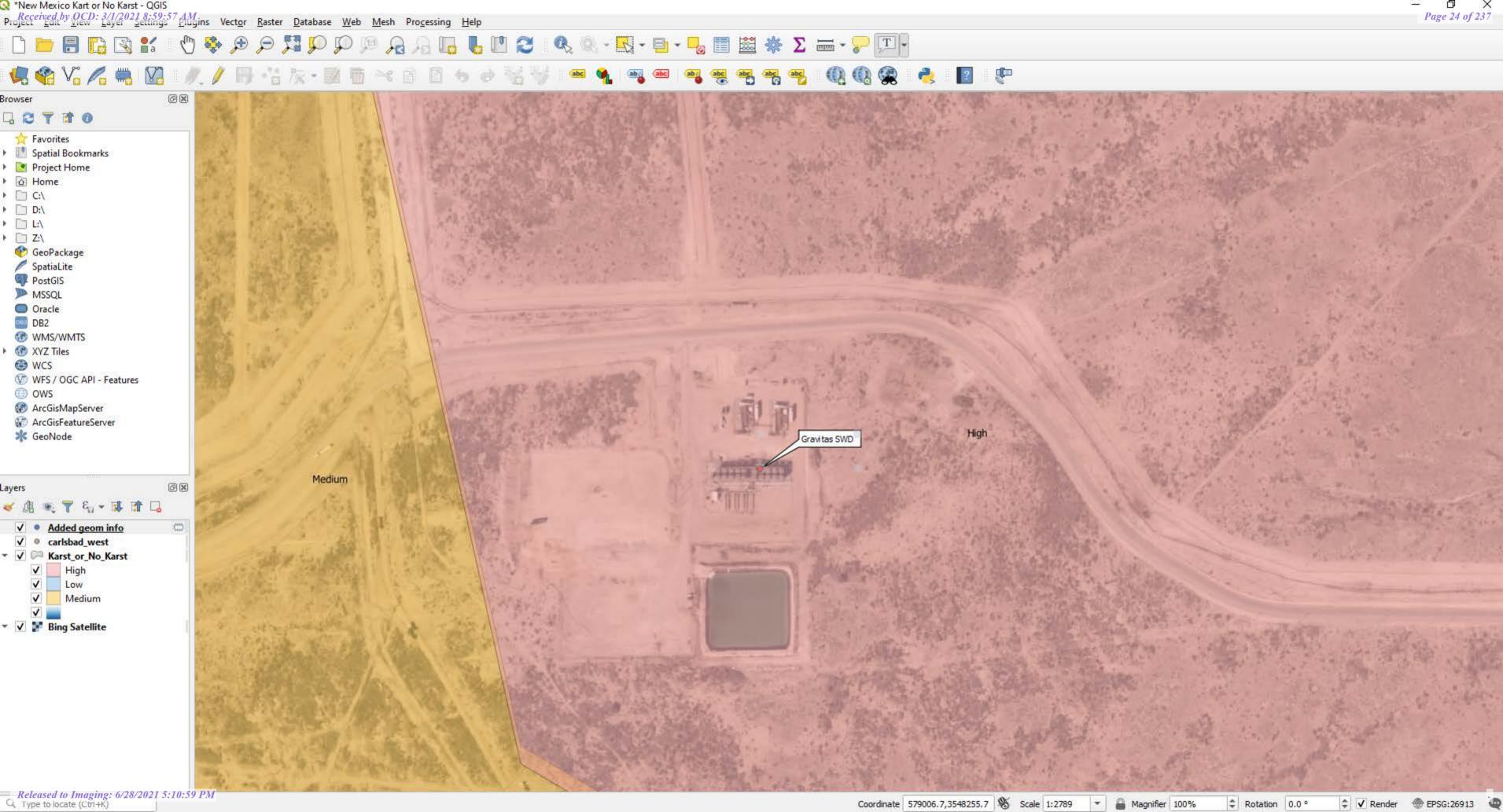
Chevron Spill Calculation

Incident ID	
District RP	
Facility ID	
Application ID	

Only Change Values in Columns B, C & D!										
	Rectan	gular sp	ill	Do Not C	hange Formulas!!					
	All dimens	sions in fee	et!							
					Total Volume of Fluid					
	Length	Width	Dept	th	in Bbls					
Average total depth	115	5		0.0833	8.53					
Use oil depth or skim										
thickness	0	0		0	0.00					
					8.53					

Appendix B

Karst Risk Potential



Appendix C

Boring Log

BORING RECORD																	
		Start: 11	:30		NC	96		PII) R	REA	DIN	3	s	AMP	LE		REMARKS
GEOLOGIC	DEPTH	Finish:	12:30		DESCRIPTION USCS	SRAPHIC LOG	Р	PM	Χ_	1			2	PID READING	RECOVERY		BACKGROUND PID READING
UNIT			CRIPTION LITHO	DLOGIC	SCF	SCI NO HAP		4 6	8 1	10 12	14	16 18	NUMBER	REA	SOVI	ЭTН	SOIL:PPM
						GR								吕	RE(ョ	SOIL :PPM
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	_		ounded, Fine		ML												-
		•	orted, Suban	•]
	5 —	0.5-2cm Caliche	<u>Clast Inclusio</u> 7.5YR 8/1, W	ons /hite									-			5	
			l, Poorly Sort														
	_		Grained, Sub	•		H											4
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	15	Silty San	d, 7.5YR 6/6	Raddish		 							-			15	
	_	, ,	a, 7.51K 6/6; Rounded, Fin			: <u>: </u>											
			orted, Suban														_
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		Inclusion														20	
	_	7.5YR 6/	8, Reddish Y	ellow,		$ \cdot \cdot $											_
D 11 1			lar, 0.5-2.5cr	n Diametei	r												
Depth to Water:	25 Clast Inc		·/ <u>·</u>												25	·	
25.25	─ White, F		and, 2.5YR 8		1												-
			ne Grained, I														
			orted, Suban Diameter Cla													-	
	30 —	Inclusion													30		
	_	Inclusion	3		SM												-
	35 —															35	
					-												
	_																_
	40 —																
			and, Very Fir		,											40	-
			inded, Poorly														
			1, White, Sub lusions, 0.5-1														_
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	_	Diameter															\exists
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ПО	NE CONTINI	JOUS AUGER S	SAMPLER —		BLE (TIME	OF BORING	J(OB N	١U١	MBI	ER:	Ċ	he	vror	1/2	20	-0107-03
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water table (24 Hrs) NR NO RECOVERY LAI GEOLOGIST : R. Ne										els	on						
1.			DRILL DATE :		BORING I	NUMBER :		DRILLING CONTRACTOR: SDI									
Agrson & Sociates, In Environmental Consulta	BH	BH-1 DRILLING METHOD: Air Rotary					ary										

BORING RECORD																	
		Start: 11	:30		DESCRIPTION USCS GRAPHIC LOG			PID READING				S	AMP	LE		REMARKS	
GEOLOGIC	DEPTH	Finish:	12:30		IIPTI CS	SRAPHIC LOG	PF	PPM X_1				2	SNIC	ŀΚΥ		BACKGROUND	
UNIT		DESC	CRIPTION LITH	OLOGIC	SCF	APH	2 4	2 4 6 8 10 12 14 16 18					NUMBER	READING	RECOVERY	PTH	PID READING
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OI	NE CONTINU	JOUS AUGER S	SAMPLER	WATER TAE	BLE (TIME	OF BORING	, ,										-0107-03
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	NDISTURBE		+		•	NS/ SQ. FT)											lsbad, NM
— w	ATER TABLI	E (24 HRS)	NF	NO RECOVI		NUMBER :		AI GE									SDI
Agrson & ssociates, Environmental Consult	nc.		DRILL DATE : 04-29-2	2020	BH			RILL RILL									
Environmental Consult	antS				1		احل			- 171	'		_		'		,

Appendix D

Laboratory Reports



Certificate of Analysis Summary 657958

Larson and Associates, Inc., Midland, TX

Project Name: Chevron.Gravitas SWD

Project Id: 20-0107-10
Contact: Mark Larson

Date Received in Lab: Mon 04.06.2020 09:20

Report Date: 04.14.2020 10:06

Project Location: Project Manager: Holly Taylor

Lab Id:		657958-0	01	657958-0	002	657958-0	003	657958-004		657958-005		657958-006		
Analysis Requested	Field Id:	S-1		S-2		S-3		S-4		S-5		S-6		
Anaiysis Kequesieu	Depth:													
	Matrix:	SOIL	SOIL		SOIL		SOIL		,	SOIL		SOIL		
	Sampled:	04.03.2020	04.03.2020 12:00		04.03.2020 12:05		04.03.2020 12:10		04.03.2020 12:16		04.03.2020 12:22		04.03.2020 12:27	
BTEX by EPA 8021B	Extracted:	04.11.2020	04.11.2020 11:45		11:45	04.11.2020 11:45		04.11.2020 11:45		04.11.2020 11:45		04.11.2020 11:45		
	Analyzed:	04.12.2020	04.12.2020 21:40		04.12.2020 22:00		04.12.2020 22:21		22:41	04.12.2020 23:01		04.12.2020 23:22		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Benzene		< 0.00199	0.00199	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	
Toluene		< 0.00199	0.00199	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	
Ethylbenzene		< 0.00199	0.00199	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	
m,p-Xylenes		< 0.00398	0.00398	< 0.00397	0.00397	< 0.00399	0.00399	< 0.00399	0.00399	< 0.00398	0.00398	< 0.00400	0.00400	
o-Xylene		< 0.00199	0.00199	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	
Total Xylenes		< 0.00199	0.00199	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	
Total BTEX		< 0.00199	0.00199	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	
Chloride by EPA 300	Extracted:	04.06.2020	15:40	04.06.2020 15:40		04.06.2020 15:40		04.06.2020 15:40		04.06.2020 15:40		04.06.2020 15:40		
	Analyzed:	04.06.2020	18:08	04.06.2020	18:15	04.07.2020 08:39		04.07.2020 08:46		04.07.2020 08:53		04.06.2020 19:16		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Chloride		7050	100	55.6	50.2	43.3	4.99	9.03	5.03	12.1	4.95	146	50.4	
TPH by SW8015 Mod	Extracted:	04.07.2020	14:00	04.07.2020	14:00	04.07.2020	14:00	04.07.2020	14:00	04.07.2020	14:00	04.08.2020	11:00	
	Analyzed:	04.08.2020	01:19	04.08.2020	01:41	04.08.2020	02:24	04.08.2020	02:46	04.08.2020	03:08	04.08.2020	14:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	<49.9	49.9	<49.8	49.8	< 50.0	50.0	<49.9	49.9	<49.8	49.8	
Diesel Range Organics (DRO)		< 50.0	50.0	<49.9	49.9	<49.8	49.8	< 50.0	50.0	<49.9	49.9	<49.8	49.8	
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0	<49.9	49.9	<49.8	49.8	< 50.0	50.0	<49.9	49.9	<49.8	49.8	
Total TPH		< 50.0	50.0	<49.9	49.9	<49.8	49.8	< 50.0	50.0	<49.9	49.9	<49.8	49.8	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor Project Manager

Certificate of Analysis Summary 657958

Larson and Associates, Inc., Midland, TX

Project Name: Chevron.Gravitas SWD

Project Id: 20-0107-10 Mark Larson **Contact:**

Date Received in Lab: Mon 04.06.2020 09:20

Report Date: 04.14.2020 10:06

Project Manager: Holly Taylor **Project Location:**

	Lab Id:	657958-0	07	657958-0	008		
Analysis Requested	Field Id:	S-7		S-8			
Anatysis Requested	Depth:						
	Matrix:	SOIL		SOIL			
	Sampled:	04.03.2020	12:34	04.03.2020	12:42		
BTEX by EPA 8021B	Extracted:	04.11.2020	11:45	04.11.2020	11:45		
	Analyzed:	04.12.2020	23:42	04.13.2020	00:03		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		< 0.00198	0.00198	< 0.00200	0.00200		
Toluene		< 0.00198	0.00198	< 0.00200	0.00200		
Ethylbenzene		< 0.00198	0.00198	< 0.00200	0.00200		
m,p-Xylenes	m,p-Xylenes		0.00397	< 0.00399	0.00399		
o-Xylene		< 0.00198	0.00198	< 0.00200	0.00200		
Total Xylenes		< 0.00198	0.00198	< 0.00200	0.00200		
Total BTEX		< 0.00198	0.00198	< 0.00200	0.00200		
Chloride by EPA 300	Extracted:	04.06.2020 15:40		04.06.2020 15:40			
	Analyzed:	04.06.2020	19:23	04.06.2020	19:30		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		30.3	24.8	92.6	49.5		
TPH by SW8015 Mod	Extracted:	04.08.2020	11:00	04.08.2020	11:00		
	Analyzed:	04.08.2020	14:55	04.08.2020	15:14		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	<49.9	49.9		
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9		
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0	<49.9	49.9		
Total TPH		< 50.0	50.0	<49.9	49.9		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor Project Manager



Analytical Report 657958

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Chevron.Gravitas SWD 20-0107-10 04.14.2020

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Tampa: Florida (E87429), North Carolina (483)



04.14.2020

Project Manager: Mark Larson Larson and Associates, Inc. P. O. Box 50685 Midland, TX 79710

Reference: XENCO Report No(s): **657958 Chevron.Gravitas SWD**Project Address:

Mark Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657958. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 657958 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor

Holly Taylor

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id	Matrix	Date Collected Sample	Depth Lab Sample Id
S-1	S	04.03.2020 12:00	657958-001
S-2	S	04.03.2020 12:05	657958-002
S-3	S	04.03.2020 12:10	657958-003
S-4	S	04.03.2020 12:16	657958-004
S-5	S	04.03.2020 12:22	657958-005
S-6	S	04.03.2020 12:27	657958-006
S-7	S	04.03.2020 12:34	657958-007
S-8	S	04.03.2020 12:42	657958-008

CASE NARRATIVE

Client Name: Larson and Associates, Inc. Project Name: Chevron.Gravitas SWD

 Project ID:
 20-0107-10
 Report Date:
 04.14.2020

 Work Order Number(s):
 657958
 Date Received:
 04.06.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3122857 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-1

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-001

Date Collected: 04.03.2020 12:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

Analyst: CHE

Date Prep: 04.06.2020 15:40

Basis:

Wet Weight

Seq Number: 3122157

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7050	100	mg/kg	04.06.2020 18:08		20

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 04.07.2020 14:00 Basis: Wet Weight

Seq Number: 3122297

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	04.08.2020 01:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	04.08.2020 01:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	04.08.2020 01:19	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	04.08.2020 01:19	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	112	%	70-130	04.08.2020 01:19		
o-Terphenyl		84-15-1	122	%	70-130	04.08.2020 01:19		



Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-1 Matrix: Soil Date Received:04.06.2020 09:20

Lab Sample Id: 657958-001

Date Collected: 04.03.2020 12:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL % Moisture:

KTL

Analyst:

Date Prep: 04.11.2020 11:45 Basis: Wet Weight

Seq Number: 3122857

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	04.12.2020 21:40	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	04.12.2020 21:40	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	04.12.2020 21:40	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	04.12.2020 21:40	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	04.12.2020 21:40	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	04.12.2020 21:40	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	04.12.2020 21:40	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	
1.4.75'01 1	-	10.26.2	100	0/	70.100	04 12 2020 21 40		

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.12.2020 21:40	
4-Bromofluorobenzene	460-00-4	118	%	70-130	04.12.2020 21:40	



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-2

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-002

Date Collected: 04.03.2020 12:05

Prep Method: E300P

CHE.

CHE

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: CHE

Analyst:

Date Prep:

04.06.2020 15:40

Basis:

Wet Weight

Seq Number: 3122157

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	55.6	50.2	mg/kg	04.06.2020 18:15		10

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 04.07.2020 14:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	04.08.2020 01:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	04.08.2020 01:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	04.08.2020 01:41	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	04.08.2020 01:41	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	109	%	70-130	04.08.2020 01:41
o-Terphenyl	84-15-1	120	%	70-130	04.08.2020 01:41



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-2

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-002

Analytical Method: BTEX by EPA 8021B

Date Collected: 04.03.2020 12:05

Prep Method: SW5030B

% Moisture:

Tech: KTL

Analyst:

KTL Date Prep:

04.11.2020 11:45

70-130

Basis: Wet Weight

04.12.2020 22:00

Seq Number: 3122857

1,4-Difluorobenzene

		Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	04.12.2020 22:00	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	04.12.2020 22:00	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	04.12.2020 22:00	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	04.12.2020 22:00	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	04.12.2020 22:00	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	04.12.2020 22:00	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	04.12.2020 22:00	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	126	%	70-130	04.12.2020 22:00		

107

540-36-3



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-3

Matrix:

Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-003

Date Collected: 04.03.2020 12:10

Prep Method: E300P

% Moisture:

Tech: Cl

Analyst:

CHE CHE

Analytical Method: Chloride by EPA 300

Date Prep: 04.06.2020 15:40

Basis:

Wet Weight

Seq Number: 3122157

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 43.3
 4.99
 mg/kg
 04.07.2020 08:39
 1

Analytical Method: TPH by SW8015 Mod

DVM

Analyst: ARM

o-Terphenyl

Tech:

Date Prep: 04.07.2020 14:00

Prep Method: SW8015P % Moisture:

04.08.2020 02:24

70 Moisture.

Basis:

70-130

Wet Weight

Seq Number: 3122297

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	04.08.2020 02:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	04.08.2020 02:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	04.08.2020 02:24	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	04.08.2020 02:24	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	105	%	70-130	04.08.2020 02:24		

116

84-15-1



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-3 Matrix: Soil Date Received:04.06.2020 09:20

Lab Sample Id: 657958-003

Date Collected: 04.03.2020 12:10

Prep Method: SW5030B % Moisture:

Tech:

KTL

Analytical Method: BTEX by EPA 8021B

04.11.2020 11:45

KTL Analyst:

Date Prep: Seq Number: 3122857

Wet Weight Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Toluene	108-88-3	< 0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399	mg/kg	04.12.2020 22:21	U	1
o-Xylene	95-47-6	< 0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Total BTEX		< 0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	04.12.2020 22:21	
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.12.2020 22:21	



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-4 Matrix:

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-004

Soil Date Collected: 04.03.2020 12:16

Prep Method: E300P

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: Analyst: CHE CHE

Wet Weight

Seq Number: 3122157

Date Prep:

04.06.2020 15:40

Basis:

Parameter	Cas Number	Result	KL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9.03	5.03	mg/kg	04.07.2020 08:46		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

04.07.2020 14:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	04.08.2020 02:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	04.08.2020 02:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	04.08.2020 02:46	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	04.08.2020 02:46	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	98	%	70-130	04.08.2020 02:46
o-Terphenyl	84-15-1	107	%	70-130	04.08.2020 02:46



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-4

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-004

Date Collected: 04.03.2020 12:16

24.0 2011001041 0 110012020 12110

Prep Method: SW5030B

04.12.2020 22:41

% Moisture:

Tech: KTL

Analyst:

KTL

Analytical Method: BTEX by EPA 8021B

Date Prep: 04.11.2020 11:45

Basis:

70-130

Wet Weight

Seq Number: 3122857

1,4-Difluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.12.2020 22:41	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.12.2020 22:41	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.12.2020 22:41	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	04.12.2020 22:41	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.12.2020 22:41	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.12.2020 22:41	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.12.2020 22:41	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	116	%	70-130	04.12.2020 22:41		

107

540-36-3



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-5

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-005

Date Collected: 04.03.2020 12:22

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

CHE

Analytical Method: Chloride by EPA 300

Date Prep: 04.06.2020 15:40

Basis:

Wet Weight

Seq Number: 3122157

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.1	4.95	mg/kg	04.07.2020 08:53		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:

Analyst:

DVM ARM

Date Prep: 04.07.2020 14:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	04.08.2020 03:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	04.08.2020 03:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	04.08.2020 03:08	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	04.08.2020 03:08	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-5

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-005

Date Collected: 04.03.2020 12:22

Prep Method: SW5030B

% Moisture:

Tech: K7

Analyst:

KTL KTL

Analytical Method: BTEX by EPA 8021B

Date Prep: 04.11.2020 11:45

Basis:

Wet Weight

Parameter	Cas Number	r Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	04.12.2020 23:01	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	04.12.2020 23:01	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	04.12.2020 23:01	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	04.12.2020 23:01	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	04.12.2020 23:01	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	04.12.2020 23:01	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	04.12.2020 23:01	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	123	%	70-130	04.12.2020 23:01		
1,4-Difluorobenzene		540-36-3	108	%	70-130	04.12.2020 23:01		



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-6

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-006

Date Collected: 04.03.2020 12:27

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

CHE

Analytical Method: Chloride by EPA 300

Date Prep: 04.06.2020 15:40

Basis:

Wet Weight

Seq Number: 3122157

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	146	50.4	mg/kg	04.06.2020 19:16		10

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 04.08.2020 11:00

Basis:

Wet Weight

Parameter	Cas Numbe	er Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	3 49.8		mg/kg	04.08.2020 14:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	3 49.8		mg/kg	04.08.2020 14:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	3 49.8		mg/kg	04.08.2020 14:37	U	1
Total TPH	PHC635	<49.8	3 49.8		mg/kg	04.08.2020 14:37	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	81	%	70-130	04.08.2020 14:37		
o-Terphenyl		84-15-1	83	%	70-130	04.08.2020 14:37		



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-6

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-006

Date Collected: 04.03.2020 12:27

Prep Method: SW5030B

% Moisture:

70-130

Tech: KTL

Analyst:

KTL

Analytical Method: BTEX by EPA 8021B

Date Prep: 04.11.2020 11:45

Basis: We

04.12.2020 23:22

Wet Weight

Seq Number: 3122857

1,4-Difluorobenzene

Parameter	Cas Number	Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.12.2020 23:22	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.12.2020 23:22	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.12.2020 23:22	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	04.12.2020 23:22	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.12.2020 23:22	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.12.2020 23:22	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.12.2020 23:22	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	117	%	70-130	04.12.2020 23:22		

105

540-36-3



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-7

Matrix:

Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-007

Date Collected: 04.03.2020 12:34

Prep Method: E300P

% Moisture:

Tech: Cl

Analyst:

CHE CHE

Analytical Method: Chloride by EPA 300

Date Prep: 04.06.2020 15:40

Basis:

Wet Weight

Seq Number: 3122157

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 30.3
 24.8
 mg/kg
 04.06.2020 19:23
 5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 04.08.2020 11:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	04.08.2020 14:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	04.08.2020 14:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	04.08.2020 14:55	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	04.08.2020 14:55	U	1
Surrogate	C	as Number 0	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	F
1-Chlorooctane	111-85-3	77	%	70-130	04.08.2020 14:55	
o-Terphenyl	84-15-1	80	%	70-130	04.08.2020 14:55	



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-7 Matrix:

Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-007

Date Collected: 04.03.2020 12:34

Prep Method: SW5030B

Tech:

KTL

Analytical Method: BTEX by EPA 8021B

Date Prep: 04.11.2020 11:45 % Moisture:

Basis:

Wet Weight

Analyst:

KTL

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Toluene	108-88-3	< 0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397	mg/kg	04.12.2020 23:42	U	1
o-Xylene	95-47-6	< 0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Total BTEX		< 0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	04.12.2020 23:42	
4-Bromofluorobenzene	460-00-4	126	%	70-130	04.12.2020 23:42	



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-8

Matrix: Soil

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-008

Date Collected: 04.03.2020 12:42

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

CHE

Analytical Method: Chloride by EPA 300

Date Prep: 04.06.2020 15:40

Basis:

Wet Weight

Seq Number: 3122157

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	92.6	49.5	mg/kg	04.06.2020 19:30		10

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

70-130

Tech: Analyst: DVM ARM

Date Prep: 04.08.2020 11:00

Basis: Wet

04.08.2020 15:14

Wet Weight

Seq Number: 3122469

o-Terphenyl

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	04.08.2020 15:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	04.08.2020 15:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	04.08.2020 15:14	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	04.08.2020 15:14	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	84	%	70-130	04.08.2020 15:14		

87

84-15-1



Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: S-8 Matrix:

Date Prep:

Date Received:04.06.2020 09:20

Lab Sample Id: 657958-008

Soil Date Collected: 04.03.2020 12:42

04.11.2020 11:45

Prep Method: SW5030B

Tech:

Analyst:

KTL KTL

Analytical Method: BTEX by EPA 8021B

% Moisture: Basis:

Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.13.2020 00:03	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.13.2020 00:03	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.13.2020 00:03	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	04.13.2020 00:03	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.13.2020 00:03	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.13.2020 00:03	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.13.2020 00:03	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	114	%	70-130	04.13.2020 00:03		
1,4-Difluorobenzene		540-36-3	112	%	70-130	04.13.2020 00:03		



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Flag

Flag

Flag

RPD

Prep Method:

Units

E300P

Analysis

%RPD

Limits

LCSD

QC Summary 657958



Larson and Associates, Inc.

Chevron.Gravitas SWD

LCSD

E300P Analytical Method: Chloride by EPA 300 Prep Method: Seg Number: 3122157 Matrix: Solid Date Prep: 04.06.2020

LCS

7700637-1-BLK LCS Sample Id: 7700637-1-BKS LCSD Sample Id: 7700637-1-BSD MB Sample Id: LCS

Parameter Result Amount Result %Rec Result %Rec Limit Date Chloride < 5.00 250 249 100 90-110 0 20 04.06.2020 16:32 249 100 mg/kg

Analytical Method: Chloride by EPA 300

Spike

MB

Prep Method: E300P Seq Number: 3122157 Matrix: Soil Date Prep: 04.06.2020 657957-005 MS Sample Id: 657957-005 S MSD Sample Id: 657957-005 SD Parent Sample Id:

Parent Spike MS MS MSD MSD Limits %RPD RPD Units Analysis **Parameter** Flag Result Amount Result %Rec %Rec Limit Date Result

04.06.2020 16:52 Chloride < 5.03 252 273 108 268 106 90-110 2 20 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3122157 Matrix: Soil Date Prep: 04.06.2020

MS Sample Id: 657957-013 S MSD Sample Id: 657957-013 SD 657957-013 Parent Sample Id:

Spike **RPD** MS MS %RPD Units Parent MSD **MSD** Limite Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec 20 04.06.2020 18:28 Chloride 6.02 249 272 107 269 106 90-110 mg/kg

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

3122297 Matrix: Solid Seq Number: Date Prep: 04.07.2020 MB Sample Id: 7700740-1-BLK LCS Sample Id: 7700740-1-BKS LCSD Sample Id: 7700740-1-BSD

MB Spike LCS LCS LCSD LCSD Limits %RPD **RPD** Units Analysis **Parameter** Result Limit Date Result Amount %Rec %Rec Result Gasoline Range Hydrocarbons (GRO) 04.07.2020 21:02 70-130 20 < 50.0 1000 1100 110 966 97 13 mg/kg 04.07.2020 21:02 Diesel Range Organics (DRO) 1060 70-130 20 < 50.0 1000 1180 118 106 11 mg/kg

LCS MBMB LCS LCSD Limits Units Analysis LCSD **Surrogate** %Rec %Rec Flag Date Flag %Rec Flag 04.07.2020 21:02 1-Chlorooctane 114 118 104 70-130 % 04.07.2020 21:02 o-Terphenyl 128 116 114 70-130 %

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

Seq Number: 3122469 Matrix: Solid Date Prep: 04.08.2020 LCS Sample Id: 7700811-1-BKS LCSD Sample Id: 7700811-1-BSD MB Sample Id: 7700811-1-BLK

MB Spike LCS LCS %RPD RPD Units Analysis LCSD LCSD Limits **Parameter** Limit Result Amount Result %Rec Date Result %Rec Gasoline Range Hydrocarbons (GRO) 04.08.2020 12:46 812 1000 81 807 81 20 < 50.0 70-130 1 mg/kg 04.08.2020 12:46 Diesel Range Organics (DRO) 70-130 < 50.0 1000 888 89 882 88 1 20 mg/kg

MB MB LCS LCS LCSD Units Analysis LCSD Limits **Surrogate** Flag Date %Rec Flag %Rec %Rec Flag 04.08.2020 12:46 1-Chlorooctane 82 92 96 70-130 % 04.08.2020 12:46 o-Terphenyl 87 90 91 70-130 %

MS/MSD Percent Recovery [D] = 100*(C-A) / BRelative Percent Difference $RPD = 200* \mid (C-E) \mid (C+E) \mid$ [D] = 100 * (C) / [B]LCS/LCSD Recovery

Log Diff. = Log(Sample Duplicate) - Log(Original Sample) Log Difference

LCS = Laboratory Control Sample = Parent Result

= MS/LCS Result = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

SW8015P

Units

Analysis

Flag

Flag



Larson and Associates, Inc.

Chevron.Gravitas SWD

Analytical Method: TPH by SW8015 Mod

Prep Method: 04.07.2020 Seq Number: 3122297 Matrix: Solid Date Prep:

MB Sample Id: 7700740-1-BLK

MB Units Analysis Flag **Parameter** Result Date

Motor Oil Range Hydrocarbons (MRO) < 50.0 04.07.2020 20:41 mg/kg

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

MB

Seq Number: 3122469 Matrix: Solid Date Prep: 04.08.2020

MB Sample Id: 7700811-1-BLK

Parameter Result Date

Motor Oil Range Hydrocarbons (MRO) 04.08.2020 12:28 < 50.0 mg/kg

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

3122297 Seq Number: Matrix: Soil Date Prep: 04.07.2020 MS Sample Id: 657880-004 S MSD Sample Id: 657880-004 SD Parent Sample Id: 657880-004

Spike **RPD** MS MS %RPD Units Parent MSD **MSD** Limits Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Gasoline Range Hydrocarbons (GRO) <49.9 997 97 1030 20 04.07.2020 22:06 965 103 70-130 7 mg/kg Diesel Range Organics (DRO) 85.0 997 1100 102 1200 70-130 9 20 04.07.2020 22:06 112 mg/kg

MS MS **MSD** Limits Units Analysis MSD **Surrogate** Flag Flag %Rec %Rec Date 04.07.2020 22:06 1-Chlorooctane 101 110 70-130 % o-Terphenyl 112 123 70-130 % 04.07.2020 22:06

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Seq Number: 3122469 Matrix: Soil Date Prep: 04.08.2020 MS Sample Id: MSD Sample Id: 658227-041 SD Parent Sample Id: 658227-041 658227-041 S

%RPD RPD **Parent** Spike MS MS **MSD MSD** Limits Units Analysis **Parameter** Result Limit Date Result %Rec Amount Result %Rec Gasoline Range Hydrocarbons (GRO) 20 04.08.2020 13:41 <49.9 997 838 84 934 94 70-130 11 mg/kg 70-130 04.08.2020 13:41 <49.9 97 1080 Diesel Range Organics (DRO) 997 968 108 11 20 mg/kg

MS MS **MSD** Limits Units Analysis **MSD Surrogate** %Rec Flag %Rec Flag Date 04.08.2020 13:41 91 101 1-Chlorooctane 70-130 % 04.08.2020 13:41 o-Terphenyl 82 90 70-130 %



Larson and Associates, Inc.

Chevron.Gravitas SWD

Prep Method: SW5030B Analytical Method: BTEX by EPA 8021B Seq Number: 3122857 Matrix: Solid Date Prep: 04.11.2020 LCS Sample Id: 7701183-1-BKS MB Sample Id: 7701183-1-BLK LCSD Sample Id: 7701183-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.0885	89	0.0920	92	70-130	4	35	mg/kg	04.12.2020 19:17	
Toluene	< 0.00200	0.100	0.0956	96	0.0939	94	70-130	2	35	mg/kg	04.12.2020 19:17	
Ethylbenzene	< 0.00200	0.100	0.0938	94	0.0905	91	70-130	4	35	mg/kg	04.12.2020 19:17	
m,p-Xylenes	< 0.00400	0.200	0.189	95	0.181	91	70-130	4	35	mg/kg	04.12.2020 19:17	
o-Xylene	< 0.00200	0.100	0.0979	98	0.0934	93	70-130	5	35	mg/kg	04.12.2020 19:17	
Surrogate	MB %Rec	MB Flag			LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene	107		10	03		106		70	-130	%	04.12.2020 19:17	
4-Bromofluorobenzene	110		10	05		103		70	-130	%	04.12.2020 19:17	

Analytical Method: BTEX by EPA 8021B

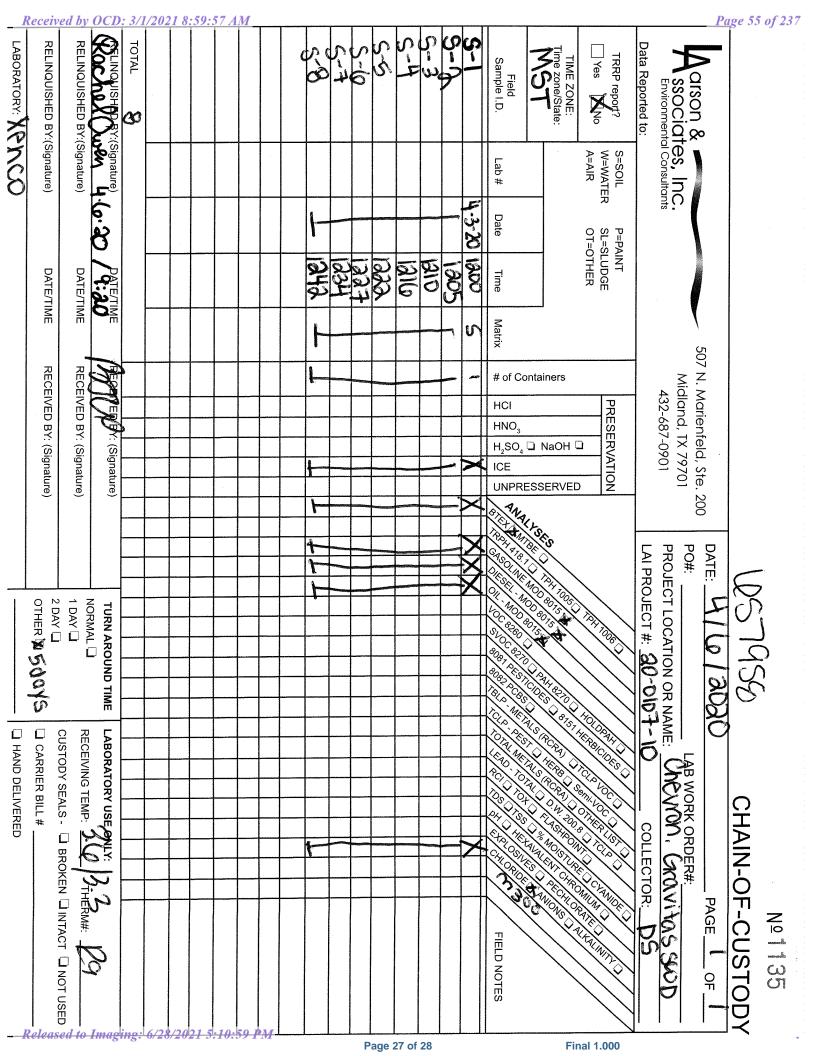
Prep Method: Seq Number: 3122857 Matrix: Soil Date Prep: 04.11.2020 MS Sample Id: 657958-001 S MSD Sample Id: 657958-001 SD Parent Sample Id: 657958-001

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.0998	0.0870	87	0.0895	90	70-130	3	35	mg/kg	04.12.2020 19:58
Toluene	< 0.00200	0.0998	0.0888	89	0.0969	97	70-130	9	35	mg/kg	04.12.2020 19:58
Ethylbenzene	< 0.00200	0.0998	0.0863	86	0.0961	96	70-130	11	35	mg/kg	04.12.2020 19:58
m,p-Xylenes	< 0.00399	0.200	0.174	87	0.197	98	70-130	12	35	mg/kg	04.12.2020 19:58
o-Xylene	< 0.00200	0.0998	0.0894	90	0.100	100	70-130	11	35	mg/kg	04.12.2020 19:58

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		104		70-130	%	04.12.2020 19:58
4-Bromofluorobenzene	104		112		70-130	%	04.12.2020 19:58

SW5030B

Flag



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 04.06.2020 09.20.00 AM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 657958

Analyst:

Temperature Measuring device used: R9

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		3.3	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contain	ner/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?		N/A	
#6*Custody Seals Signed and dated?		N/A	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ed/ received?	Yes	
#10 Chain of Custody agrees with sample la	abels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated t	test(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		N/A	
#18 Water VOC samples have zero headsp	ace?	N/A	

* Must be completed for after-hours de	livery of samples prio	or to placing in the refrigerator
--	------------------------	-----------------------------------

Checklist completed by:	Brianna Teel	Date: <u>04.06.2020</u>	
Checklist reviewed by:	Holy Taylor	Date: 04 07 2020	

Holly Taylor

PH Device/Lot#:



Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson

Date Received in Lab: Fri 05.01.2020 13:23

Report Date: 05.11.2020 17:15

Project Location: Project Manager: Holly Taylor

	Lab Id:	660420-0	01	660420-0	02	660420-00)3	660420-005		660420-0	006	660420-00	17
Analysis Requested	Field Id:	S-2 (1')		S-2 (3')		S-2 (5')		S-3 (1')		S-3 (3')		S-3 (5')	
Anaiysis Requesieu	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.28.2020	13:00	04.28.2020	13:01	04.28.2020 1	3:10	04.28.2020	14:05	04.28.2020	14:06	04.28.2020 1	4:15
BTEX by EPA 8021B	Extracted:	05.09.2020	05.09.2020 16:00		16:00			05.09.2020	16:00	05.09.2020	16:00		
	Analyzed:	05.10.2020	13:00	05.10.2020	13:20			05.10.2020	13:40	05.10.2020	14:00		
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL		
Benzene		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00200	0.00200	< 0.00201	0.00201		
Toluene		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00200	0.00200	< 0.00201	0.00201		
Ethylbenzene		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00200	0.00200	< 0.00201	0.00201		
m,p-Xylenes		< 0.00399	0.00399	< 0.00397	0.00397			< 0.00400	0.00400	< 0.00402	0.00402		
o-Xylene		<0.00200 0.00200		< 0.00198	0.00198			< 0.00200	0.00200	< 0.00201	0.00201		
Total Xylenes		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00200	0.00200	< 0.00201	0.00201		
Total BTEX		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00200	0.00200	< 0.00201	0.00201		
Chloride by EPA 300	Extracted:	05.02.2020	14:45	05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45	
	Analyzed:	05.03.2020	03:55	05.03.2020	04:00	05.03.2020 04:06		05.03.2020 04:11		05.03.2020 04:16		05.03.2020 0	4:21
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		109	5.04	82.4	5.01	34.7	4.99	23.9	4.98	45.8	4.98	135	4.97
TPH by SW8015 Mod	Extracted:	05.02.2020	12:00	05.02.2020	12:00	05.02.2020 1	2:00	05.02.2020	12:00	05.02.2020	12:00	05.02.2020 1	2:00
	Analyzed:	05.03.2020	11:39	05.03.2020	12:36	05.03.2020 1	2:55	05.03.2020	13:14	05.03.2020	13:33	05.03.2020 1	3:52
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9

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Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson

Project Location:

Date Received in Lab: Fri 05.01.2020 13:23

Report Date: 05.11.2020 17:15

Project Manager: Holly Taylor

	Lab Id:	660420-0	009	660420-0	10	660420-0	11	660420-0	013	660420-0	014	660420-01	5
Analysis Requested	Field Id:	S-4 (1'))	S-4 (3')		S-4 (5')	S-4 (5')			S-5 (3')		S-5 (5')	
Anaiysis Kequesiea	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.29.2020	09:20	04.29.2020	09:21	04.29.2020 (9:30	04.29.2020	10:00	04.29.2020	10:01	04.29.2020 10	0:10
BTEX by EPA 8021B	Extracted:	05.09.2020	05.09.2020 16:00		16:00			05.09.2020	16:00	05.09.2020	16:00		
	Analyzed:	05.10.2020	05.10.2020 14:21		14:41			05.10.2020	15:01	05.10.2020	15:21		
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL		
Benzene		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00199	0.00199	< 0.00199	0.00199		
Toluene		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00199	0.00199	< 0.00199	0.00199		
Ethylbenzene		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00199	0.00199	< 0.00199	0.00199		
m,p-Xylenes		< 0.00401	<0.00401 0.00401		0.00397			< 0.00398	0.00398	< 0.00398	0.00398		
o-Xylene	<0.002		0.00200	< 0.00198	0.00198			< 0.00199	0.00199	< 0.00199	0.00199		
Total Xylenes		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00199	0.00199	< 0.00199	0.00199		
Total BTEX		< 0.00200	0.00200	< 0.00198	0.00198			< 0.00199	0.00199	< 0.00199	0.00199		
Chloride by EPA 300	Extracted:	05.02.2020	14:45	05.02.2020	14:45	05.02.2020 1	14:45	05.02.2020	14:45	05.02.2020	14:45	05.02.2020 14	4:45
	Analyzed:	05.03.2020	04:27	05.03.2020 (04:32	05.03.2020 ()4:37	05.03.2020	04:42	05.03.2020	04:58	05.03.2020 0	5:04
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		162	4.98	372	4.98	22.8	4.99	119	5.04	27.1	4.98	7.59	4.99
TPH by SW8015 Mod	Extracted:	05.02.2020	12:00	05.02.2020	12:00	05.02.2020 1	12:00	05.02.2020	12:00	05.02.2020	12:00	05.02.2020 12	2:00
	Analyzed:	05.03.2020	14:11	05.03.2020	14:30	05.03.2020 1	14:49	05.03.2020	15:09	05.03.2020	15:47	05.03.2020 10	6:06
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0
Total TPH		<49.9	49.9	< 50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	< 50.0	50.0

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Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson

Date Received in Lab: Fri 05.01.2020 13:23

Report Date: 05.11.2020 17:15

Project Location:

Project Manager: Holly Taylor

	Lab Id:	660420-0	17	660420-0	18	660420-0	19	660420-021		660420-0	22	660420-02	.3
Analysis Requested	Field Id:	S-6 (1')		S-6 (3'))	S-6 (5')		S-7 (1')		S-7 (3')		S-7 (5')	
Anaiysis Requesieu	Depth:												
	Matrix:	SOIL		SOIL		SOIL	SOIL		,	SOIL		SOIL	
	Sampled:	04.29.2020	10:30	04.29.2020	10:31	04.29.2020 1	10:35	04.29.2020	10:40	04.29.2020	10:41	04.29.2020 1	0:45
BTEX by EPA 8021B	Extracted:	05.09.2020	05.09.2020 16:00		16:00			05.09.2020	16:00	05.09.2020	16:00		
	Analyzed:	05.10.2020	05.10.2020 15:41		16:01			05.10.2020	17:20	05.10.2020	17:40		
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL		
Benzene		< 0.00200	0.00200	< 0.00199	0.00199			< 0.00199	0.00199	< 0.00198	0.00198		
Toluene		< 0.00200	0.00200	< 0.00199	0.00199			< 0.00199	0.00199	< 0.00198	0.00198		
Ethylbenzene		< 0.00200	0.00200	< 0.00199	0.00199			< 0.00199	0.00199	< 0.00198	0.00198		
m,p-Xylenes		< 0.00399	0.00399	< 0.00398	0.00398			< 0.00398	0.00398	< 0.00397	0.00397		
o-Xylene		<0.00200 0.00200		< 0.00199	0.00199			< 0.00199	0.00199	< 0.00198	0.00198		
Total Xylenes		< 0.00200	0.00200	< 0.00199	0.00199			< 0.00199	0.00199	< 0.00198	0.00198		
Total BTEX		< 0.00200	0.00200	< 0.00199	0.00199			< 0.00199	0.00199	< 0.00198	0.00198		
Chloride by EPA 300	Extracted:	05.02.2020	14:45	05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.03.2020 1	2:25
	Analyzed:	05.03.2020	05:09	05.03.2020	03:24	05.03.2020 05:14		05.03.2020 03:34		05.03.2020 03:39		05.04.2020 1	2:26
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		248	5.04	103	5.02	52.1	5.00	77.1	24.9	61.7	4.99	11.9	4.99
TPH by SW8015 Mod	Extracted:	05.02.2020	12:00	05.02.2020	12:00	05.02.2020 1	12:00	05.02.2020	12:00	05.02.2020	12:00	05.02.2020 1	2:00
	Analyzed:	05.03.2020	16:26	05.03.2020	16:45	05.03.2020 1	17:05	05.03.2020	17:24	05.03.2020	17:45	05.03.2020 1	8:04
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	< 50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	< 50.0	50.0	<49.9	49.9	<50.0	50.0	< 50.0	50.0	<49.9	49.9

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Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson

Date Received in Lab: Fri 05.01.2020 13:23

Report Date: 05.11.2020 17:15

Project Location:

Project Manager: Holly Taylor

	Lab Id:	660420-0)25	660420-0	26	660420-02	27	660420-	029	660420-0	30	660420-03	31
Analysis Requested	Field Id:	S-8 (1')		S-8 (3')		S-8 (5')		S-1 (1')		S-1 (3')		S-1 (5')	
Anaiysis Requesteu	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOII	,	SOIL		SOIL	
	Sampled:	04.29.2020	10:50	04.29.2020	10:51	04.29.2020 1	10:55	04.29.2020	11:46	04.29.2020	11:47	04.29.2020 1	1:48
BTEX by EPA 8021B	Extracted:	05.09.2020	05.09.2020 16:00		16:00			05.09.2020	16:00	05.09.2020	16:00		
	Analyzed:	05.10.2020	05.10.2020 18:00		18:20			05.10.2020	18:40	05.10.2020	19:00		
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL		
Benzene		< 0.00198	0.00198		0.00201			< 0.00200	0.00200	< 0.00200	0.00200		
Toluene		< 0.00198	0.00198		0.00201			< 0.00200	0.00200	< 0.00200	0.00200		
Ethylbenzene		< 0.00198	0.00198		0.00201			< 0.00200	0.00200	< 0.00200	0.00200		
m,p-Xylenes		<0.00396 0.00396			0.00402			< 0.00401	0.00401	< 0.00399	0.00399		
o-Xylene		< 0.00198	0.00198		0.00201			< 0.00200	0.00200	< 0.00200	0.00200		
Total Xylenes		< 0.00198	0.00198		0.00201			< 0.00200	0.00200	< 0.00200	0.00200		
Total BTEX	_	< 0.00198	0.00198	< 0.00201	0.00201			< 0.00200	0.00200	< 0.00200	0.00200		
Chloride by EPA 300	Extracted:	05.03.2020	12:25	05.03.2020	12:25	05.03.2020 1	12:25	05.03.2020	12:25	05.03.2020	12:25	05.03.2020 1	12:25
	Analyzed:	05.04.2020	12:33	05.04.2020	12:40	05.04.2020 1	12:46	05.04.2020	13:07	05.04.2020	13:14	05.04.2020 1	13:21
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride	_	75.4	5.01	27.8	4.99	<4.99	4.99	< 5.05	5.05	5.27	5.02	8.46	5.00
TPH by SW8015 Mod	Extracted:	05.02.2020	12:00	05.02.2020	12:00	05.01.2020 1	16:00	05.01.2020	16:00	05.01.2020	16:00	05.01.2020 1	6:00
	Analyzed:	05.03.2020	18:25	05.03.2020	18:44	05.02.2020 0	01:40	05.02.2020	02:02	05.02.2020	02:46	05.02.2020 0	3:08
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	< 50.0	50.0	< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0
Diesel Range Organics (DRO)		<49.8 49.8		< 50.0	50.0	59.5	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8		< 50.0	50.0	< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0
Total TPH		<49.8	49.8	< 50.0	50.0	59.5	50.0	<50.0	50.0	<49.9	49.9	< 50.0	50.0

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Analytical Report 660420

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD Chevron 20-0107-10 05.11.2020

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Tampa: Florida (E87429), North Carolina (483)



05.11.2020

Project Manager: Mark Larson Larson and Associates, Inc. P. O. Box 50685 Midland, TX 79710

Reference: XENCO Report No(s): 660420 Gravitas SWD Chevron Project Address:

Mark Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 660420. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 660420 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor

Holly Taylor

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-2 (1')	S	04.28.2020 13:00		660420-001
S-2 (3')	S	04.28.2020 13:01		660420-002
S-2 (5')	S	04.28.2020 13:10		660420-003
S-3 (1')	S	04.28.2020 14:05		660420-005
S-3 (3')	S	04.28.2020 14:06		660420-006
S-3 (5')	S	04.28.2020 14:15		660420-007
S-4 (1')	S	04.29.2020 09:20		660420-009
S-4 (3')	S	04.29.2020 09:21		660420-010
S-4 (5')	S	04.29.2020 09:30		660420-011
S-5 (1')	S	04.29.2020 10:00		660420-013
S-5 (3')	S	04.29.2020 10:01		660420-014
S-5 (5')	S	04.29.2020 10:10		660420-015
S-6 (1')	S	04.29.2020 10:30		660420-017
S-6 (3')	S	04.29.2020 10:31		660420-018
S-6 (5')	S	04.29.2020 10:35		660420-019
S-7 (1')	S	04.29.2020 10:40		660420-021
S-7 (3')	S	04.29.2020 10:41		660420-022
S-7 (5')	S	04.29.2020 10:45		660420-023
S-8 (1')	S	04.29.2020 10:50		660420-025
S-8 (3')	S	04.29.2020 10:51		660420-026
S-8 (5')	S	04.29.2020 10:55		660420-027
S-1 (1')	S	04.29.2020 11:46		660420-029
S-1 (3')	S	04.29.2020 11:47		660420-030
S-1 (5')	S	04.29.2020 11:48		660420-031
S-2 (10')	S	04.28.2020 13:11		Not Analyzed
S-3 (10')	S	04.28.2020 14:16		Not Analyzed
S-4 (10')	S	04.29.2020 09:31		Not Analyzed
S-5 (10')	S	04.29.2020 10:11		Not Analyzed
S-6 (10')	S	04.29.2020 10:36		Not Analyzed
S-7 (10')	S	04.29.2020 10:46		Not Analyzed
S-8 (10')	S	04.29.2020 10:56		Not Analyzed
S-1 (10')	S	04.29.2020 11:49		Not Analyzed

CASE NARRATIVE

Client Name: Larson and Associates, Inc. Project Name: Gravitas SWD Chevron

 Project ID:
 20-0107-10
 Report Date:
 05.11.2020

 Work Order Number(s):
 660420
 Date Received:
 05.01.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3125562 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7703069-1-BLK.



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-2** (1')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-001

Date Collected: 04.28.2020 13:00

Prep Method: E300P

% Moisture:

Tech: SP

Analyst:

SPC SPC

Analytical Method: Chloride by EPA 300

Date Prep: 05.02.2020 14:45

Basis:

Wet Weight

Seq Number: 3124969

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 109
 5.04
 mg/kg
 05.03.2020 03:55
 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:

Analyst:

DVM ARM

Date Prep: 05.02.2020 12:00

Basis: We

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 11:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 11:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 11:39	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.03.2020 11:39	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	87	%	70-130	05.03.2020 11:39
o-Terphenyl	84-15-1	89	%	70-130	05.03.2020 11:39

Date Received:05.01.2020 13:23

Wet Weight

Basis:



Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

05.09.2020 16:00

Sample Id: S-2 (1') Matrix: Soil

Lab Sample Id: 660420-001 Date Collected: 04.28.2020 13:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Date Prep:

Tech: KTL % Moisture:

Seq Number: 3125562

Analyst:

KTL

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	05.10.2020 13:00	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	05.10.2020 13:00	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	05.10.2020 13:00	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	05.10.2020 13:00	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	05.10.2020 13:00	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	05.10.2020 13:00	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	05.10.2020 13:00	U	1
Surrogate	Ca	s Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	75	%	70-130	05.10.2020 13:00	
1,4-Difluorobenzene	540-36-3	100	%	70-130	05.10.2020 13:00	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-2 (3')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-002

Date Collected: 04.28.2020 13:01

Prep Method: E300P

% Moisture:

Tech: SI

Analyst:

SPC SPC

Analytical Method: Chloride by EPA 300

Date Prep: 05.02.2020 14:45

Basis:

Wet Weight

Seq Number: 3124969

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 82.4
 5.01
 mg/kg
 05.03.2020 04:00
 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 05.02.2020 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 12:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 12:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 12:36	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.03.2020 12:36	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	86	%	70-130	05.03.2020 12:36
o-Terphenyl	84-15-1	90	%	70-130	05.03.2020 12:36



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-2 (3') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-002

Date Collected: 04.28.2020 13:01

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

05.10.2020 13:20

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep:

05.09.2020 16:00

Basis:

70-130

Wet Weight

Seq Number: 3125562

4-Bromofluorobenzene

Parameter	Cas Number	Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	05.10.2020 13:20	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	05.10.2020 13:20	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	05.10.2020 13:20	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	05.10.2020 13:20	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	05.10.2020 13:20	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	05.10.2020 13:20	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	05.10.2020 13:20	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	110	%	70-130	05.10.2020 13:20		

85

460-00-4



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-2(5')

Matrix: Soil

05.02.2020 12:00

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-003

Date Collected: 04.28.2020 13:10

Prep Method: E300P

Analytical Method: Chloride by EPA 300 Tech:

SPC

SPC Analyst:

Date Prep: 05.02.2020 14:45 Basis:

% Moisture:

Wet Weight

Seq Number: 3124969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	34.7	4.99	mg/kg	05.03.2020 04:06		1

Analytical Method: TPH by SW8015 Mod

DVM

Analyst: ARM

Tech:

Date Prep:

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.03.2020 12:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.03.2020 12:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.03.2020 12:55	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.03.2020 12:55	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	94	%	70-130	05.03.2020 12:55
o-Terphenyl	84-15-1	97	%	70-130	05.03.2020 12:55



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-3 (1') Matrix:

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-005

Soil Date Collected: 04.28.2020 14:05

Prep Method: E300P

Tech: SPC % Moisture:

SPC

Analyst:

Date Prep:

05.02.2020 14:45

Basis:

Wet Weight

Seq Number: 3124969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	23.9	4.98	mg/kg	05.03.2020 04:11		1

Analytical Method: TPH by SW8015 Mod

ARM

Analytical Method: Chloride by EPA 300

Prep Method: SW8015P

% Moisture:

DVM Tech:

Analyst:

05.02.2020 12:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 13:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 13:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 13:14	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.03.2020 13:14	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-3 (1')

Analytical Method: BTEX by EPA 8021B

KTL

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-005

Date Collected: 04.28.2020 14:05

Prep Method: SW5035A

% Moisture:

Tech: KTL

Analyst:

Date Prep: 05.09.2020 16:00

Basis: Wet Weight

Parameter	Cas Number	r Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	05.10.2020 13:40	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	05.10.2020 13:40	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	05.10.2020 13:40	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	05.10.2020 13:40	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	05.10.2020 13:40	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	05.10.2020 13:40	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	05.10.2020 13:40	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	107	%	70-130	05.10.2020 13:40		
4-Bromofluorobenzene		460-00-4	97	%	70-130	05.10.2020 13:40		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-3(3') Matrix:

Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-006

Date Collected: 04.28.2020 14:06

% Moisture:

Prep Method: E300P

SPC Tech:

Analyst:

SPC

Analytical Method: Chloride by EPA 300

Date Prep:

Date Prep:

05.02.2020 14:45

05.02.2020 12:00

Basis:

Wet Weight

Seq Number: 3124969

Result **Parameter** Cas Number RLUnits **Analysis Date** Dil Flag Chloride 16887-00-6 45.8 4.98 mg/kg 05.03.2020 04:16 1

Analytical Method: TPH by SW8015 Mod

DVM

Tech: Analyst:

ARM

Seq Number: 3124916

Prep Method: SW8015P

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0		mg/kg	05.03.2020 13:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 13:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 13:33	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	05.03.2020 13:33	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1 Chlorocatana		111 95 2	0.4	0/-	70 120	05 02 2020 12:22		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-3** (**3**')

Analytical Method: BTEX by EPA 8021B

KTL

Matrix: Soil

Date Received:05.01.2020 13:23

Prep Method: SW5035A

Lab Sample Id: 660420-006

Date Collected: 04.28.2020 14:06

% Moisture:

Tech: KTL

Analyst:

Date Prep: 05.09.2020 16:00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	05.10.2020 14:00	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	05.10.2020 14:00	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	05.10.2020 14:00	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	05.10.2020 14:00	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	05.10.2020 14:00	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	05.10.2020 14:00	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	05.10.2020 14:00	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	106	%	70-130	05.10.2020 14:00		
4-Bromofluorobenzene		460-00-4	95	%	70-130	05.10.2020 14:00		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-3 (5') Matrix:

Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-007

Date Collected: 04.28.2020 14:15

Prep Method: E300P

Tech:

SPC

Analytical Method: Chloride by EPA 300

% Moisture:

Analyst:

Chloride

SPC

Date Prep:

05.02.2020 14:45

Basis:

Wet Weight

Seq Number: 3124969

Parameter Cas Number

16887-00-6

Result RL

135

Units 05.03.2020 04:21 mg/kg

Analysis Date

Dil Flag 1

Analytical Method: TPH by SW8015 Mod

4.97

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep:

05.02.2020 12:00

Basis:

Wet Weight

Flag

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	85	%	70-130	05.03.2020 13:52
o-Terphenyl	84-15-1	86	%	70-130	05.03.2020 13:52



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-4 (1') Matrix:

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-009

Soil Date Collected: 04.29.2020 09:20

Prep Method: E300P

% Moisture:

Tech:

Analyst:

SPC SPC

Analytical Method: Chloride by EPA 300

Date Prep: 05.02.2020 14:45 Basis:

Wet Weight

Seq Number: 3124969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	162	4.98	mg/kg	05.03.2020 04:27		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

05.02.2020 12:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.03.2020 14:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.03.2020 14:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.03.2020 14:11	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.03.2020 14:11	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Date Received:05.01.2020 13:23



Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-4 (1') Matrix: Soil

Lab Sample Id: 660420-009 Date Collected: 04.29.2020 09:20

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL % Moisture:

540-36-3

Analyst: KTL Date Prep: 05.09.2020 16:00 Basis: Wet Weight

Seq Number: 3125562

1,4-Difluorobenzene

Parameter	Cas Number	Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	05.10.2020 14:21	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	05.10.2020 14:21	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	05.10.2020 14:21	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	05.10.2020 14:21	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	05.10.2020 14:21	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	05.10.2020 14:21	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	05.10.2020 14:21	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	86	%	70-130	05.10.2020 14:21		

105

70-130

05.10.2020 14:21



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-4 (3') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-010

Date Collected: 04.29.2020 09:21

Prep Method: E300P

Analytical Method: Chloride by EPA 300

SPC

% Moisture:

Analyst:

Tech:

SPC

Date Prep: 05.02.2020 14:45 Basis:

Wet Weight

Seq Number: 3124969

Parameter

Cas Number Chloride 16887-00-6

RL372 4.98

Units mg/kg

Analysis Date 05.03.2020 04:32

Dil Flag 1

Analytical Method: TPH by SW8015 Mod

Tech:

DVM

Analyst: ARM Date Prep:

Result

05.02.2020 12:00

Prep Method: SW8015P % Moisture:

Basis:

Wet Weight

Flag

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 14:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0	mg/kg	05.03.2020 14:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0	mg/kg	05.03.2020 14:30	U	1
Total TPH	PHC635	< 50.0	50.0	mg/kg	05.03.2020 14:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	94	%	70-130	05.03.2020 14:30
o-Terphenyl	84-15-1	96	%	70-130	05.03.2020 14:30



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-4 (3')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-010

Date Collected: 04.29.2020 09:21

Prep Method: SW5035A

05.10.2020 14:41

05.10.2020 14:41

% Moisture:

Tech: KTL

Analyst:

KTL

Analytical Method: BTEX by EPA 8021B

Date Prep: 05.09.2020 16:00

Basis:

Wet Weight

Seq Number: 3125562

4-Bromofluorobenzene

1,4-Difluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	05.10.2020 14:41	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	05.10.2020 14:41	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	05.10.2020 14:41	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	05.10.2020 14:41	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	05.10.2020 14:41	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	05.10.2020 14:41	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	05.10.2020 14:41	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

93

106

%

70-130

70-130

460-00-4

540-36-3



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-4(5')

Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-011

Date Collected: 04.29.2020 09:30

Prep Method: E300P

Tech: SPC

Analyst:

SPC

Date Prep: 05.02.2020 14:45 Basis:

% Moisture:

Wet Weight

Seq Number: 3124969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.8	4.99	mg/kg	05.03.2020 04:37		1

Analytical Method: TPH by SW8015 Mod

Analytical Method: Chloride by EPA 300

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

05.02.2020 12:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.03.2020 14:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.03.2020 14:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.03.2020 14:49	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.03.2020 14:49	U	1
Surrogate	•	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-5 (1') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-013

Date Collected: 04.29.2020 10:00

Prep Method: E300P

16887-00-6

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: Analyst: SPC SPC

Date Prep: 05.02.2020 14:45

5.04

Basis:

Wet Weight

Seq Number: 3124969

Parameter Cas Number Result RL119

Units

mg/kg

Analysis Date 05.03.2020 04:42

Dil Flag 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst:

Chloride

DVM ARM

Date Prep:

05.02.2020 12:00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	05.03.2020 15:09	
o-Terphenyl	84-15-1	95	%	70-130	05.03.2020 15:09	

Date Received:05.01.2020 13:23



Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-5 (1') Matrix: Soil

Lab Sample Id: 660420-013 Date Collected: 04.29.2020 10:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 05.09.2020 16:00 Basis: Wet Weight

Parameter	Cas Number	r Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	05.10.2020 15:01	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	05.10.2020 15:01	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	05.10.2020 15:01	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	05.10.2020 15:01	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	05.10.2020 15:01	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	05.10.2020 15:01	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	05.10.2020 15:01	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	105	%	70-130	05.10.2020 15:01		
4-Bromofluorobenzene		460-00-4	98	%	70-130	05.10.2020 15:01		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-5 (3') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-014

Date Collected: 04.29.2020 10:01

Prep Method: E300P

SPC Tech:

Analytical Method: Chloride by EPA 300

% Moisture:

Analyst:

SPC

Date Prep: 05.02.2020 14:45 Basis:

Wet Weight

Seq Number: 3124969

Result **Parameter** Cas Number RLUnits **Analysis Date** Dil Flag Chloride 05.03.2020 04:58 16887-00-6 27.1 4.98 mg/kg 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

05.02.2020 12:00 Date Prep:

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.03.2020 15:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.03.2020 15:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.03.2020 15:47	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.03.2020 15:47	U	1
Surrogate	C	as Number (% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	05.03.2020 15:47	
o-Terphenyl	84-15-1	80	%	70-130	05.03.2020 15:47	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-5 (3') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-014

Date Collected: 04.29.2020 10:01

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

KTL Analyst:

Date Prep:

05.09.2020 16:00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	05.10.2020 15:21	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	05.10.2020 15:21	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	05.10.2020 15:21	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	05.10.2020 15:21	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	05.10.2020 15:21	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	05.10.2020 15:21	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	05.10.2020 15:21	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	100	%	70-130	05.10.2020 15:21		
1,4-Difluorobenzene		540-36-3	111	%	70-130	05.10.2020 15:21		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-5 (5')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-015

Date Collected: 04.29.2020 10:10

Prep Method: E300P

Analytical Method: Chloride by EPA 300

% Moisture:

Tech:

Analyst:

SPC SPC

Date Prep: 05.02.2020 14:45

Basis:

Wet Weight

Seq Number: 3124969

1

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.59	4.99	mg/kg	05.03.2020 05:04		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 05.02.2020 12:00

Basis:

Wet Weight

Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
PHC610	<50.0	50.0		mg/kg	05.03.2020 16:06	U	1
C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 16:06	U	1
PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 16:06	U	1
PHC635	<50.0	50.0		mg/kg	05.03.2020 16:06	U	1
(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
	PHC610 C10C28DRO PHCG2835 PHC635	PHC610 <50.0 C10C28DRO <50.0 PHCG2835 <50.0	PHC610 <50.0 50.0 C10C28DRO <50.0 50.0 PHCG2835 <50.0 50.0 PHC635 <50.0 50.0	PHC610	PHC610	PHC610 <50.0 50.0 mg/kg 05.03.2020 16:06 C10C28DRO <50.0	PHC610

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	90	%	70-130	05.03.2020 16:06
o-Terphenyl	84-15-1	93	%	70-130	05.03.2020 16:06

Dil

1



Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-6** (1')

Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-017

Date Collected: 04.29.2020 10:30

Matrix:

Prep Method: E300P

Tech: SPC

Analyst:

SPC SPC

Analytical Method: Chloride by EPA 300

Date Prep: 05.02.2020 14:45

% Moisture: Basis:

Wet Weight

Flag

Seq Number: 3124969

 Parameter
 Cas Number
 Result
 RL
 Units

 Chloride
 16887-00-6
 248
 5.04
 mg/kg

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Analysis Date

05.03.2020 05:09

% Moisture:

Tech:

Analyst:

DVM ARM

Date Prep: 05.02.2020 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 16:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 16:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 16:26	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.03.2020 16:26	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	80	%	70-130	05.03.2020 16:26
o-Terphenyl	84-15-1	82	%	70-130	05.03.2020 16:26

Date Received:05.01.2020 13:23

Wet Weight

Basis:



Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-6 (1') Matrix: Soil

Date Collected: 04.29.2020 10:30

05.09.2020 16:00

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Date Prep:

Tech: KTL % Moisture:

Seq Number: 3125562

Analyst:

KTL

Lab Sample Id: 660420-017

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	05.10.2020 15:41	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	05.10.2020 15:41	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	05.10.2020 15:41	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	05.10.2020 15:41	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	05.10.2020 15:41	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	05.10.2020 15:41	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	05.10.2020 15:41	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-6(3') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-018

Date Collected: 04.29.2020 10:31

Prep Method: E300P

Analytical Method: Chloride by EPA 300 SPC

SPC

% Moisture:

Wet Weight

Analyst: Seq Number: 3124969

Tech:

Tech:

Date Prep: 05.02.2020 14:45 Basis:

Result **Parameter** Cas Number RLUnits **Analysis Date** Dil Flag Chloride 05.03.2020 03:24 16887-00-6 103 5.02 mg/kg 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

DVM

% Moisture:

Analyst: ARM

05.02.2020 12:00 Date Prep:

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 16:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 16:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 16:45	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.03.2020 16:45	U	1
Surrogate	•	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	83	%	70-130	05.03.2020 16:45
o-Terphenyl	84-15-1	85	%	70-130	05.03.2020 16:45



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-6** (3')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-018

Date Collected: 04.29.2020 10:31

Prep Method: SW5035A

% Moisture:

Tech: KTL

Analyst:

KTL

Analytical Method: BTEX by EPA 8021B

Date Prep: 05.09.2020 16:00

Basis:

Wet Weight

Parameter	Cas Number	r Kesult	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	05.10.2020 16:01	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	05.10.2020 16:01	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	05.10.2020 16:01	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	05.10.2020 16:01	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	05.10.2020 16:01	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	05.10.2020 16:01	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	05.10.2020 16:01	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	104	%	70-130	05.10.2020 16:01		
4-Bromofluorobenzene		460-00-4	92	%	70-130	05.10.2020 16:01		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-6** (5')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-019

Date Collected: 04.29.2020 10:35

Prep Method: E300P

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: Analyst: SPC SPC

Date Prep: 05.02.2020 14:45

Basis:

Wet Weight

Seq Number: 3124969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	52.1	5.00	mg/kg	05.03.2020 05:14		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 05.02.2020 12:00

Basis:

Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.03.2020 17:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.03.2020 17:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.03.2020 17:05	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.03.2020 17:05	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	76	%	70-130	05.03.2020 17:05		
o-Terphenyl		84-15-1	78	%	70-130	05.03.2020 17:05		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-7** (1')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-021

Date Collected: 04.29.2020 10:40

05.02.2020 14:45

Prep Method: E300P

% Moisture:

Tech:

Analyst:

SPC SPC

Analytical Method: Chloride by EPA 300

Date Prep:

Basis:

Wet Weight

Seq Number: 3124969

Donomoton

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 77.1
 24.9
 mg/kg
 05.03.2020 03:34
 5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 05.02.2020 12:00

Basis: W

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 17:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 17:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 17:24	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	05.03.2020 17:24	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-7** (1')

Analytical Method: BTEX by EPA 8021B

KTL

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-021

Date Collected: 04.29.2020 10:40

Prep Method: SW5035A

Prep M

Tech: KTL

Analyst:

Date Prep: 05.09.2020 16:00

% Moisture: Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	05.10.2020 17:20	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	05.10.2020 17:20	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	05.10.2020 17:20	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	05.10.2020 17:20	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	05.10.2020 17:20	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	05.10.2020 17:20	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	05.10.2020 17:20	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	82	%	70-130	05.10.2020 17:20	
1,4-Difluorobenzene	540-36-3	101	%	70-130	05.10.2020 17:20	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-7 (3')

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-022

Soil Date Collected: 04.29.2020 10:41

Prep Method: E300P

Analytical Method: Chloride by EPA 300 Tech:

SPC

Date Prep: 05.02.2020 14:45 % Moisture:

SPC Analyst:

Basis:

Wet Weight

Seq Number: 3124969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	61.7	4.99	mg/kg	05.03.2020 03:39		1

Matrix:

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

DVM Tech:

Analyst:

ARM

05.02.2020 12:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 17:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 17:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 17:45	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.03.2020 17:45	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	81	%	70-130	05.03.2020 17:45
o-Terphenyl	84-15-1	83	%	70-130	05.03.2020 17:45



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-7 (3')

Matrix:

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-022

Matrix: Soil
Date Collected: 04.29.2020 10:41

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Date Prep: 05.09.2020 16:00

% Moisture:

Basis:

Wet Weight

Analyst: KTL

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Toluene	108-88-3	< 0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397	mg/kg	05.10.2020 17:40	U	1
o-Xylene	95-47-6	< 0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Total BTEX		< 0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	05.10.2020 17:40	
1,4-Difluorobenzene	540-36-3	109	%	70-130	05.10.2020 17:40	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-7(5') Matrix:

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-023

Soil Date Collected: 04.29.2020 10:45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

SPC

% Moisture:

Analyst:

SPC

Date Prep: 05.03.2020 12:25 Basis:

Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.9	4.99	mg/kg	05.04.2020 12:26		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

DVM

Tech:

Seq Number: 3124916

% Moisture:

Analyst: ARM

05.02.2020 12:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.03.2020 18:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.03.2020 18:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.03.2020 18:04	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.03.2020 18:04	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Fl
1-Chlorooctane	111-85-3	87	%	70-130	05.03.2020 18:04	
o-Terphenyl	84-15-1	87	%	70-130	05.03.2020 18:04	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-8 (1') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-025

Date Collected: 04.29.2020 10:50

Prep Method: E300P

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: Analyst: SPC SPC

Date Prep: 05.03.2020 12:25 Basis:

Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	75.4	5.01	mg/kg	05.04.2020 12:33		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

05.02.2020 12:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	05.03.2020 18:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	05.03.2020 18:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	05.03.2020 18:25	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	05.03.2020 18:25	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	80	%	70-130	05.03.2020 18:25		
o-Terphenyl		84-15-1	82	%	70-130	05.03.2020 18:25		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-8 (1') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-025

Date Collected: 04.29.2020 10:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

05.10.2020 18:00

Tech: KTL % Moisture:

70-130

KTL

Analyst:

Date Prep:

05.09.2020 16:00

Basis:

Wet Weight

Seq Number: 3125562

1,4-Difluorobenzene

Parameter	Cas Number	Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	05.10.2020 18:00	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	05.10.2020 18:00	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	05.10.2020 18:00	U	1
m,p-Xylenes	179601-23-1	< 0.00396	0.00396		mg/kg	05.10.2020 18:00	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	05.10.2020 18:00	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	05.10.2020 18:00	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	05.10.2020 18:00	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	85	%	70-130	05.10.2020 18:00		

104

540-36-3



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-8 (3')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-026

Date Collected: 04.29.2020 10:51

Prep Method: E300P

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: SPC

Analyst:

SPC

Date Prep: 05.03.2020 12:25

Basis:

Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27.8	4.99	mg/kg	05.04.2020 12:40		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 05.02.2020 12:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.03.2020 18:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.03.2020 18:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.03.2020 18:44	U	1
Total TPH	PHC635	<50.0	50.0		mg/kg	05.03.2020 18:44	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	91	%	70-130	05.03.2020 18:44
o-Terphenyl	84-15-1	92	%	70-130	05.03.2020 18:44



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-8(3')

Lab Sample Id: 660420-026

Matrix: Soil

Date Received:05.01.2020 13:23

Prep Method: SW5035A

Date Collected: 04.29.2020 10:51

Analytical Method: BTEX by EPA 8021B

70-130

Tech: KTL % Moisture:

KTL Analyst:

Date Prep: 05.09.2020 16:00 Basis:

05.10.2020 18:20

Wet Weight

Seq Number: 3125562

1,4-Difluorobenzene

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	05.10.2020 18:20	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	05.10.2020 18:20	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	05.10.2020 18:20	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	05.10.2020 18:20	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	05.10.2020 18:20	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	05.10.2020 18:20	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	05.10.2020 18:20	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	89	%	70-130	05.10.2020 18:20		

108

540-36-3



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-8 (5') Matrix:

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-027

Soil Date Collected: 04.29.2020 10:55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

SPC

% Moisture:

SPC Analyst:

Date Prep:

Date Prep:

84-15-1

05.03.2020 12:25

Basis:

Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	05.04.2020 12:46	U	1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

05.02.2020 01:40

DVM ARM

05.01.2020 16:00

% Moisture: Basis:

70-130

Wet Weight

Seq Number: 3124876

o-Terphenyl

Tech: Analyst:

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.02.2020 01:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	59.5	50.0		mg/kg	05.02.2020 01:40		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.02.2020 01:40	U	1
Total TPH	PHC635	59.5	50.0		mg/kg	05.02.2020 01:40		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	98	%	70-130	05.02.2020 01:40		

102



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-1 (1') Matrix:

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-029

Soil Date Collected: 04.29.2020 11:46

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

SPC

% Moisture:

SPC Analyst:

Date Prep: 05.03.2020 12:25 Basis:

Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	< 5.05	5.05	mg/kg	05.04.2020 13:07	U	1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

05.01.2020 16:00 Date Prep:

Basis: Wet Weight

05.02.2020 02:02

05.02.2020 02:02

70-130

70-130

Seq Number: 3124876

1-Chlorooctane

o-Terphenyl

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.02.2020 02:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.02.2020 02:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.02.2020 02:02	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.02.2020 02:02	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

105

111

111-85-3

84-15-1

Page 44 of 57



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-1 (1') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-029

Date Collected: 04.29.2020 11:46

Basis:

Prep Method: SW5035A

Tech:

KTL

Analytical Method: BTEX by EPA 8021B

% Moisture:

KTL Analyst: Date Prep:

05.09.2020 16:00

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	05.10.2020 18:40	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	05.10.2020 18:40	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	05.10.2020 18:40	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	05.10.2020 18:40	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	05.10.2020 18:40	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	05.10.2020 18:40	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	05.10.2020 18:40	U	1
Surrogate	Ca	s Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	05.10.2020 18:40	
1,4-Difluorobenzene	540-36-3	104	%	70-130	05.10.2020 18:40	



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-1 (3') Matrix:

Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-030

Date Collected: 04.29.2020 11:47

Prep Method: E300P

Tech: SPC

Analytical Method: Chloride by EPA 300

% Moisture:

SPC Analyst:

Date Prep:

05.03.2020 12:25

Basis:

Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.27	5.02	mg/kg	05.04.2020 13:14		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

05.01.2020 16:00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.02.2020 02:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.02.2020 02:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.02.2020 02:46	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.02.2020 02:46	U	1
Surrogate	1	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	101	%	70-130	05.02.2020 02:46
o-Terphenyl	84-15-1	107	%	70-130	05.02.2020 02:46



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-1** (3')

Matrix: Soil

Date Received:05.01.2020 13:23

Lab Sample Id: 660420-030

Date Collected: 04.29.2020 11:47

Prep Method: SW5035A

Analytical Method: BTEX by EPA 8021B

KTL

% Moisture:

Tech: KTL

Analyst:

Date Prep:

05.09.2020 16:00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	05.10.2020 19:00	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	05.10.2020 19:00	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	05.10.2020 19:00	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	05.10.2020 19:00	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	05.10.2020 19:00	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	05.10.2020 19:00	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	05.10.2020 19:00	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1.4-Diffuorobenzene	5	340-36-3	100	0%	70-130	05 10 2020 19:00		



Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: S-1 (5') Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-031

Date Collected: 04.29.2020 11:48

Prep Method: E300P

Tech: SPC

Analytical Method: Chloride by EPA 300

% Moisture:

SPC Analyst:

Date Prep:

05.03.2020 12:25

Basis:

Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.46	5.00	mg/kg	05.04.2020 13:21		1

Analytical Method: TPH by SW8015 Mod

ARM

Prep Method: SW8015P

DVM Tech:

Analyst:

05.01.2020 16:00 Date Prep:

Basis:

% Moisture:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.02.2020 03:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.02.2020 03:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.02.2020 03:08	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.02.2020 03:08	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 660420



Larson and Associates, Inc.

Gravitas SWD Chevron

E300P Analytical Method: Chloride by EPA 300 Prep Method: Seg Number: 3124969 Matrix: Solid Date Prep: 05.02.2020

LCS Sample Id: 7702592-1-BKS LCSD Sample Id: 7702592-1-BSD MB Sample Id: 7702592-1-BLK

RPD MB Spike LCS LCS Limits %RPD Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date Chloride < 5.00 250 247 99 231 92 90-110 20 05.03.2020 12:29 7 mg/kg

Analytical Method: Chloride by EPA 300

Prep Method: E300P Seq Number: 3125096 Matrix: Solid Date Prep: 05.03.2020

7702596-1-BKS 7702596-1-BLK LCS Sample Id: LCSD Sample Id: 7702596-1-BSD MB Sample Id:

MB Spike LCS LCS LCSD LCSD Limits %RPD RPD Units Analysis **Parameter** Flag Result Amount Result %Rec %Rec Limit Date Result

20 05.04.2020 11:52 Chloride < 5.00 250 272 109 271 108 90-110 0 mg/kg

Analytical Method: Chloride by EPA 300

3124969 Seq Number: Matrix: Soil Date Prep: 05.02.2020 660382-001 S

MS Sample Id: MSD Sample Id: 660382-001 SD Parent Sample Id: 660382-001

Spike **RPD Parent** MS MS %RPD Units MSD **MSD** Limite Analysis **Parameter** Flag Result Result Limit Date Amount %Rec Result %Rec Chloride 281 250 102 492 9 20 05.03.2020 01:22 537 84 90-110 mg/kg X

Analytical Method: Chloride by EPA 300

E300P Prep Method: 3124969 Matrix: Soil 05.02.2020 Seq Number: Date Prep:

Parent Sample Id: 660382-002 MS Sample Id: 660382-002 S MSD Sample Id: 660382-002 SD

RPD **Parent** Spike MS MS MSD MSD Limits %RPD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec %Rec Result 05.03.2020 02:36 408 20 Chloride 150 248 104 388 96 90-110 5 mg/kg

Analytical Method: Chloride by EPA 300

E300P Prep Method: 3125096 Matrix: Soil 05.03.2020 Seq Number: Date Prep:

660426-001 S Parent Sample Id: 660426-001 MS Sample Id: MSD Sample Id: 660426-001 SD

Parent Spike MS MS Limits %RPD RPD Units Analysis MSD MSD Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec 05.04.2020 12:12 Chloride 44.6 252 307 104 309 105 90-110 1 20 mg/kg

Analytical Method: Chloride by EPA 300 E300P Prep Method: 3125096 05.03.2020 Seq Number: Matrix: Soil Date Prep:

660426-002 S 660426-002 SD MS Sample Id: MSD Sample Id: Parent Sample Id: 660426-002

Spike %RPD RPD Parent MS MS **MSD** MSD Limits Units Analysis Flag **Parameter** Result Result Limit Date Amount %Rec %Rec Result

05.04.2020 13:48 105 20 Chloride 148 248 409 409 105 90-110 0 mg/kg

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / BRPD = 200* | (C-E) / (C+E) |[D] = 100 * (C) / [B]Log Diff. = Log(Sample Duplicate) - Log(Original Sample) LCS = Laboratory Control Sample = Parent Result = MS/LCS Result = MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

E300P

Prep Method:

Flag

Flag

QC Summary 660420



Larson and Associates, Inc.

Gravitas SWD Chevron

Analytical Method: TPH by SW8015 Mod SW8015P Prep Method: Seq Number: 3124876 Matrix: Solid Date Prep: 05.01.2020

LCS Sample Id: 7702565-1-BKS LCSD Sample Id: 7702565-1-BSD MB Sample Id: 7702565-1-BLK

RPD MB Spike LCS LCS Limits %RPD Units Analysis LCSD LCSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) 1000 20 05.01.2020 21:17 < 50.0 1120 112 1090 70-130 3 109 mg/kg 05.01.2020 21:17 Diesel Range Organics (DRO) 1000 1190 119 1170 70-130 2. 20 mg/kg < 50.0 117

Analysis MB MB LCS LCS LCSD Limits Units LCSD **Surrogate** Flag %Rec Flag Flag Date %Rec %Rec 05.01.2020 21:17 1-Chlorooctane 99 115 124 70-130 % 05.01.2020 21:17 o-Terphenyl 109 114 111 70-130 %

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

3124916 Seq Number: Matrix: Solid Date Prep: 05.02.2020 LCS Sample Id: 7702630-1-BKS LCSD Sample Id: 7702630-1-BSD MB Sample Id: 7702630-1-BLK

MB Spike LCS LCS Limits %RPD **RPD** Units Analysis LCSD LCSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date 05.03.2020 11:02 Gasoline Range Hydrocarbons (GRO) 902 20 < 50.0 1000 90 891 89 70-130 1 mg/kg 05.03.2020 11:02 Diesel Range Organics (DRO) < 50.0 1000 950 95 947 95 70-130 0 20 mg/kg

MB MB LCS LCS LCSD Limits Units LCSD Analysis Surrogate %Rec Date %Rec Flag Flag %Rec Flag 05.03.2020 11:02 1-Chlorooctane 76 90 94 70-130 % 05.03.2020 11:02 o-Terphenyl 79 86 82 70-130 %

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

Seq Number: 3124876 Matrix: Solid Date Prep: 05.01.2020

MB Sample Id: 7702565-1-BLK

MB Units Analysis Flag **Parameter** Result Date Motor Oil Range Hydrocarbons (MRO) 05.01.2020 20:56 < 50.0 mg/kg

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method: 3124916 Seq Number: Matrix: Solid Date Prep: 05.02.2020

MB Sample Id: 7702630-1-BLK

MB Units Analysis Flag **Parameter** Result Date Motor Oil Range Hydrocarbons (MRO) 05.03.2020 10:43 < 50.0 mg/kg

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / B $RPD = 200* \mid (C-E) \mid (C+E) \mid$ [D] = 100 * (C) / [B]Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result = MS/LCS Result E = MSD/LCSD Result

MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec

Flag

Flag

Flag

SW8015P

SW5035A

QC Summary 660420

Larson and Associates, Inc.

Gravitas SWD Chevron

Analytical Method: TPH by SW8015 Mod

Prep Method:

Seq Number: 3124876 Matrix: Soil Date Prep: 05.01.2020 Parent Sample Id: MS Sample Id: 660426-039 S MSD Sample Id: 660426-039 SD 660426-039

RPD **Parent** Spike MS MS Limits %RPD Units Analysis MSD MSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) <49.9 997 1140 114 20 05.01.2020 22:23 1160 70-130 2 116 mg/kg 05.01.2020 22:23 20 mg/kg Diesel Range Organics (DRO) 129 997 1290 116 1300 70-130 1 117

MSD Analysis MS MS Limits Units MSD **Surrogate** %Rec Flag Flag Date %Rec 05.01.2020 22:23 1-Chlorooctane 109 110 70-130 % 05.01.2020 22:23 o-Terphenyl 111 111 70-130 %

Analytical Method: TPH by SW8015 Mod

SW8015P Prep Method: 3124916 Seq Number: Matrix: Soil Date Prep: 05.02.2020

MS Sample Id: 660420-001 S MSD Sample Id: 660420-001 SD Parent Sample Id: 660420-001

RPD **Parent** Spike MS MS MSD MSD Limits %RPD Units Analysis **Parameter** Result Amount Result %Rec Result %Rec Limit Date 05.03.2020 11:58 Gasoline Range Hydrocarbons (GRO) <49.9 20 998 999 100 857 15 86 70-130 mg/kg 05.03.2020 11:58 Diesel Range Organics (DRO) <49.9 998 1090 109 1010 101 70-130 8 20 mg/kg

MS MS MSD Limits Units MSD Analysis **Surrogate** %Rec Flag Date Flag %Rec 05.03.2020 11:58 1-Chlorooctane 103 94 70-130 % o-Terphenyl 05.03.2020 11:58 93 85 70-130 %

Analytical Method: BTEX by EPA 8021B

Prep Method: Seq Number: 3125562 Matrix: Solid Date Prep: 05.09.2020

LCS Sample Id: 7703069-1-BKS LCSD Sample Id: 7703069-1-BSD MB Sample Id: 7703069-1-BLK

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	I
Benzene	< 0.00200	0.100	0.102	102	0.0967	97	70-130	5	35	mg/kg	05.10.2020 10:42	
Toluene	< 0.00200	0.100	0.101	101	0.0956	96	70-130	5	35	mg/kg	05.10.2020 10:42	
Ethylbenzene	< 0.00200	0.100	0.104	104	0.0987	99	70-130	5	35	mg/kg	05.10.2020 10:42	
m,p-Xylenes	< 0.00400	0.200	0.200	100	0.189	95	70-130	6	35	mg/kg	05.10.2020 10:42	
o-Xylene	< 0.00200	0.100	0.0957	96	0.0915	92	70-130	4	35	mg/kg	05.10.2020 10:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	87		106		102		70-130	%	05.10.2020 10:42
4-Bromofluorobenzene	54	**	100		100		70-130	%	05.10.2020 10:42

QC Summary 660420



Larson and Associates, Inc.

Gravitas SWD Chevron

Prep Method: SW5035A Analytical Method: BTEX by EPA 8021B Seq Number: 3125562 Matrix: Soil Date Prep: 05.09.2020

MS Sample Id: 660420-013 S MSD Sample Id: 660420-013 SD Parent Sample Id: 660420-013

1 archi Bampie Id. 000420-015				Sample 1a. 000 .20 010 D				11155 Sample 14. 000 (20 015 55				
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00198	0.0990	0.0987	100	0.109	109	70-130	10	35	mg/kg	05.10.2020 11:22	
Toluene	< 0.00198	0.0990	0.108	109	0.107	107	70-130	1	35	mg/kg	05.10.2020 11:22	
Ethylbenzene	< 0.00198	0.0990	0.116	117	0.110	110	70-130	5	35	mg/kg	05.10.2020 11:22	
m,p-Xylenes	< 0.00396	0.198	0.222	112	0.210	106	70-130	6	35	mg/kg	05.10.2020 11:22	
o-Xylene	< 0.00198	0.0990	0.104	105	0.0991	99	70-130	5	35	mg/kg	05.10.2020 11:22	
Surrogate				IS Rec	MS Flag	MSD %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	09		106	j	70	-130	%	05.10.2020 11:22	
4-Bromofluorobenzene	;		1	02		103		70	-130	%	05.10.2020 11:22	

No

Final 1.000

No 5 on

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 05.01.2020 01.23.00 PM Air and Metal samples Acceptable Range: Ambient

Work Order #: 660420 Temperature Measuring device used : R9

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		.3	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contain	er/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?		N/A	
#6*Custody Seals Signed and dated?		N/A	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquished	ed/ received?	Yes	
#10 Chain of Custody agrees with sample lal	pels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	BTEX was in bulk container
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated to	est(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		N/A	
#18 Water VOC samples have zero headspa	ce?	N/A	

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

Analyst:		PH Device/Lot#:		
	Checklist completed by:	Brianna Teel	Date: <u>05.01.2020</u>	
	Checklist reviewed by:	Hely Taylor Holly Taylor	Date: 05.01.2020	

Certificate of Analysis Summary 661564

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD, Chevron

Project Id: Contact:

Project Location:

20-0107-10

Mark Larson

Date Received in Lab: Thu 05.14.2020 10:44

Report Date: 05.19.2020 14:14

Project Manager: Holly Taylor

						<u> </u>		
Lab Id:	661564-0	01	661564-0	02				
Field Id:	SP-9 (0-0	5')	SP-9 (0.5-	1')				
Depth:								
Matrix:	SOIL		SOIL					
Sampled:	05.13.2020	12:15	05.13.2020	12:16				
Extracted:	05.18.2020 08:00		05.18.2020	08:00				
Analyzed:	05.18.2020	23:10	05.19.2020	00:29				
Units/RL:	mg/kg	RL	mg/kg	RL				
	< 0.00198	0.00198	< 0.00199	0.00199				
	< 0.00198	0.00198	< 0.00199	0.00199				
	< 0.00198	0.00198	< 0.00199	0.00199				
Extracted:	05.15.2020	13:30	05.15.2020	13:30				
Analyzed:	05.16.2020	00:05	05.16.2020	00:11				
Units/RL:	mg/kg	RL	mg/kg	RL				
	537	25.1	364	24.9				
Extracted:	05.14.2020	17:00	05.14.2020	17:00				
Analyzed:	05.15.2020	15:52	05.15.2020	16:12				
Units/RL:	mg/kg	RL	mg/kg	RL				
	< 50.0	50.0	<49.9	49.9	_			_
	<50.0	50.0	<49.9	49.9				
	< 50.0	50.0	<49.9	49.9				
	< 50.0	50.0	<49.9	49.9				
	Field Id: Depth: Matrix: Sampled: Extracted: Analyzed: Units/RL: Extracted: Analyzed: Units/RL: Extracted: Analyzed: Analyzed:	Field Id: Depth: Matrix: SOIL Sampled: 05.13.2020 Extracted: 05.18.2020 Analyzed: 05.18.2020 Units/RL: mg/kg <0.00198 <0.00198 <0.00198 <0.00198 <0.00198 Extracted: 05.15.2020 Analyzed: 05.16.2020 Units/RL: mg/kg 537 Extracted: 05.14.2020 Analyzed: 05.15.2020 Units/RL: mg/kg 537 Extracted: 05.15.2020 Units/RL: mg/kg <50.0 <50.0 <50.0	Field Id: SP-9 (0-0.5') Depth: Matrix: SOIL Sampled: 05.13.2020 12:15 Extracted: 05.18.2020 08:00 Analyzed: 05.18.2020 23:10 Units/RL: mg/kg RL <0.00198	Field Id: SP-9 (0-0.5') SP-9 (0.5-0.5') Depth: Matrix: SOIL SOIL Sampled: 05.13.2020 12:15 05.13.2020 Extracted: 05.18.2020 08:00 05.18.2020 Analyzed: 05.18.2020 23:10 05.19.2020 Units/RL: mg/kg RL mg/kg < 0.00198	Field Id: SP-9 (0-0.5') SP-9 (0.5-1') Depth: Matrix: SOIL SOIL Sampled: 05.13.2020 12:15 05.13.2020 12:16 Extracted: 05.18.2020 08:00 05.18.2020 08:00 Analyzed: 05.18.2020 23:10 05.19.2020 00:29 Units/RL: mg/kg RL mg/kg RL < 0.00198	Field Id: SP-9 (0-0.5') SP-9 (0.5-1') Depth: Matrix: SOIL SOIL Sampled: 05.13.2020 12:15 05.13.2020 12:16 Extracted: 05.18.2020 08:00 05.18.2020 08:00 Analyzed: 05.18.2020 23:10 05.19.2020 00:29 Units/RL: mg/kg RL mg/kg RL < 0.00198 0.00198 0.00198	SP-9 (0-0.5') SP-9 (0.5-1')	Field Id: Depth: SP-9 (0.0.5') SP-9 (0.5-1') Matrix: SOIL SOIL SOIL SOIL SAmpled: 05.13.2020 12:15 O5.13.2020 12:15 O5.13.2020 08:00 O5.18.2020 08:00 O5.18.2020 23:10 O5.19.2020 00:29 Units/RL: mg/kg RL mg/kg RL solonips 0.00198 0.00198 0.00199 0.00199 Colonips 0.00198 0.00198 0.00199 0.00199 <0.00198 0.00198 0.00198 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 0.00198 0.00199 0.00199 0.00199 0.00199 Extracted: 05.15.2020 13:30 0.05.15.2020 13:30 0.00199 0.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor Project Manager



Analytical Report 661564

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD, Chevron 20-0107-10 05.19.2020

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5) Xenco-Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Tampa: Florida (E87429), North Carolina (483)



05.19.2020

Project Manager: Mark Larson Larson and Associates, Inc. P. O. Box 50685 Midland, TX 79710

Reference: XENCO Report No(s): **661564 Gravitas SWD,Chevron**Project Address:

Mark Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 661564. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 661564 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor

Holly Taylor

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 661564

Larson and Associates, Inc., Midland, TX

Gravitas SWD, Chevron

Sample Id	Matrix	Date Collected Sample Depth	Lab Sample Id
SP-9 (0-0.5')	S	05.13.2020 12:15	661564-001
SP-9 (0.5-1')	S	05.13.2020 12:16	661564-002

CASE NARRATIVE

Client Name: Larson and Associates, Inc. Project Name: Gravitas SWD, Chevron

 Project ID:
 20-0107-10
 Report Date:
 05.19.2020

 Work Order Number(s):
 661564
 Date Received:
 05.14.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3126361 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7703609-1-BLK.



Larson and Associates, Inc., Midland, TX

Gravitas SWD, Chevron

Sample Id: **SP-9** (**0-0.5**')

Matrix: Soil

Date Received:05.14.2020 10:44

Lab Sample Id: 661564-001

Date Collected: 05.13.2020 12:15

Prep Method: E300P

% Moisture:

Tech:

Analyst:

SPC SPC

Analytical Method: Chloride by EPA 300

Date Prep: 05.15.2020 13:30

Basis:

Wet Weight

Seq Number: 3126150

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 537
 25.1
 mg/kg
 05.16.2020 00:05
 5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 05.14.2020 17:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	05.15.2020 15:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	05.15.2020 15:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	05.15.2020 15:52	U	1
Total TPH	PHC635	< 50.0	50.0		mg/kg	05.15.2020 15:52	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	105	%	70-130	05.15.2020 15:52
o-Terphenyl	84-15-1	105	%	70-130	05.15.2020 15:52



Larson and Associates, Inc., Midland, TX

Gravitas SWD, Chevron

Sample Id: **SP-9** (**0-0.5**')

Matrix: Soil

Date Received:05.14.2020 10:44

Lab Sample Id: 661564-001

Date Collected: 05.13.2020 12:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech:

KTL

% Moisture:

Analyst: KTL

Date Prep: 05.18.2020 08:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	05.18.2020 23:10	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	05.18.2020 23:10	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	05.18.2020 23:10	U	1
m,p-Xylenes	179601-23-1	< 0.00396	0.00396		mg/kg	05.18.2020 23:10	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	05.18.2020 23:10	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	05.18.2020 23:10	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	05.18.2020 23:10	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	05.18.2020 23:10	
1,4-Difluorobenzene	540-36-3	102	%	70-130	05.18.2020 23:10	



Larson and Associates, Inc., Midland, TX

Gravitas SWD, Chevron

Sample Id: SP-9 (0.5-1') Matrix: Soil Date Received:05.14.2020 10:44

Lab Sample Id: 661564-002

Date Collected: 05.13.2020 12:16

05.15.2020 13:30

Prep Method: E300P

Tech:

SPC

Analytical Method: Chloride by EPA 300

% Moisture:

SPC Analyst:

Date Prep:

Basis:

Wet Weight

Seq Number: 3126150

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	364	24.9	mg/kg	05.16.2020 00:11		5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 05.14.2020 17:00 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	05.15.2020 16:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	05.15.2020 16:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	05.15.2020 16:12	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	05.15.2020 16:12	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	102	%	70-130	05.15.2020 16:12
o-Terphenyl	84-15-1	104	%	70-130	05.15.2020 16:12



Larson and Associates, Inc., Midland, TX

Gravitas SWD, Chevron

Sample Id: SP-9 (0.5-1') Matrix: Soil Date Received:05.14.2020 10:44

Lab Sample Id: 661564-002

Date Collected: 05.13.2020 12:16

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech:

KTL

% Moisture:

KTL Analyst:

Date Prep:

05.18.2020 08:00 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	05.19.2020 00:29	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	05.19.2020 00:29	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	05.19.2020 00:29	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	05.19.2020 00:29	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	05.19.2020 00:29	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	05.19.2020 00:29	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	05.19.2020 00:29	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	81	%	70-130	05.19.2020 00:29	
1,4-Difluorobenzene	540-36-3	99	%	70-130	05.19.2020 00:29	



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

E300P

E300P

E300P

Flag

Prep Method:

QC Summary 661564



Larson and Associates, Inc.

Gravitas SWD, Chevron

Analytical Method: Chloride by EPA 300

Prep Method: Seq Number: 3126150 Matrix: Solid Date Prep: 05.15.2020

7703420-1-BLK LCS Sample Id: 7703420-1-BKS LCSD Sample Id: 7703420-1-BSD MB Sample Id:

LCS RPD MB Spike LCS Limits %RPD Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date Chloride < 5.00 250 242 97 99 90-110 20 05.15.2020 21:36 247 2 mg/kg

Analytical Method: Chloride by EPA 300

Prep Method: Seq Number: 3126150 Matrix: Soil Date Prep: 05.15.2020

661601-001 MS Sample Id: 661601-001 S MSD Sample Id: 661601-001 SD Parent Sample Id:

Parent Spike MS MS MSD MSD Limits %RPD RPD Units Analysis **Parameter** Flag Result Amount Result %Rec %Rec Limit Date Result

20 05.15.2020 21:53 Chloride 18.3 252 264 98 260 96 90-110 2 mg/kg

Analytical Method: Chloride by EPA 300

3126150 Seq Number: Matrix: Soil Date Prep: 05.15.2020

MS Sample Id: 661621-012 S MSD Sample Id: 661621-012 SD Parent Sample Id: 661621-012

Spike **RPD** MS MS %RPD Units Parent MSD **MSD** Limits Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Chloride 20 05.15.2020 23:13 170 249 416 99 415 98 90-110 0 mg/kg

Analytical Method: TPH by SW8015 Mod

SW8015P Prep Method: 3126160 Matrix: Solid Seq Number: Date Prep: 05.14.2020

MB Sample Id: 7703367-1-BLK LCS Sample Id: 7703367-1-BKS LCSD Sample Id: 7703367-1-BSD

MB Spike LCS LCS LCSD LCSD Limits %RPD **RPD** Units Analysis **Parameter** Result Limit Date Result Amount %Rec %Rec Result Gasoline Range Hydrocarbons (GRO) 05.15.2020 08:53 934 93 70-130 20 < 50.0 1000 928 93 mg/kg 05.15.2020 08:53 Diesel Range Organics (DRO) 897 90 897 90 70-130 0 20 < 50.0 1000 mg/kg

LCS MBMB LCS LCSD Limits Units Analysis LCSD **Surrogate** Flag %Rec %Rec Flag Date Flag %Rec 05.15.2020 08:53 1-Chlorooctane 101 117 117 70-130 % 05.15.2020 08:53 o-Terphenyl 107 111 112 70-130 %

Analytical Method: TPH by SW8015 Mod

Seq Number: 3126160 Matrix: Solid Date Prep: 05.14.2020

MB Sample Id: 7703367-1-BLK

MBUnits Analysis Flag **Parameter** Result Date

Motor Oil Range Hydrocarbons (MRO) 05.15.2020 08:34 < 50.0 mg/kg

SW8015P

Prep Method:

Flag

Flag



Larson and Associates, Inc.

Gravitas SWD, Chevron

661563-001 S

Analytical Method: TPH by SW8015 Mod

3126160 Seq Number: Parent Sample Id:

661563-001

Matrix: Soil

MS Sample Id:

SW8015P Prep Method:

Date Prep: 05.14.2020

MSD Sample Id: 661563-001 SD

MS RPD **Parent** Spike MS MSD Limits %RPD Units Analysis MSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) <49.8 996 923 93 20 05.15.2020 09:50 933 94 70-130 1 mg/kg 05.15.2020 09:50 903 20 mg/kg Diesel Range Organics (DRO) <49.8 996 91 913 92 70-130 1

MSD Units MS MS MSD Limits Analysis **Surrogate** %Rec Flag Flag Date %Rec 05.15.2020 09:50 1-Chlorooctane 115 119 70-130 108 05.15.2020 09:50 o-Terphenyl 108 70-130 %

Analytical Method: BTEX by EPA 8021B

3126361 Seq Number:

MB Sample Id:

7703609-1-BLK

Matrix: Solid LCS Sample Id: 7703609-1-BKS Prep Method:

SW5035A

Date Prep: 05.18.2020

LCSD Sample Id: 7703609-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.0989	99	0.119	119	70-130	18	35	mg/kg	05.18.2020 17:29
Toluene	< 0.00200	0.100	0.103	103	0.110	110	70-130	7	35	mg/kg	05.18.2020 17:29
Ethylbenzene	< 0.00200	0.100	0.109	109	0.114	114	70-130	4	35	mg/kg	05.18.2020 17:29
m,p-Xylenes	< 0.00400	0.200	0.203	102	0.212	106	70-130	4	35	mg/kg	05.18.2020 17:29
o-Xylene	< 0.00200	0.100	0.0989	99	0.103	103	70-130	4	35	mg/kg	05.18.2020 17:29

Surrogate	MB %Rec	MB Flag	LCS LCS %Rec Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	85		96	101		70-130	%	05.18.2020 17:29
4-Bromofluorobenzene	55	**	124	122		70-130	%	05.18.2020 17:29

Analytical Method: BTEX by EPA 8021B

Seq Number: 3126361 Parent Sample Id:

661697-011

Matrix: Soil

MS Sample Id: 661697-011 S

Date Prep:

Prep Method:

SW5035A

05.18.2020

MSD Sample Id: 661697-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00199	0.0996	0.0931	93	0.0841	84	70-130	10	35	mg/kg	05.18.2020 18:28	
Toluene	< 0.00199	0.0996	0.0927	93	0.0891	89	70-130	4	35	mg/kg	05.18.2020 18:28	
Ethylbenzene	< 0.00199	0.0996	0.0900	90	0.0894	90	70-130	1	35	mg/kg	05.18.2020 18:28	
m,p-Xylenes	< 0.00398	0.199	0.166	83	0.164	82	70-130	1	35	mg/kg	05.18.2020 18:28	
o-Xylene	< 0.00199	0.0996	0.0822	83	0.0802	80	70-130	2	35	mg/kg	05.18.2020 18:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		102		70-130	%	05.18.2020 18:28
4-Bromofluorobenzene	113		94		70-130	%	05.18.2020 18:28

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 05.14.2020 10.44.00 AM Air and Metal samples Acceptable Range: Ambient

Work Order #: 661564 Temperature Measuring device used : R9

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		3.3	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping conta	ner/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?		N/A	
#6*Custody Seals Signed and dated?		N/A	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ned/ received?	Yes	
#10 Chain of Custody agrees with sample I	abels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	BTEX was in bulk container
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated	test(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		N/A	
#18 Water VOC samples have zero headsp	pace?	N/A	

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

Analyst:		PH Device/Lot#:		
	Checklist completed by:	Brianna Teel	Date: 05.14.2020	
	Checklist reviewed by:	Holly Taylor Holly Taylor	Date: 05.18.2020	

Page 128 of 237

Certificate of Analysis Summary 683351

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD

Project Id:

20-0107-10

Contact:

Project Location:

Mark Larson

Report Date: 01.07.2021 10:22

Project Manager: Holly Taylor

Date Received in Lab: Mon 01.04.2021 16:40

	Lab Id:	683351-0	683351-001		002	683351-0	003	683351-	004	683351-0	005	683351-0)06
Analysis Paguested	Field Id:	SW-N+	w	SW-S+E		C-1		C-2		C-3		Backfill	l
Analysis Requested	Depth:												
	Matrix:	SOIL	SOIL			SOIL		SOIL		SOIL		SOIL	,
	Sampled:	01.04.2021	11:30	01.04.2021	11:32	01.04.2021	11:34	01.04.2021	11:36	01.04.2021	11:38	01.04.2021 12:35	
BTEX by EPA 8021B	Extracted:	01.05.2021	13:00	01.05.2021	13:00	01.05.2021	13:00	01.05.2021	13:00	01.05.2021	13:00	01.05.2021 13:00	
	Analyzed:	01.05.2021	16:02	01.05.2021	16:24	01.05.2021	16:47	01.05.2021	17:09	01.05.2021	18:27	01.05.2021	18:49
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200
Toluene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200
Ethylbenzene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200
m,p-Xylenes		< 0.00398	0.00398	< 0.00404	0.00404	< 0.00402	0.00402	< 0.00403	0.00403	< 0.00400	0.00400	< 0.00401	0.00401
o-Xylene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200
Total Xylenes		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200
Total BTEX		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200
Chloride by EPA 300	Extracted:	01.05.2021	13:00	01.05.2021	13:00	01.05.2021	13:00	01.05.2021	13:00	01.05.2021	13:00	01.05.2021	13:00
	Analyzed:	01.05.2021	16:30	01.05.2021	16:36	01.05.2021	16:42	01.05.2021	16:48	01.05.2021	16:54	01.05.2021	16:59
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1200	9.98	< 9.96	9.96	<10.1	10.1	<10.1	10.1	17.5	10.1	15.7	10.0
TPH by SW8015 Mod	Extracted:	01.05.2021	15:00	01.05.2021	15:00	01.05.2021	15:00	01.05.2021	15:00	01.05.2021	15:00	01.05.2021	15:00
	Analyzed:	01.05.2021	17:53	01.05.2021	18:53	01.05.2021	19:14	01.05.2021	19:34	01.05.2021	19:54	01.05.2021	20:14
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	< 50.1	50.1	< 50.1	50.1	<50.1	50.1	<49.8	49.8	< 50.2	50.2
Diesel Range Organics (DRO)		<49.8	49.8	<50.1	50.1	< 50.1	50.1	<50.1	50.1	<49.8	49.8	< 50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.1	50.1	< 50.1	50.1	<50.1	50.1	<49.8	49.8	< 50.2	50.2
Total TPH		<49.8	49.8	< 50.1	50.1	< 50.1	50.1	<50.1	50.1	<49.8	49.8	< 50.2	50.2

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor



Analytical Report 683351

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD 20-0107-10 01.07.2021

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483)



01.07.2021

Project Manager: Mark Larson Larson and Associates, Inc. P. O. Box 50685 Midland, TX 79710

Reference: Eurofins Xenco, LLC Report No(s): 683351

Gravitas SWDProject Address:

Mark Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 683351. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 683351 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor

Holly Taylor

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id	Matrix	Date Collected Sample Depth	Lab Sample Id
SW-N+W	S	01.04.2021 11:30	683351-001
SW-S+E	S	01.04.2021 11:32	683351-002
C-1	S	01.04.2021 11:34	683351-003
C-2	S	01.04.2021 11:36	683351-004
C-3	S	01.04.2021 11:38	683351-005
Backfill	S	01.04.2021 12:35	683351-006

Xenco

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Gravitas SWD

 Project ID:
 20-0107-10
 Report Date:
 01.07.2021

 Work Order Number(s):
 683351
 Date Received:
 01.04.2021

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: SW-N+W

Matrix: Soil

Date Received:01.04.2021 16:40

Lab Sample Id: 683351-001

Date Collected: 01.04.2021 11:30

Analytical Method: Chloride by EPA 300

Seq Number: 3146832

Prep Method: E300P

Tech: MAB

.

11 12.00

% Moisture:

Analyst: MAB

Date Prep:

01.05.2021 13:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1200	9.98	mg/kg	01.05.2021 16:30		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

CAC

Analyst: CAC

Seq Number: 3146828

Date Prep: 01.05.2021 15:00

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	01.05.2021 17:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	01.05.2021 17:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	01.05.2021 17:53	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	01.05.2021 17:53	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	99	%	70-135	01.05.2021 17:53
o-Terphenyl	84-15-1	112	%	70-135	01.05.2021 17:53

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: SW-N+W Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-001 Date Collected: 01.04.2021 11:30

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture:

Seq Number: 3146825

Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	01.05.2021 16:02	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.05.2021 16:02	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.05.2021 16:02	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.05.2021 16:02	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.05.2021 16:02	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.05.2021 16:02	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	01.05.2021 16:02	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	100	%	70-130	01.05.2021 16:02		
4-Bromofluorobenzene		460-00-4	91	%	70-130	01.05.2021 16:02		

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: SW-S+E

Matrix: Soil

Date Received:01.04.2021 16:40

Lab Sample Id: 683351-002

Date Collected: 01.04.2021 11:32

Analytical Method: Chloride by EPA 300

vate Concetted, 01.04.2021 11.32

Tech:

MAB

Analyst: MAB

Date Prep:

01.05.2021 13:00

% Moisture:

Basis: Wet Weight

Prep Method: E300P

Seq Number: 3146832

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	01.05.2021 16:36	U	1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

CAC

Analyst: CAC Seq Number: 3146828 Date Prep: 01.05.2021 15:00

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.1	50.1		mg/kg	01.05.2021 18:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.1	50.1		mg/kg	01.05.2021 18:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.1	50.1		mg/kg	01.05.2021 18:53	U	1
Total TPH	PHC635	< 50.1	50.1		mg/kg	01.05.2021 18:53	U	1
Surrogate	C	as Number (% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	123	%	70-135	01.05.2021 18:53
o-Terphenyl	84-15-1	112	%	70-135	01.05.2021 18:53

Wet Weight

Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: SW-S+E Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-002 Date Collected: 01.04.2021 11:32

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture: Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Toluene	108-88-3	< 0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
m,p-Xylenes	179601-23-1	< 0.00404	0.00404	mg/kg	01.05.2021 16:24	U	1
o-Xylene	95-47-6	< 0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Total BTEX		< 0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	01.05.2021 16:24	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.05.2021 16:24	

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: C-1

Matrix:

Soil

Date Received:01.04.2021 16:40

Lab Sample Id: 683351-003

Date Collected: 01.04.2021 11:34

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: MAB MAB

Date Prep:

01.05.2021 13:00

% Moisture:

Basis:

Wet Weight

Seq Number: 3146832

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	01.05.2021 16:42	U	1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

CAC

Analyst: CAC Seq Number: 3146828 Date Prep: 01.05.2021 15:00

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.1	50.1		mg/kg	01.05.2021 19:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.1	50.1		mg/kg	01.05.2021 19:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.1	50.1		mg/kg	01.05.2021 19:14	U	1
Total TPH	PHC635	< 50.1	50.1		mg/kg	01.05.2021 19:14	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	103	%	70-135	01.05.2021 19:14
o-Terphenyl	84-15-1	114	%	70-135	01.05.2021 19:14

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: C-1 Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-003

Date Collected: 01.04.2021 11:34

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

Analyst: MAB

Date Prep: 01.05.2021 13:00

Basis: Wet Weight

Seq Number:	3146825
-------------	---------

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	01.05.2021 16:47	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	01.05.2021 16:47	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	01.05.2021 16:47	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	01.05.2021 16:47	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	01.05.2021 16:47	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	01.05.2021 16:47	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	01.05.2021 16:47	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	101	%	70-130	01.05.2021 16:47		
4-Bromofluorobenzene		460-00-4	94	%	70-130	01.05.2021 16:47		

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: C-2

Matrix: Soil

Date Received:01.04.2021 16:40

Lab Sample Id: 683351-004

Date Collected: 01.04.2021 11:36

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:
Analyst:

MAB

MAB

Date Prep: 01.05.2021 13:00

% Moisture:

Seq Number: 3146832

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	01.05.2021 16:48	U	1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

CAC

Analyst: CAC Seq Number: 3146828 Date Prep: 01.05.2021 15:00

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.1	50.1		mg/kg	01.05.2021 19:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.1	50.1		mg/kg	01.05.2021 19:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.1	50.1		mg/kg	01.05.2021 19:34	U	1
Total TPH	PHC635	< 50.1	50.1		mg/kg	01.05.2021 19:34	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	108	%	70-135	01.05.2021 19:34
o-Terphenyl	84-15-1	98	%	70-135	01.05.2021 19:34

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: C-2 Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-004

Date Collected: 01.04.2021 11:36

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: MAB

% Moisture:

MAB Analyst: Seq Number: 3146825

Date Prep:

01.05.2021 13:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Toluene	108-88-3	< 0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403	mg/kg	01.05.2021 17:09	U	1
o-Xylene	95-47-6	< 0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Total BTEX		< 0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.05.2021 17:09	
4-Bromofluorobenzene	460-00-4	96	%	70-130	01.05.2021 17:09	

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: C-3

Matrix: Soil

Date Received:01.04.2021 16:40

Lab Sample Id: 683351-005

Date Collected: 01.04.2021 11:38

01.05.2021 13:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

MAB

MAB

% Moisture:

Analyst:

Seq Number: 3146832

Basis:

sis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17.5	10.1	mg/kg	01.05.2021 16:54		1

Date Prep:

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

CAC

Analyst: CAC Seq Number: 3146828 Date Prep: 01.05.2021 15:00

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	01.05.2021 19:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	01.05.2021 19:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	01.05.2021 19:54	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	01.05.2021 19:54	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	106	%	70-135	01.05.2021 19:54
o-Terphenyl	84-15-1	104	%	70-135	01.05.2021 19:54

Date Received:01.04.2021 16:40

Wet Weight

Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: C-3 Matrix: Soil

Lab Sample Id: 683351-005 Date Collected: 01.04.2021 11:38

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture: Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Toluene	108-88-3	< 0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400	mg/kg	01.05.2021 18:27	U	1
o-Xylene	95-47-6	< 0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Total BTEX		< 0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.05.2021 18:27	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.05.2021 18:27	

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: **Backfill** Matrix:

Date Received:01.04.2021 16:40

Lab Sample Id: 683351-006

Soil Date Collected: 01.04.2021 12:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

MAB

% Moisture:

Analyst:

MAB

Date Prep: 01.05.2021 13:00

Seq Number: 3146832

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15.7	10.0	mg/kg	01.05.2021 16:59		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

CAC

CACAnalyst: Seq Number: 3146828

01.05.2021 15:00 Date Prep:

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.2	50.2		mg/kg	01.05.2021 20:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.2	50.2		mg/kg	01.05.2021 20:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.2	50.2		mg/kg	01.05.2021 20:14	U	1
Total TPH	PHC635	< 50.2	50.2		mg/kg	01.05.2021 20:14	U	1
Surrogate	C	as Number %	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	112	%	70-135	01.05.2021 20:14
o-Terphenyl	84-15-1	126	%	70-135	01.05.2021 20:14

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: Backfill Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-006 Date Collected: 01.04.2021 12:35

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture:

Seq Number: 3146825

Bate Prep: 01.03.2021 15:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.05.2021 18:49	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.05.2021 18:49	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.05.2021 18:49	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	01.05.2021 18:49	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.05.2021 18:49	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.05.2021 18:49	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.05.2021 18:49	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	103	%	70-130	01.05.2021 18:49		
4-Bromofluorobenzene		460-00-4	95	%	70-130	01.05.2021 18:49		



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

^{**} Surrogate recovered outside laboratory control limit.

QC Summary 683351

Larson and Associates, Inc.

Gravitas SWD

Analytical Method: Chloride by EPA 300

3146832 Seq Number:

E300P Prep Method:

Date Prep: 01.05.2021

Units

7718466-1-BSD

MB Sample Id: **Parameter**

7718466-1-BLK

LCS Sample Id: 7718466-1-BKS

LCSD Sample Id: RPD

Analysis Flag

Chloride

MB Result <10.0

Parent

Result

543

LCS Result 255

LCSD LCSD Result 257

%Rec 103

Limits

90-110 1

%RPD

Limit 20 mg/kg

Date 01.05.2021 13:48

Analytical Method: Chloride by EPA 300

3146832

Spike

250

Spike

200

Amount

Amount

Matrix: Soil

Matrix: Solid

LCS

102

%Rec

Prep Method: Date Prep: 01.05.2021

RPD

20

E300P

Seq Number: Parent Sample Id:

683332-001

MS Sample Id: 683332-001 S MS

108

MSD Sample Id: 683332-001 SD

01.05.2021 15:48

Parameter

Chloride

MS Result %Rec

758

MSD Result

758

MSD Limits %Rec

90-110

108

%RPD Limit

0

%RPD

Units Analysis

Flag Date

Analytical Method: Chloride by EPA 300

3146832

Matrix: Soil

Prep Method:

E300P

Date Prep: 01.05.2021

Units

mg/kg

mg/kg

Seq Number: Parent Sample Id:

683349-001

MS Sample Id: 683349-001 S

MSD

MSD Sample Id: 683349-001 SD

RPD

Analysis

Parameter Chloride

Spike **Parent** Result Amount

MS MS Result %Rec

245

MSD Result 245

%Rec 108 90-110

Limits

Limit 20 0

Flag Date 01.05.2021 14:06

Analytical Method: TPH by SW8015 Mod

3146828

200

108

Prep Method:

Units

%

%

SW8015P 01.05.2021

Seq Number: MB Sample Id:

7718504-1-BLK

Matrix: Solid

Date Prep: LCSD Sample Id: 7718504-1-BSD

Parameter

MB Spike Result Amount

28.5

LCS Sample Id: LCS LCS

7718504-1-BKS LCSD LCSD

RPD

Units Analysis

Gasoline Range Hydrocarbons (GRO)

< 50.0 1000 < 50.0 1000 Result %Rec 1150 115

%Rec

111

108

Result

%Rec 110 70-135 %RPD Limit

Date

01.05.2021 17:13 mg/kg

Diesel Range Organics (DRO)

MB

Flag

1080

108

LCS

Flag

1100 1170 117

35 4

Limits

70-135

70-135

Surrogate

Motor Oil Range Hydrocarbons (MRO)

MB%Rec 106

108

LCS

LCSD

%Rec

100

111

70-135

LCSD

Flag

Limits

8 35

01.05.2021 17:13 mg/kg

Analysis

Date

01.05.2021 17:13

01.05.2021 17:13

1-Chlorooctane

o-Terphenyl

Analytical Method: TPH by SW8015 Mod

Matrix: Solid

Prep Method:

SW8015P

Flag

Parameter

Seq Number:

3146828

MBResult

MB Sample Id: 7718504-1-BLK

Date Prep:

01.05.2021

Units

mg/kg

Analysis Flag

< 50.0

Date 01.05.2021 16:53

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / B $RPD = 200* \mid (C-E) \mid (C+E) \mid$ [D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample = Parent Result = MS/LCS Result

= MSD/LCSD Result

MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec

Flag

Flag

Flag

SW8015P

QC Summary 683351

Larson and Associates, Inc.

Gravitas SWD

Analytical Method:TPH by SW8015 ModPrep Method:Seq Number:3146828Matrix: SoilDate Prep:

 Seq Number:
 3146828
 Matrix:
 Soil
 Date Prep:
 01.05.2021

 Parent Sample Id:
 683351-001
 MS Sample Id:
 683351-001 S
 MSD Sample Id:
 683351-001 SD

RPD **Parent** Spike MS MS MSD Limits %RPD Units Analysis MSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) <49.9 998 941 94 1070 35 01.05.2021 18:13 70-135 13 107 mg/kg 01.05.2021 18:13 mg/kg Diesel Range Organics (DRO) <49.9 998 947 95 944 70-135 0 35 94

MSD Units MS MS Limits Analysis MSD **Surrogate** %Rec Flag Flag Date %Rec 01.05.2021 18:13 1-Chlorooctane 118 115 70-135 % 01.05.2021 18:13 o-Terphenyl 122 110 70-135 %

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeg Number:3146825Matrix: SolidDate Prep:01.05.2021

 Seq Number:
 3146825
 Matrix:
 Solid
 Date Prep:
 01.05.2021

 MB Sample Id:
 7718456-1-BLK
 LCS Sample Id:
 7718456-1-BKS
 LCSD Sample Id:
 7718456-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.0853	85	0.0926	93	70-130	8	35	mg/kg	01.05.2021 11:45
Toluene	< 0.00200	0.100	0.0825	83	0.0901	90	70-130	9	35	mg/kg	01.05.2021 11:45
Ethylbenzene	< 0.00200	0.100	0.0774	77	0.0841	84	71-129	8	35	mg/kg	01.05.2021 11:45
m,p-Xylenes	< 0.00400	0.200	0.157	79	0.171	86	70-135	9	35	mg/kg	01.05.2021 11:45
o-Xylene	< 0.00200	0.100	0.0782	78	0.0855	86	71-133	9	35	mg/kg	01.05.2021 11:45

MBMB LCS LCS LCSD Limits Units Analysis LCSD **Surrogate** %Rec Flag %Rec Flag %Rec Flag Date 01.05.2021 11:45 1,4-Difluorobenzene 97 95 97 70-130 % 01.05.2021 11:45 4-Bromofluorobenzene 87 84 89 70-130 %

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3146825Matrix: SoilDate Prep:01.05.2021

Parent Sample Id: 683349-001 MS Sample Id: 683349-001 S MSD Sample Id: 683349-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	F
Benzene	< 0.00200	0.0998	0.106	106	0.104	104	70-130	2	35	mg/kg	01.05.2021 20:19	
Toluene	< 0.00200	0.0998	0.105	105	0.100	100	70-130	5	35	mg/kg	01.05.2021 20:19	
Ethylbenzene	< 0.00200	0.0998	0.120	120	0.0924	93	71-129	26	35	mg/kg	01.05.2021 20:19	
m,p-Xylenes	< 0.00399	0.200	0.198	99	0.188	94	70-135	5	35	mg/kg	01.05.2021 20:19	
o-Xylene	< 0.00200	0.0998	0.0975	98	0.0933	93	71-133	4	35	mg/kg	01.05.2021 20:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		94		70-130	%	01.05.2021 20:19
4-Bromofluorobenzene	96		85		70-130	%	01.05.2021 20:19

/2021 8:59:57 AM BELINQUISHED BY:(Signature) MELINQUISHED BY:(Signature) Page 148 of 237 ELINQUISHED BY:(Signature) SABORATORY: SW-N+W Brokfi 5-2 Time zone/State: Data Reported to: Yes No Field Sample I.D. TRRP report? TIME ZONE: arson & ssociates, Inc. **Environmental Consultants** Xence S=SOIL W=WATER A=AIR Lab# 14/21 Date OT=OTHER SL=SLUDGE DATE/TIME DATE/TIME DATE/TIME 3 Time 20 36 S 32 P.W Matrix RECEIVED BY: (Signature) RECEIVED BY: (Signature) RECEIVED BY: (Signature) 507 N. Marienfeld, Ste. 200 # of Containers Midland, TX 79701 432-687-0901 HCI PRESERVATION HNO. H,SO, I NaOH I ICE UNPRESSERVED PO#: DATE: PROJECT LOCATION OR NAME: LAI PROJECT #: 2 DAY OTHER | 1 DAY NORMAL TURN AROUND TIME WHAND DELIVERED ☐ CARRIER BILL # CUSTODY SEALS - BROKEN INTACT INOT USED LABORATORY USE ONLY: RECEIVING TEMP: 1.0/0.3 LAB WORK ORDER#: Gravitas SWD CHAIN-OF-CUSTODY COLLECTOR: 1 THERM#: THIMOOT PAGE ___ OF_ FIELD NOTES

Released to Imaging: 6/28/2021 5:10:59 PM

Page 21 of 22

Final 1.000

683351

Nº1399

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 01.04.2021 04.40.00 PM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 683351

Analyst:

Temperature Measuring device used: T_NM_007

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		.8	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contai	ner/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?		Yes	
#6*Custody Seals Signed and dated?		Yes	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ned/ received?	Yes	
#10 Chain of Custody agrees with sample la	abels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	Samples received in bulk containers.
#13 Samples properly preserved?		Yes	00.110.10.
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated	test(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		No	
#18 Water VOC samples have zero headsp	ace?	N/A	

* Must be	completed for	after-hours	delivery of	samples	prior to	placing in	the i	refrigerato	16

Checklist completed by:	Cloe Outh	Date: 01.05.2021
	Cloe Clifton	
Checklist reviewed by:	Holly Taylor	Date: 01.05.2021

Holly Taylor

PH Device/Lot#:

Page 150 of 237

Certificate of Analysis Summary 684441

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD

Project Id: Contact:

20-0107-10

Date Received in Lab: Tue 01.12.2021 16:26

Mark Larson

Report Date: 01.15.2021 13:23

Project Location:				Project M	anager: Holly Taylo	r
	Lab Id:	684441-001				
Analusia Basusatad	Field Id:	SW-N+W				
Analysis Requested	Depth:					
	Matrix:	SOIL				
	Sampled:	01.12.2021 10:50				
BTEX by EPA 8021B	Extracted:	01.14.2021 13:02				
	Analyzed:	01.15.2021 00:59				
	Units/RL:	mg/kg RL				
Benzene		<0.00199 0.00199				
Toluene		< 0.00199 0.00199				
Ethylbenzene		< 0.00199 0.00199				
m,p-Xylenes		< 0.00398 0.00398				
o-Xylene		<0.00199 0.00199				
Total Xylenes		<0.00199 0.00199				
Total BTEX		<0.00199 0.00199				
Chloride by EPA 300	Extracted:	01.13.2021 16:00				
	Analyzed:	01.13.2021 19:02				
	Units/RL:	mg/kg RL				
Chloride	·	160 49.9				
TPH by SW8015 Mod	Extracted:	01.12.2021 18:00				
	Analyzed:	01.13.2021 07:41				
	Units/RL:	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)	'	<50.2 50.2				
Diesel Range Organics (DRO)		<50.2 50.2				
Motor Oil Range Hydrocarbons (MRO)		<50.2 50.2				

BRL - Below Reporting Limit

Total TPH

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

< 50.2

50.2

Holy Taylor



Analytical Report 684441

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD 20-0107-10 01.15.2021

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483)



01.15.2021

Project Manager: Mark Larson Larson and Associates, Inc. P. O. Box 50685 Midland, TX 79710

Reference: Eurofins Xenco, LLC Report No(s): 684441

Gravitas SWDProject Address:

Mark Larson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684441. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684441 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor

Holly Taylor

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

💸 eurofins **Environment Testing** Xenco

Sample Cross Reference 684441

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id Matrix **Date Collected Sample Depth** Lab Sample Id SW-N+W S 684441-001 01.12.2021 10:50

Xenco

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Gravitas SWD

 Project ID:
 20-0107-10
 Report Date:
 01.15.2021

 Work Order Number(s):
 684441
 Date Received:
 01.12.2021

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 684441

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: SW-N+W

Matrix: Soil

Date Received:01.12.2021 16:26

Lab Sample Id: 684441-001

Date Collected: 01.12.2021 10:50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

MAB

Date Prep:

% Moisture:

Analyst:

MAB

p: 01.13.2021 16:00

Basis: Wet Weight

Seq Number: 3147747

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	160	49.9	mg/kg	01.13.2021 19:02		5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

CAC

Analyst: CAC Seq Number: 3147633 Date Prep: 01.12.2021 18:00

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.2	50.2		mg/kg	01.13.2021 07:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.2	50.2		mg/kg	01.13.2021 07:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.2	50.2		mg/kg	01.13.2021 07:41	U	1
Total TPH	PHC635	< 50.2	50.2		mg/kg	01.13.2021 07:41	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	104	%	70-135	01.13.2021 07:41
o-Terphenyl	84-15-1	107	%	70-135	01.13.2021 07:41



Certificate of Analytical Results 684441

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: SW-N+W

Matrix: Soil

Date Received:01.12.2021 16:26

Lab Sample Id: 684441-001

Date Collected: 01.12.2021 10:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech:

MAB

% Moisture:

Analyst: MAB

Seq Number: 3147919

Date Prep: 01.14.2021 13:02

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Toluene	108-88-3	< 0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398	mg/kg	01.15.2021 00:59	U	1
o-Xylene	95-47-6	< 0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Total BTEX		< 0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.15.2021 00:59	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.15.2021 00:59	



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

^{**} Surrogate recovered outside laboratory control limit.

QC Summary 684441

Larson and Associates, Inc.

Gravitas SWD

Analytical Method: Chloride by EPA 300

Seq Number: 3147747

Matrix: Solid

E300P Prep Method:

Date Prep: 01.13.2021

E300P

E300P

mg/kg

01.14.2021 09:51

Flag

01.13.2021

7719117-1-BLK LCS Sample Id: 7719117-1-BKS MB Sample Id:

LCSD Sample Id: 7719117-1-BSD

Prep Method:

Prep Method:

20

0

LCS RPD MB Spike LCS Limits %RPD Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date

Chloride <10.0 250 252 101 253 90-110 0 20 01.13.2021 17:50 101 mg/kg

Analytical Method: Chloride by EPA 300

3147747 Seq Number: Matrix: Soil Date Prep:

MS Sample Id: 684436-001 S MSD Sample Id: 684436-001 SD Parent Sample Id: 684436-001

Parent Spike MS MS MSD MSD Limits %RPD RPD Units Analysis **Parameter** Flag Result Amount Result %Rec %Rec Limit Date Result

20 01.13.2021 18:08 Chloride <9.94 199 198 99 195 98 90-110 2 mg/kg

Analytical Method: Chloride by EPA 300

3147747 Seq Number: Matrix: Soil Date Prep: 01.13.2021

204

200

MS Sample Id: 684465-004 S MSD Sample Id: 684465-004 SD Parent Sample Id: 684465-004

102

Spike **RPD** MS MS %RPD Units Parent MSD **MSD** Limits Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec

205

101

90-110

Analytical Method: TPH by SW8015 Mod

<9.98

Chloride

SW8015P Prep Method: 3147633 Matrix: Solid Seq Number: Date Prep: 01.12.2021

MB Sample Id: 7719039-1-BLK LCS Sample Id: 7719039-1-BKS LCSD Sample Id: 7719039-1-BSD

MB Spike LCS LCS LCSD LCSD Limits %RPD **RPD** Units Analysis **Parameter** Result Limit Date Result Amount %Rec %Rec Result Gasoline Range Hydrocarbons (GRO) 01.13.2021 02:29 1050 35 < 50.0 1000 105 1100 110 70-135 5 mg/kg 01.13.2021 02:29 Diesel Range Organics (DRO) 1010 70-135 35 < 50.0 1000 101 1180 118 16 mg/kg

LCS MBMB LCS LCSD Limits Units Analysis LCSD **Surrogate** %Rec %Rec Flag Flag Date Flag %Rec 01.13.2021 02:29 1-Chlorooctane 92 84 114 70-135 % 01.13.2021 02:29 o-Terphenyl 88 89 96 70-135 %

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

Seq Number: 3147633 Matrix: Solid Date Prep: 01.12.2021

MB Sample Id: 7719039-1-BLK

MBUnits Analysis Flag **Parameter** Result Date 01.13.2021 02:10

Motor Oil Range Hydrocarbons (MRO) < 50.0 mg/kg

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / B $RPD = 200* \mid (C-E) \mid (C+E) \mid$ [D] = 100 * (C) / [B]Log Diff. = Log(Sample Duplicate) - Log(Original Sample) LCS = Laboratory Control Sample = Parent Result = MS/LCS Result = MSD/LCSD Result

MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec

Flag

Seq Number:

QC Summary 684441

Larson and Associates, Inc.

Gravitas SWD

Analytical Method: TPH by SW8015 Mod

3147633

Matrix: Soil 684371-001 MS Sample Id: 684371-001 S

SW8015P Prep Method:

Date Prep: 01.12.2021 MSD Sample Id: 684371-001 SD

Parent Sample Id: RPD **Parent** Spike MS MS MSD Limits %RPD Units Analysis MSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) < 50.2 1000 1190 119 1030 35 01.13.2021 03:28 103 14

70-135 mg/kg 01.13.2021 03:28 <50.2 7 mg/kg Diesel Range Organics (DRO) 1000 1090 109 1170 70-135 35 117

MSD Units MS MS Limits Analysis MSD **Surrogate** %Rec Flag Flag Date %Rec 01.13.2021 03:28 1-Chlorooctane 108 117 70-135 % 01.13.2021 03:28 o-Terphenyl 108 106 70-135 %

SW5035A Analytical Method: BTEX by EPA 8021B Prep Method:

3147919 Seq Number: Matrix: Solid Date Prep: 01.14.2021 7719206-1-BLK LCS Sample Id: 7719206-1-BKS LCSD Sample Id: 7719206-1-BSD MB Sample Id:

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.103	103	0.102	102	70-130	1	35	mg/kg	01.14.2021 16:03
Toluene	< 0.00200	0.100	0.0980	98	0.0989	99	70-130	1	35	mg/kg	01.14.2021 16:03
Ethylbenzene	< 0.00200	0.100	0.0911	91	0.0920	92	71-129	1	35	mg/kg	01.14.2021 16:03
m,p-Xylenes	< 0.00400	0.200	0.185	93	0.187	94	70-135	1	35	mg/kg	01.14.2021 16:03
o-Xylene	< 0.00200	0.100	0.0919	92	0.0918	92	71-133	0	35	mg/kg	01.14.2021 16:03

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		95		96		70-130	%	01.14.2021 16:03
4-Bromofluorobenzene	89		87		88		70-130	%	01.14.2021 16:03

SW5035A Analytical Method: BTEX by EPA 8021B Prep Method:

Seq Number: 3147919 Matrix: Soil Date Prep: 01.14.2021 Parent Sample Id: 684594-001 MS Sample Id: 684594-001 S MSD Sample Id: 684594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.117	117	0.0964	96	70-130	19	35	mg/kg	01.14.2021 16:48	
Toluene	< 0.00200	0.100	0.113	113	0.0919	92	70-130	21	35	mg/kg	01.14.2021 16:48	
Ethylbenzene	< 0.00200	0.100	0.104	104	0.0841	84	71-129	21	35	mg/kg	01.14.2021 16:48	
m,p-Xylenes	< 0.00401	0.200	0.211	106	0.171	86	70-135	21	35	mg/kg	01.14.2021 16:48	
o-Xylene	< 0.00200	0.100	0.103	103	0.0825	83	71-133	22	35	mg/kg	01.14.2021 16:48	

Surrogate	MS MS %Rec Flag	MSD %Rec	MSD Limi Flag	ts Units	Analysis Date
1,4-Difluorobenzene	95	96	70-13	30 %	01.14.2021 16:48
4-Bromofluorobenzene	90	89	70-13	30 %	01.14.2021 16:48

Receiv ABORATORY: 2 TOTAL RELINQUISHED BY:(Signature) RELINQUISHED BY:(Signature) Page 160 of 237 deLINQUISHED BY:(Signature) MARIN Data Reported to: TIME ZONE: Time zone/State: ☐ Yes XNo Field Sample I.D. TRRP report? MST arson & ssociates, Inc. **Environmental Consultants** W=WATER A=AIR S=SOIL Lab # 112/2 Date SL=SLUDGE OT=OTHER P=PAINT DATE/TIME DATE/TIME 1050 Time Matrix RECEIVED BY: (Signature) 507 N. Marienfeld, Ste. 200 RECEIVED B¥: (Signature) RECEIVED BY: (Signature) # of Containers Midland, TX 79701 432-687-0901 HCI PRESERVATION HNO H,SO, I NaOH I UNPRESSERVED 1626 DATE: PO#: PROJECT LOCATION OR NAME: LAI PROJECT #: 2 DAY 1 DAY NORMAL X OTHER -TURN AROUND TIME ☐ HAND DELIVERED ☐ CARRIER BILL # RECEIVING TEMP: 2.2/2.0 CUSTODY SEALS - BROKEN DINTACT DNOT USED LAB WORK ORDER#: Gravilas CHAIN-OF-CUSTODY COLLECTOR: 5W0 THERM#: 1-WW-OOT PAGE_/ FIELD NOTES 유 Released to Imaging: 6/28/2021 5:10:59 PM

Page 11 of 12

Final 1.000

14448a

Nº 1406

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 01.12.2021 04.26.00 PM

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

Work Order #: 684441

Analyst:

Temperature Measuring device used: T_NM_007

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		2	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contain	ner/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?		Yes	
#6*Custody Seals Signed and dated?		Yes	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ned/ received?	Yes	
#10 Chain of Custody agrees with sample la	abels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	Samples received in bulk containers.
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated	test(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		No	
#18 Water VOC samples have zero headsp	ace?	N/A	

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

Checklist completed by:

Cloe Clifton

Checklist reviewed by:

Holly Taylor

Date: 01.12.2021

Date: 01.13.2021

PH Device/Lot#:

Appendix E

Waste Manifests



Permian Basin

CHEVRON MIDCONTINENT LP Customer: Customer #:

RBF1920

ERIK SAIZ (ESPG)

R&M TRUCKING

Ordered by: AFE #:

Manifest #: 215682 1/5/2021 Manif. Date:

Hauler: Driver Truck #

PO #:

Card#

Job Ref#

166

RAFAEL

Ticket #:

740-259103

Chevron

Bid #:

O6UJ9A000GPB 1/5/2021

Date: Generator:

Generator #:

43892 Well Ser. #: Well Name: **GRAVITAS 2 STATE SWD**

Well #:

Field:

Field #:

Rig: County **NON-DRILLING** EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

7.00

Cell Lab Analysis:

0.00

CI Cond. 0.00 0.00

%Solids N/A

TDS PCI/GM MR/HR

H2S

% Oil Weight N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:		Date:	
	· · · · · · · · · · · · · · · · · · ·		



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company	Man	Contact	Information
Name			

Stratistics Comments						Phone N	0,
Occupant No.		(ENERAT		NC).	215682
Operator No.				Permit/RRC No. Lease/Well		, ,	
Operators Name	rem			Name & No.	Gravites	Stote	SUN HOOZ
Address				County	Eddy		
				API No.	30-015-	4389	2 2
City, State, Zip				Rig Name & No.			
Phone No.				AFE/PO No.			
EXEMP	T E&P Waste/Service I	identification and i	Amount (place vi	lume next to w	iste type in barrels o	r cubic yards)	
Oil Based Muds	THE RESIDENCE OF THE PERSON NAMED IN	ABLE WATERS	INTERNITORIA	the stage of	OTHER EXEMPT WAST	ES (type and gener	ration process of the warte)
Oil Based Cuttings Water Based Muds		ater (Non-Injectable) Fluid/Flow back (Non-	-Injectable)				
Water Based Cuttings		ater (Non-Injectable)	трессияс			. /	
Produced Formation Solids Tank Bottoms	THE REST OF THE PARTY OF THE PA	ne Water/Waste (Non	ı-Injectable)		Re	(1)	
E&P Contaminated Soil	Truck Washo	out (exempt waste)					
Gas Plant Waste							
WASTE GENERATION PROCESS:	DRILLING		COMPLETION		PRODUCTION	G	ATHERING LINES
		NON-EXEMPT E&P	VVaste/Service Idea	tification and Amo	unt	جريا ويفاره	
All non-ex	empt E&P waste must be	analysed and be belo	w the threshold lin	its for toxicity (TCL	P), Ignitability, Corrosiv	ty and Reactivity	
Nan-Exempt Other			1015	*please select fro	m Non-Exempt Waste	List on back	
QUANTITY		B - BARRELS			Y - Y	'ARDS	E - EACH
I hereby certify that the above listed mater				or any applicable	state law. That each w	aste has been pr	operly described, classified and
packaged, and Is in proper condition for tra		-		nerations and are	not mixed with non-exc	mnt waste (R36	O Accepts certifications on a per
I I BCRA EXEMPT:	asis only)	on arra gas empro, arra	or are production	perotions on a me	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	inperiore (iiso	o recepts terminations on a per
RCRA NON-EXEMPT: Oil fiel	d waste which is non-haza	ardous that does not	exceed the minimu	m standards for w	aste hazardous by chara	cteristics establ	Ished in RCRA regulations, 40 CFR
				, subpart D, as ame	ended. The following do	cumentation de	monstrating the waste as non-
	lous is attached. (Check th						
☐ WEDS	Information	RCRA Hazardous	s Waste Analysis		Other (Provide Descrip	tion Below)	
2 · · ·							
ENCH SOIL (FST	4) votal						
(PRINT) AUTHORIZED AGENTS SIGNATURE			ſ	ATE		DTAMBIZ *	IRE
		TR	RANSPOR	ΓER			
Transporter's	WHIAS			Driver's Name	Rofael (1.	
Name /// // Address // Address	2747				Toraci (072	
Address 11/1/2 pox	1 8824/			Print Name	770-436-	10211	
Phone No. 575 399			+12.	Phone No.	710 726-	6841	
			-	Truck No.	766	The state of the s	1
I hereby certify that the above named mate	rial(s) were picked u	ip at the Generator's :	site listed above ar	d delivered withou	t incident to the dispos	al facility lister to	199)·
-1/5/21 SHIPMENT DATE	DRIVER'S SIGNAT	TIBE		1/5/2	TY DATE	144	DRIVER'S SIGNATURE
- I STANDARD OF THE STANDARD O			OCAL FA				
TRUCK TIME S		DISP	OSAL FA	LILITY	1	RECEIVING	G AKEA
IN: _3-3/17 OUT					Name/N	lo	
Site Name/	. 065			Phone No.			6
Permit No. Red Bluff Facility/ ST			- 2	11101121107	432-448-4239		
Address 5053 US Highway 285, O							
NORM READINGS TAKEN? (Chloride	Circle One) YES	10			ng > 50 micro roentgens	? (circle one)	YES
Chemical Analysis (Mg/l)			_	(mmhos/cm)			рН
		TA	NK BOTT	OMS	ř	-	
Feet		Inches	AL DOTT	21413	ı		
1st Gauge			1	BS8	W/BBLS Received		BS&W (%)
2nd Gauge					Free Water		
Received			J		Total Received		
there is easify that the	orial has been felt of), Accepted	Parlane	(C =1, 1 1 1 2	4	. 1	AND DESCRIPTION OF THE PARTY OF
I hereby certify that the above load mat	arrei nas peen (circle one)): ACCEPTED	DENIED	If denied, why?	-//-		
100g - Un'si		7.7	1/100	UE	7)	-//	
VAME (PRINT)		DATE	(, , ,	ITLE	1	V SIGNATIL	38L
					1/		

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

		CHEV) MCI						
		Carlsba	d, NM					
NO #	CAR- (435 NON-HAZARI	OOUS WASTE N	MANIFEST	1, PAC	GE_LOF	2. TRAIL	ER NO.	1 1
	3. COMPANY NAME	4. ADDRESS	COLLINE			PICK-UP DATE	:	
G	CHEVRON CARLSBAD PHONE NO.		, GREENE S		ZIP 6.	3 -11		
E	575-887-5676	CARLSBA	AD, NM 882				r	
IL.	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		8. CON'	TAINERS Type	9. TOTAL QUANTITY	IO. UNIT WT/Vol.	112
N	a. Cravitas SUD 42				TT	zurlis		
	b. APE 300 145 289 20001							
E	contaninaled Det							
R	d.							
IX	12. COMMENTS OR SPECIAL INSTRUCTION	S:				13. WASTE I	ROFILE	10.
A								
	14. IN CASE O	F EMERGENCY C	OR SPILL, CO	ONTAC	T	24-HOUR	EMED CIT	NCV NO
T	CHEVRON CARLSBAD						-887-50	
_	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignm	ent are ful	ly and accurate	ly describe	d above.
О								
R	PRINTED TYPED NAME		SIGNATURE					DATE
	Eik Saiz.		and	Se.			-5-5	.}
T R	16. TRANSPORTER (1) NAME DAMA		17. NAME	'TF	RANSPO	RTER (2)		
A	NAME KANA							
N S	IN CASE OF EMERGENCY CONTACT: Tra	at Tolks	IN CASE OF I	EMERGI	ENCY CO	NTACT:		
P O	EMERGENCY PHONE: 1/32 - 2/2-760		EMERGENCY	PHONE	∃:			
R	18. TRANSPORTER (1): Acknowledgment of		19. TRANSI	ORTE	R (2): Ac	knowledgment	of receipt	of material
T E	PRINTED/TYPED NAME	Cola	PRINTED/TY	PED NA	ме			
R S	SIGNATURE	DATE /5/11	SIGNATURE				DATE	
	120 0/00	ADDRESS:	w 2005			PHONE	:	
D F	9(6) 1(0) 1) of	9053 VS Hu	1 (799	10		431	Lyyy	84229
I A S C	PERMIT NO.		20. COMMEN					
P I O L	57 F-065							
S I A T	21. DISPOSAL FACILITY'S CERTIFIC		ify that the above	describ	ed wastes	were delivered	to this fac	lity, that the
LY	facility is authorized and permitted to receive suc AUTHORIZED SIGNATURE	n wastes.	CELL NO.		DATE		TIN	
	Toge Coan		93).498.4	776	1-	50%	3	:3785
	JA JA VI							

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4



Permian Basin

CHEVRON MIDCONTINENT LP Customer:

RBF1920

Ordered by: ERIK SAIZ (ESPG)

215716

1/5/2021

MIGUEL

05

R&M TRUCKING

AFE #:

PO #:

Manifest #: Manif. Date:

Customer #:

Hauler:

Driver Truck #

Card # Job Ref#

Ticket #:

740-259104

Bid #:

O6UJ9A000GPB

Date: Generator: 1/5/2021 Chevron

Generator #:

Well Ser. #:

43892 Well Name:

GRAVITAS 2 STATE SWD

Well #:

Field:

Field #:

Rig: **NON-DRILLING** County EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Cell CI Cond. %Solids **TDS** PCI/GM MR/HR H2S % Oil Weight Lab Analysis: C2 0.00 0.00 0.00 N/A N/A N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:	

B ¹⁰	1	60	7
ar.			QD.
	mannys.	1	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

(ompany	Man	Contact	Informa	ation
Nam	e				

INVESTIGATE OF			erise i mirriy	Phone N	0.
c\	11.	GEN	NERATOR	NO.	215716
Operator No.	NKOV	- 100	Permit/RRC No. Lease/Well	Carlaga	San of the san
Operators Name			Name & No.	Gravitas 2 St	7MD HODS
Address			County API No.	20-715-43002	
City, State, Zip			RIg Name & No.	34 200 - 138 10	
Phone No.			AFE/PO No.		
	A STATE OF THE PARTY OF THE PAR	AND RESIDENCE OF THE PARTY OF T		ste type in barrels or cubic yards)	
Oil Based Muds Oil Based Cuttings	AAND ROMEN AND AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED I	ABLE WATERS ater (Non-Injectable)		OTHER EXEMPT WASTES trype and selver	rition process of the waste)
Water Based Muds Water Based Cuttings		Fluid/Flow back (Non-Inject /ater (Non-Injectable)	table)		
Produced Formation Solids Tank Bottoms		ine Water/Waste (Non-Injec	table)	Belly	
E&P Contaminated Soil	THE RESERVE OF THE PERSON NAMED IN COLUMN	out (exempt waste)		1	
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING		MPLETION	PRODUCTION	ATHERING LINES
		11 2000	s/Service Identification and Amou		ATTIENING ENTES
All.000	exempt E&P waste must be), ignitability, Corrosivity and Reactivity	y.
Non-Exempt Other			*please select from	n Non-Exempt Waste List on back	
QUANTITY		B - BARRELS		20 Y-YARDS	E - EACH
hereby certify that the above listed ma			CFR Part 261 or any applicable s	tate law. That each waste has been pr	operly described, classified and
packaged, and is in proper condition for			d production operations and are n	ot mixed with non-exempt waste (R36	O Assants sortifications on 2 as
I RURA EXEMPT:	d basis only)	on and gas exploration and	r production operations and are in	or mixed with holl-exempt waste fuso	io Accepts certifications on a pe
				ste hazardous by characteristics establ	
	1.21-261.24, or listed hazard zardous is attached. (Check I			nded. The following documentation de	monstrating the waste as non-
MS	DS Information	RCRA Hazardous Was	te Analysis	Other (Provide Description Below)	
t C .	(1.00)				
Cr.16 Sq. 12	(2596)				
(PRINT) AUTHORIZED AGENTS SIGNAT	UNE	TDAR	NSPORTER	SIGNATU	HE.
Fransporter's	- 113	INAL		1	
Name	PRINCKING	r*	Driver's Name	Migvel Yerez	
Address 30 box 3	168 JAN	2	Print Name Phone No.	578 101.6079	
Phone No. (7)5)39	62163		Truck No.	213 62, 6418	
hereby certify that the above named n	naterial(s) was/were picked	up at the Generator's site lis	sted above and delivered without	incident to the disposal facility listed b	elow.
			1,502	Migriel	D.
TRUCK TIME	DRIVER'S SIGNA			RECEIVING	mites 3 6 dimpone
	UT:	DISPUS	SAL FACILITY		D/
Site Name/	01%		Į	Name/No.	
Permit No. Red Bluff Facility/	STF-065		Phone No.	432-448-4239	
Address 5053 US Highway 285					
NORM READINGS TAKEN Chlaride	17 (Circle One) YES	O _	If YES, was reading Conductivity	g > 50 micro roentgens? (circle one)	YES
Chemical Analysis (Mg/l)			(mmhos/cm)		рН
_			BOTTOMS		
st Gauge Feet		Inches	BS&1	W/BBLS Received	BS&W (%)
2nd Gauge				Free Water	
Received				Total Received	
Thereby cortify that the above load r	naterial has been (circle one): ACCEPTED	DENIED If denied, why?	1 1	
Joge haris		-5,71	necever	4 /1	
NAME (PRINT)		DATE	I C THUE	SIGNATU	JAE
				1/	

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV MCI								
		Carlsba	d, NM							
NO #	CAR- 3434 NON-HAZARI	DOUS WASTE	MANIFES 7	1. PA	GE 丄	OF.	_ 2. TRAIL	ER NO.	Atm	
-	3. COMPANY NAME CHEVRON CARLSBAD	4. ADDRESS	. GREENE S	т		5 PIC	K-UP DATE		28 N 1624 C	
G	PHONE NO.		TATE		ZIP	6.	500			
E	575-887-5676		AD, NM 882							
	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		8. CON No.	TAINI Typ). TOTAL QUANTITY	10. UNIT WT/Vol.	11.	
N	a Gravitac SWD #7				77		20 Yels			
_	6. APT 300 145 389 2000 1	*								
E	a Conteminated Dirt									
R	d.									
-	12. COMMENTS OR SPECIAL INSTRUCTION	S:				13	3. WASTE P	ROFILE	NO.	
A										
	14. IN CASE C	OF EMERGENCY (OR SPILL, CO	ONTAC	СТ		24-HOUR	EMEDOL	NCV NO	
T	CHEVRON CARLSBAD							-887-5		
o	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignm	ent are	fully a	and accurate	ly describe	ed above	
R	PRINTED TYPED NAME	7	SIGNATURE	DATE						
	Frik Suit		Silv	E,)-6-	7.1		
T R	16. TRANSPORTER (1) NAME		17. NAME	TR	RANS	PORT	ΓER (2)			
A	Karlo I		,							
N S	IN CASE OF EMERGENCY CONTACT: TO	of Jackson	IN CASE OF E	MERGI	ENCY	CONT	ACT:			
P	EMERGENCY PHONE: 432 - 217 -	7662	EMERGENCY	PHONE	₹:					
R	18. TRANSPORTER (1): Acknowledgment	Freceipt of material	19. TRANSP	ORTE	R (2):	Ackno	wledgment o	of receipt (of material	
T E	PRINTED/TYPED NAME W (U &	recov	PRINTED/TYI	PED NA	ме _					
R S	SIGNATURE Bull MI	DATE 1.5-2	SIGNATURE					DATE		
D F	8360 81Blue	ADDRESS: 5053 45 }	(vy 165		- H		PHONE: 972.	448.4	()2n	
I A S C	PERMIT NO.	00191	7 × 79 7 20. COMMENT			_	U		100	
P I O L	57F-065									
S I	21. DISPOSAL FACILITY'S CERTIFICA	ATION: 1 Hereby certi	fy that the above	describe	d wast	es wer	e delivered t	o this faci	lity, that the	
A T L Y	facility is authorized and permitted to receive such	ı wastes.	and the		15.	P7 P7		Tru	(F)	
	AUTHORIZED SIGNATURE		CELL NO.	(DA	-5-71		TIM 2		
	Joge la (i)		4324481	1115	1	1'	7		1019	

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4



Permian Basin

Customer: CHEVRON MIDCONTINENT LP

RBF1920

Customer #: RBF1920
Ordered by: ERIK SAIZ (ESPG)

AFE #: PO #:

Manifest #: 215692 Manif. Date: 1/5/2021

Hauler: Driver

FAVIAN 141

Truck #
Card #
Job Ref #

Ticket #:

740-259105

Bid #:

O6UJ9A000GPB

Date: Generator:

1/5/2021 or: Chevron

Generator #:

Well Ser. #: 43892

Well Name:

GRAVITAS 2 STATE SWD

Well #:

Field:

Field #: Rig: County

NON-DRILLING EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

7.00

Lab Analysis: C2

 Cell
 pH
 Cl
 Cond.

 C2
 0.00
 0.00
 0.00

%Solids N/A

R&M TRUCKING

TDS

MR/HR

H2S

% Oil Weight

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:	

	-			1	1
В	7	-	Œ	50	ത
150	F23/	1116.14	1	d	"
	N.	UFICE.	i Va	g	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

SE	Р	RI	NT)		*R	EΟ	ΙUJ	R	E	D	H	V	ĺ

VFORMATION* Name_

Company Man Contact Information

Selections Co.					,			Ph	one No.		
			0	ENERAT			N	10.		2156	92
Operator No.	16-11000				Permit/RRC N Lease/Well	lo,	Caralli	4-0	010	760	
Operators Name Address	Chellon				Name & No. County		Edit	1as	5W.	DX	
	0 1 1 1 10	003	-		API No		30-	015.	438	392	
City, State, Zip Phone No.	Corbbad NIN	882	20_		Rig Name & N AFE/PO No.	lo.	-				
Priorie (vo.	EXEMPT EXP W	este/Service, Iden	tificabols and a	นก็สนับ (เปล)สาย		o wast	e type in barrels	or cubic v	ards)		
Oil Based Muds Oil Based Cuttings		West of Alles	CATER S		1 2 3 4 4 4	INCOMES AND ADDRESS.	THER EXEMPT WAS	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,	COLUMN TWO IS NOT THE OWNER.	process of the wa	ste)
Water Based Muds Water Based Cuttin		Completion Fluid/ Produced Water (Flow back (Non-	Injectable)				4			
Produced Formatio		Gathering Line W	ater/Waste (Non	-Injectable)			130	11;			
E&P Contaminated	Soil	Truck Washout (e	COLUMN TWO IS NOT THE OWNER. THE PARTY OF TH	A SOLITE) 10				
Gas Plant Waste WASTE GENERAT	TON PROCESS:	DRILLING		COMPLETION		P	RODUCTION		GATH	ERING LINES	-
	The same of the same			Waste/Service (den							
Non-Exempl Other	All non-exempt E&P	vaste must be analy	sed and be belo	w the threshold lim			Non-Exempt Wast				_OM(\S.
QUANTITY			B - BARRELS				γ.	YARDS	2-	F - F	EACH
	the above listed material(s), is (ar			by 40 CFR Part 261	L or any applica	able sta		-(een properl		
packaged, and is in p	proper condition for transportatio	n according to appli	cable regulation.								
RCRA EXEM	PT: load basis only)	enerated from oil ar	iu gas expluratio	n and production c	perations and	areno	t mixed with non-e	xempt was	20 (K30U ACC	epts cernicano	ons on a per
RCRA NON-E		nich is non-hazardou r listed hazardous w									
		ched. (Check the ap	propriate Items a	is provided)							
C	/ Managamado		RCRA Hazardous	waste Analysis			ther (Provide Descr	ription Belo	w)		
Lri	K 29502-	(ESPG)									
(PRINT) AU	THORIZED AGENTS SIGNATURE				ATE		-		SIGNATURE		
Transporter's	11 +	, I	TR	ANSPOR'	TER		P1.	10	1	a a	
Name Address	K+M / lauspon	NS		-	Driver's Name	1	abjon (on	1/1/	ab	
Address F	John Don 88	3241			Print Name Phone No.	_			· · · · · · ·		
Phone No.	575-390-21	63'		2	Truck No.		14//	401	180	0692	9
I hereby certify that	the above named material(s) was	wore picked up at t	he Generator's s	ite listed above an	d delivered wit	thout in	ncident to the dispo	osal facility	isted below		
SHIPMENT	DATE JEAN	DRIVER'S SIGNATURE			-	ELIVERY D	DATE /	9-6	ORIVER"	S SIGNATURE	
רור	RUCK TIME STAMP		DISP	OSAL FAC	CILITY				VING A	REA	
IN:/	0 OUT:					L	Name/	No.		VI.	
Permit No. Re	ed Bluff Facility/ STF-065			-	Phone No.	43	12-448-4239				
_	153 US Highway 285, Orla, TX 797 M READINGS TAKEN? (Circle One)		0		16 455		50	2411			
	loride	YES	(0)		Conductivity		> 50 micro roentger	nsr (circle c	ine)	YES	6
Citetifical Affaiyata (N(g) ()		TAI	VK BOTTO	(mmhos/cm	T			***	Va	_рН
	Feet	Inch									
1st Gauge 2nd Gauge						BS&W	/BBLS Received Free Water		BS8	&W (%)	
Received] [Total Received				
I hereby certify th	at We above load material has be		ACCEPTED	DENIED	If denied, w	vhy?	1	1	9		
10090	(1981	1-5	181		cc.ve/		4	///	ricalità		
dr.	man franti	DAT	c.	1 - 3	***		//	V	SIGNATURE		
							1/				

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV MC											
		Carlsba	d, NM										
NO #	CAR- 3433 NON-HAZARI	DOUS WASTE	MANIFEST	1. PA	GE 🔔	OF.	2. TRAIL	ER NO.	14)				
G	3. COMPANY NAME CHEVRON CARLSBAD PHONE NO.		E. GREENE S		ZIP f	1-5	K-UP DATI						
E	575-887-5676 7. NAME OR DESCRIPTION OF WASTE SHIP	AD, NM 882			25 0	TOTAL	10. UNIT	n.					
N		T GD.		No.	Турс	Q	UANTITY						
	6. API 300 145389 2000	*				6	zbřa						
E	c. Contaminated Dirt					-							
R	12. COMMENTS OR SPECIAL INSTRUCTION	JS:				13	. WASTE P	ROFILEN	IO.				
A	14. IN CASE O	OF EMERGENCY (OR SPILL, CO	ONTAC	T.								
Т	CHEVRON CARLSBAD	24-HOUR 575	EMERGE -887-56										
o	15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.												
R	PRINTED TYPED NAME		SIGNATURE DATE										
T R A N	16. TRANSPORTER (1) NAME RAM		17. O TRANSPORTER (2) NAME										
S P	IN CASE OF EMERGENCY CONTACT: Tren EMERGENCY PHONE: 437 - 212- 76		IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:										
O R T	18. TRANSPORTER (1): Acknowledgment of PRINTED/TYPED NAME	f receipt of material	19. TRANSP		, ,		J	·	f material				
E R S	SIGNATURE AND SIGNATURE	DATE 5 2/	SIGNATURE _					DAT'E					
D F	R360 Red Blott	ADDRESS: 5053 Vs H. Orly, Tx	nx 285 79770				PHONE:	.448~	1285				
S C P I O L	PERMIT NO. 5 (F-065		20. COMMENT				ŭ.						
S I A T	21. DISPOSAL FACILITY'S CERTIFICA facility is authorized and permitted to receive such		ify that the above	describe	d waste	s were	delivered t	to this facil	ity, that the				
L Y	AUTHORIZED SIGNATURE		CELL NO.	734	DAT	E 5-8	}{	7 (B 3012				

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4



Permian Basin

Customer:

R&M TRUCKING

OSBALDO

1721

RBF1920

ERIK SAIZ (ESPG)

Ordered by: AFE#:

PO #:

Manifest #:

Customer #:

215687 Manif. Date: 1/5/2021

Hauler: Driver

Truck # Card # Job Ref# CHEVRON MIDCONTINENT LP

Ticket #:

740-259106

Bid #: Date:

O6UJ9A000GPB 1/5/2021

GRAVITAS 2 STATE SWD

Generator:

Chevron Generator #:

43892 Well Ser. #:

Well Name: Well #:

Field:

Field #:

Rig: **NON-DRILLING** EDDY (NM) County

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Customer Approval

Cell pН C2 0.00

CI Cond. 0.00 0.00

%Solids N/A

TDS

PCI/GM N/A

MR/HR

H2S

% Oil Weight N/A

THIS IS NOT AN INVOICE!

Approved By:	Data	
Apploved by.	 Date:	

	1
RS	160
PROPERTY.	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED IN

4 - 1		٠	-		*	**			٠.		_	_	,	
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C	ompany	Man	Contact	Informa	tion
Management	N 7	l フ			

Acceleration (Collision)				(FLEASE FRIII	11) 1120	THE THE OTHER THANKS	Phone No.	
			(GENERAT		NO.		215687
Operator No.					Permit/RRC No. Lease/Well	Charles		
Operators Name Cheuro	7				Name & No	Gravitas ?	state	2. SWD. HOOZ.
Address					County API No.	30.01	= 43	P.Q7.
City, State, Zip					Rig Name & No.	-50.0	-2-10	
Phone No.					AFE/PO No.			
	E&P W			Amount (place v	volume next to w	aste type in barrels or cu	No. of Concession, Name and Advanced Date of Concession, Name and Conce	
Oil Based Muds Oil Based Cuttings		Washout Water	(Non-Injectable)			OTHER EXEMPT WASTES IN	rpe and generation	process of the weste).
Water Based Muds Water Based Cuttings		Completion Flui	d/Flow back (Non- r (Non-Injectable)	Injectable)				
Produced Formation Solids		Gathering Line 1	Water/Waste (Non	ı-Injectable)		1001	\vee	
Tank Bottoms E&P Contaminated Soil	/	Truck Washout	NAME AND ADDRESS OF TAXABLE PARTY.			1000	≥ /	
Gas Plant Waste		D2011012						
WASTE GENERATION PROCESS:		DRILLING		COMPLETION		PRODUCTION	GATH	ERING LINES
All non-exe	mpt ESP			The state of the s	ntification and Ame nits for toxicity (TC)	unt LP), Ignitability, Corrosivity a	nd Reactivity.	
Non-Exempt Other					*please select fro	om Non-Exempt Waste List	on back	
QUANTITY			B - BARRELS			Y - YARD	5 700	E - EACH
I hereby certify that the above listed materia	ıl(s), is (ar	e) not a hazardou	s waste as defined	by 40 CFR Part 26	i1 or any applicable	state law. That each waste	has been properl	y described, classified and
packaged, and is in proper condition for tran					operations and are	not mixed with non-exempt	waste (R360 Acc	cepts certifications on a per
load ba	sis only)							
						aste hazardous by character ended. The following docum		
			ppropriate items		-,,,,,	and a second	ziidii (i) ii derriori	Tracing the Waste as Holl
MSDS I	nformatio	n	RCRA Hazardous	Waste Analysis		Other (Provide Description	Below)	
4 Cil Sc.	2 /	(2596)						
IPRINT) AUTHORIZED AGENTS SIGNATURE	4.1	-6/19)			DATE	S=====================================	SIGNATURE	
			TR	ANSPOR	Name and Address of the Owner, where the		SONATORE	
Transporter's 12 (1 11/4	111.			MINI ON	WORKS IN THE	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0 .1	
Name Dam. To	20K1	V4.		-	Driver's Name	Opposig @	E. 61	Ofer
Address 40 box	200	I MA			Print Name Phone No.			
Phone No. 525 300-	2/-	63		-	Truck No.	1721W11	0011	ia .
I hereby certify that the above named mater	ial(s) was	/were picked up a	t the Generator's s	= site listed above a				
V 1-5-21.	sba	ORIVER'S SIGNATURE	Clore		1-5-2		shalo	0 2.
TRUCK TIME ST	AMP	DRIVER 3 SIGNOTORE	DISP	OSAL FA	Walter Committee of the	and the state of	CEIVING A	RFA
IN: 2:1917 OUT			D131	OSALIA	CILIT	Name/No.		D/
Site Name/ Permit No. Red Bluff Facility/ STF	065				Phone No.	432-448-4239		
Address 5053 US Highway 285, Or		70		_		432-440-4233		
NORM READINGS TAKEN? (C		YES	Ad.		If YES, was reading	ng > 50 micro roentgens? (ci	rcle one)	YES 😥
Chloride Chemical Analysis (Mg/l)					Conductivity (mmhos/cm)			Hq
			TAI	VK BOTT	OMS		~ ~~	
Feet		ln	ches	-				
1st Gauge 2nd Gauge				-	858	kW/BBLS Received Free Water	BS8	&W (%)
Received						Total Received		
I hereby comity that the above load mate	ial has be	en (circle pne):	ACCEPTED	DENIED	If denied, why?	1	<u> </u>	
4191 1000	0 21	1-5	16)		e NI	(E)	77	
NAME (PRINT)		0	DATE	(100	TITLE	1	SIGNATURE	
						//	-5	
						V		

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

DISLOSYE SILLE CODA 3 & 4

CENERATOR: COPY 1

DIZEOZYF ZILE: COL	TRANSPORTER: COPY 2	TOR: COPY 1
16 St. Carlsbad, NM 88220	ed form to Chevron Carlsbad 3150 E. Greer	mail copy of complete
000001111 11 2 12		בווכ והצטעצוע

Released to	Imaging:	6/28/2021	5:10:59	PM

Disposal Site: Please complete Disposal Facility section at bottom of form and									
LIPE:E	16'	/ 51	686h-8hh-18h		1379 (1966)				
TIME	the second	DATE	СЕГГИО.		AUTHORIZED SIGNATURE	r z			
	*****			ich wastes.	facility is authorized and permitted to receive su	T A			
off facility, that the	vere delivered to th	d wastes v	fy that the above describe	CATION: 1 Hereby certi	21. DISPOSAL FACILITY'S CERTIFIC	I S I O			
					PERMIT NO.	I d			
			50. COMMENTS	11/1.0	(12) + (2) CALIVAGA	R C			
bech	HOME:		DLL PT =	VDDRESS:	A360 [] [] []	DE			
T.E	Ad		SIGNATURE	DATE /	SIGNATURE	S			
			PRINTED/TYPED NA	- 0	PRINTED/TYPED NAME	E L			
lairotam lo tqios	nowledgment of re	g (5): Vek	19. TRANSPORTE	lairotam lo tgiscer lo	18. TRANSPORTER (1): Acknowledgment	Я			
			EMERGENCY PHONE	2976	EMERGENCY PHONE: 432-212-	O d			
	TACT:	NCA COP	IN CASE OF EMERGE	1.271 JOE 4.V.	IN CASE OF EMERGENCY CONTACT: Tra	S			
						N V			
			NAME		NVWE BYW	Я			
	КТЕК (2)	Odsny	ATT .71		16. TRANSPORTER (I)	,L			
12	2 -1		.21.3	1	РЯІИТЕР ТҮРЕР ИАМЕ	Я			
TTAC			SIGNATURE		HMAN GRANT GREWING				
			9	a aus wur amiaan (aalat)	D' PEMERATOR S CENTULCATION	0			
		llut aus tu:	attingiznos sidi lo signino	and test arelash velous [4]	15. GENERATOR'S CERTIFICATION:				
Z-S6Z6	24-HOOR EWE					T			
		.l.	R SPILL, CONTAC	OF EMERGENCY O	IN CVSE	V			
						\ \			
ILE NO.	13. WASTE PROF			:SN	15. COMMENT'S OR SPECIAL INSTRUCTION	В			
					*P				
					Contrariusted Dirt	E			
				18002	1 AP L 20015 43892				
	Splaz	L L			" Gravites sub #2	N			
Vol.	U OI JATOT 6 VTW YTITWAUQ	Type Type	8, CONT	bed:	1. NAME OR DESCRIPTION OF WASTE SHIP	E			
Trjante			D, NM 88220	CARLSBA	9/95-/88-5/5	1			
2		-9 df2			БНОИЕ ИО. БНОИЕ ИО.	c			
10	CK-NB DVLE	Id 'S	GREENE ST.	4. ADDRESS	3. СОМРАНУ ИАМЕ				
74/0		E TOF	VAILEST L. PAG	DOUS WASTE M	MAZAH-NON SO45-8A	O# ON			
Carlsbad, VM									
	90		n	WCB					
CHEABON									



Permian Basin

Customer: CHEVRON MIDCONTINENT LP

R&M TRUCKING

RAFAEL

166

RBF1920

Ordered by: ERIK SAIZ (ESPG)

AFE #: PO #:

Manifest #: 215681 Manif. Date: 1/5/2021

Hauler: Driver

Customer #:

Truck # Card # Job Ref#

Ticket #:

740-259107

Chevron

Bid #: Date:

O6UJ9A000GPB 1/5/2021

Generator:

Generator #:

Well Ser. #: 43892 Well Name: **GRAVITAS 2 STATE SWD**

Well #:

Field:

Field #:

Rig: County

NON-DRILLING EDDY (NM)

Facility: Red Bluff

Product / Service Quantity Units **Contaminated Soil (RCRA Exempt)** 20.00 yards

Cell рН CI Cond. %Solids TDS PCI/GM MR/HR H2S Weight % Oil C2 0.00 0.00 Lab Analysis: 0.00 N/A N/A N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:
- 15 p. c. c c c y .	Dato

R369	TEXAS NON-HAZARI	DOUS OILFIELD WASTE MANIF PLEASE PRINT) REQUIRE		Company Man Contact Information
		THE PARTY OF THE P		one No.
0 1	GI	ENERATOR	NO.	215681
Operator No.	111	Permit/RRC No Lease/Well	, ,	2 //
Operators Name CHerro	1	Name & No.	(2001/45)	stell sup It
Address		County	The cold	×
		API No.	30-015-43	P92
City, State, Zip		Rig Name & No.	-	
Phone No.		AFE/PO No.		
	TE&P Wasto/Service Identification and An			
Oil Based Muds Oil Based Cuttings	NON-INJECTABLE WATERS	(01	HER EXEMPT WASTES (type an	d generation process of the warte)
Water Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Injectable)	iectable)		
Water Based Cuttings	Produced Water (Non-Injectable)		n. 11.	
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (Non-Ir	ijectable)	nelly	
E&P Contaminated Soil	Truck Washout (exempt waste)			
Gas Plant Waste	- Control (Control (C			
WASTE GENERATION PROCESS:	DRILLING	COMPLETION PF	RODUCTION	GATHERING LINES
All non-ex	NON-EXEMPT E&P W: empt E&P waste must be analysed and be below t	Ne/Service Identification and Amount		activity
Non-Exempt Other			Non-Exempt Waste List on bo	
QUANTITY	B - BARRELS	- MAITE - NO ELIE	W Y-YARDS	E - EACH
MSDS MSDS	lous is attached. (Check the appropriate items as Information RCRA Hazardous W		her (Provide Description Below	SIGNATURE
Name /// // Address // Ac ×	2297	_	110FACT LE	24
11-flex	11 P1241	Print Name	11-1/2/	584/1
Phone No. 525-390	2163	Phone No.	760436 6	777
		Truck No.		4
544 C	rial(s) was re picked up at the Generator's site	940 2		isted.belgw.
/ - 5 - 2 / SHIPMENT DATE	DRIVER'S SIGNATURE	1/S/OCLIVERY DA		DRIVEN'S SIGNATURE
TRUCK TIME S	TAMP DISPO	SAL FACILITY	RECEIN Name/No.	VING AREA
Site Name/ Permit No. Red Bluff Facility/ STI	F-065	Phone No.	2 445 4220	
Address 5053 US Highway 285, O		43.	2-448-4239	
2033 GB (IIIB)(144) 2031 G		II NEC	70 1 2 2 1 1	
NORM READINGS TAKEN? (C Chloride Chemical Analysis (Mg/I)	Circle One) YES 🕡	If YES, was reading > Conductivity (mmhos/cm)	· 50 micro raentgens? (circle o	ne) YES (No
	TAN	K BOTTOMS		
Feet Feet	Inches		male a	
1st Gauge 2nd Gauge		BS&W/	BBLS Received Free Water	BS&W (%)
Received			Total Received	
		The same of the sa		
I here certify that the above load mate	erial has been (circle one): ACCEPTED	DENIED If denied, why?	M	

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV MC								
	Carlsbad, NM									
NO #	CAR- 3431 NON-HAZAR	DOUS WASTE	MANIFEST	[]. PA	GE <u>L</u> OF	2. TRAIL	ER NO.	111		
	3. COMPANY NAME 4. ADDRESS 5. PICK-UP DATE									
G	6									
575-887-5676 CARL SRAD, NM 88220										
E	7, NAME OR DESCRIPTION OF WASTE SHIP			8. CON	TAINERS	9. TOTAL	IO. UNIT	11.		
N	a. 0			No.	Туре	QUANTITY	WT/Vol.			
.,	b. Gravitas SWD #2				Tr	70 lds				
E	API 300154 289 20001					_		-		
	Contamorated Dirt									
R										
	12. COMMENTS OR SPECIAL INSTRUCTION	S:				13. WASTE P	ROFILE	NO.		
A	14. IN CASE O	E EMED CENOU	OD CDILL CA	N 100 1 C	I/D	<u></u>				
Т	IN CASE C	F EMERGENCY	OR SPILL, CO	JNIAC		24-HOUR	EMERGE	ENCY NO.		
1	CHEVRON CARLSBAD					575-	-887-5	676		
o	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignm	ent are full	y and accurate	ly describ	ed above.		
R	PRINTED TYPED NAME		SIGNATURE					DATE		
	Erik Syz		Tilled	4		1-5	- 21			
T R	16. TRANSPORTER (1)		17.) TR	ANSPO	RTER (2)				
A	NAME RAM		NAME							
N S	IN CASE OF EMERGENCY CONTACT: Tre		IN CASE OF E	MEDCE	NCV CON	ረግ'ል ርግጉ				
P	EMERGENCY PHONE: 432 - 2/2 -	_	EMERGENCY			V171C 1.				
O R	18. TRANSPORTER (1): Acknowledgment o		19. TRANSP			nowledgment o	of receipt of	of material		
T E	PRINTED/TYPED NAME	To the	PRINTED/TYF			24"	•			
R	5017	1/1/2						 3		
S	SIGNATURE	ADDRESS:	SIGNATURE				DATE			
D F	R360 Red Bleft	Hwy 285 432-448-21239								
I A S C P I O L	PERMIT NO. STF-065		20. COMMENTS							
S I A T L Y	21. DISPOSAL FACILITY'S CERTIFIC A facility is authorized and permitted to receive such		ify that the above	describe	d wastes w	ere delivered (o this faci	lity, that the		
u r	AUTHORIZED SIGNATURE		CELL NO.		DATE		TIM			
	Joge (accia 43).448-4234 1-5-21 2:068									

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4



Permian Basin

Customer: Customer #:

Ordered by:

AFE #:

PO#

ERIK SAIZ (ESPG)

Manifest #: Manif. Date:

Hauler: Driver

Truck # Card # Job Ref#

CHEVRON MIDCONTINENT LP

RBF1920

215712 1/5/2021

R&M TRUCKING

MIGUEL

05

Ticket #:

740-259108

Bid #:

O6UJ9A000GPB 1/5/2021

Date: Generator:

Chevron

Generator #: Well Ser. #: 43892

Well Name: **GRAVITAS 2 STATE SWD**

Well #:

Field:

Field #: Rig:

NON-DRILLING

County

EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell 0.00

CI Cond. 0.00 0.00

%Solids N/A

TDS PCI/GM N/A

MR/HR

H2S

% Oil Weight N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	 Date:



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION* Name ____

Company Man Contact Information

Etablish C		Phone No.
Operator No.	GENERATOR	No. 215712
Operator No.	Permit/RRC No. Lease/Well	() I all the con March
Operators Name (NCVIO)	Name & No	Gravitas I State SUD 4002
Address	County	30505-43442
City, State, Zip	API No. Rig Name & No.	JU 015 - 170 CK
Phone No.	AFE/PO No.	
	pervice Identification and Amount (place valume next to	waste type in harrels or rubic yards)
Oil Based Muds Non	NINIECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
	hout Water (Non-Injectable) pletion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings Prod	luced Water (Non-Injectable)	1 33114
	nering Line Water/Waste (Non-Injectable)	- Devi
E&P Contaminated Soil Truck	k Washout (exempt waste)	
Gas Plant Waste WASTE GENERATION PROCESS: DRIL	LING COMPLETION	PRODUCTION GATHERING LINES
	NON-EXEMPT E&P Waste/Service (dentification and An	nount
	must be analysed and be below the threshold limits for toxicity (T	
Non-Exempt Other	*please select j	from Non-Exempt Waste List an back
QUANTITY	B · BARRELS	20 Y-YARDS E-EACH
InchA exempt: I load basis only) RCRA NON-EXEMPT: Oil field waste which is received the azardous is attached. (MSDS Information Grik 12 [PRINT] AUTHORIZED AGENTS SIGNATURE Transporter's Name Address Para Box 3297 Holds NM 893	ed from oil and gas exploration and production operations and an another control of the minimum standards for	waste hazardous by characteristics established in RCRA regulations, 40 CFI mended. The following documentation demonstrating the waste as non-Other (Provide Description Below)
Phane No. 575-390-2163	Truck No.	05 /WHY 6649
1-5-21	picked up at the Generator's site listed above and delivered without the Generator's site listed above and delivered with the Generator's site	out incident to the disposal facility fixed below.
TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
N: _1:4867_ OUT:		Name/No.
ite Name/		
ermit No. Red Bluff Facility/ STF-065	Phone No.	432-448-4239
5053 US Highway 285, Orla, TX 79770		
NORM READINGS TAKEN? (Circle One) Chloride Chemical Analysis (Mg/l)	Conductivity	ding > 50 micro roentgens? (circle one) YES
10000000	TANK BOTTOMS	рн
Feet	Inches	
st Gauge		S&W/BBLS Received BS&W (%)
2nd Gauge Received		Free Water Total Received
		ioral verelaca
Therefore certify that the above load material has been (cin	cle one): ACCEPTED DENIED If denied, why	y? J M

White - ORIGINAL

Blue - TRANSPORTER Yellow - GENERATOR

Version 1

	CHEVRON MCBU									
	Carlsbad, NM									
NO #	CAR-3430 NON-HAZAR	DOUS WASTE	MANIFEST	1. PAG	GEOF	2. TRAIL	ER NO. 1	7. 0		
	3. COMPANY NAME	4. ADDRESS		-		PICK-UP DATE				
G	CHEVRON CARLSBAD 3150 E. GREENE ST. 1-5-3-4									
	575-887-5676 CARL SBAD, NM 88220									
E	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		8. CON'	TAINERS	9. TOTAL QUANTITY	10. UNIT	11.		
N	a. Gravitas SwD 2			110.	77	207ds	**********			
	6. API 3001543892000	a.								
E	c. Centurinalist Dirt									
R	d.									
K	12. COMMENTS OR SPECIAL INSTRUCTION	IS:				13. WASTE P	ROFILE	(O.		
A										
	14. IN CASE O	OF EMERGENCY (OR SPILL, CO	ONTAC	Т			_		
T	CHEVRON CARLSBAD					24-HOUR . 575-	emerge -887-56			
	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignme	ent are ful					
0										
R	PRINTED TYPED NAME		SIGNATURE					DATE		
	Crik Saiz		Einit-	5			1-	5 = 2.1		
T R	16. TRANSPORTER (1) NAME K-M		17. NAME	*TR	ANSPO	RTER (2)				
A	INAME KA-VI		IVAIME							
N S	IN CASE OF EMERGENCY CONTACT: "Tre/	t Talkler	IN CASE OF E	MERGE	NCY CO	NTACT:				
P	EMERGENCY PHONE: 432 - 212 768	1987	EMERGENCY							
O R	18. TRANSPORTER (1): Acknowledgment of		19. TRANSP	ORTE	R (2): Acl	mowledgment o	of receipt o	of material		
T E	PRINTED/TYPED NAME TO THE	Daryie	PRINTED/TY	PED NA	ME					
R S	SIGNATURE	DATE (C -1)	SIGNATURE				DATE			
	- 010	ADDRESS:	1 200			PHONE:				
D F I A	R360 (ed is life	5053 US t	Hur 285	70		432-4	148-4.	239		
I A S C	PERMIT NO.	0,(4)	20. COMMEN			1 000				
P I D L	57 F-065									
S I	21. DISPOSAL FACILITY'S CERTIFIC		ify that the above	describe	d wastes v	were delivered t	o this faci	lity, that the		
A T L Y	facility is authorized and permitted to receive suc	h wastes.	CELLNO		DATE		TIM	IE		
	AUTHORIZED SIGNATURE		CELL NO.	D 2.	DATE	C11	1.	5017		
	Jog Garie		1432448-61	14	44	7'/	1.	701.		

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4

Weight



Permian Basin

Customer:

Customer #:

RAFAEL

166

AFE #: PO #:

Manifest #: 215674 1/5/2021 Manif. Date: **R&M TRUCKING**

Hauler: Driver

Ordered by:

Truck # Card# Job Ref#

CHEVRON MIDCONTINENT LP

RBF1920

ERIK SAIZ (ESPG)

Date:

Generator:

Ticket #:

Bid #:

1/5/2021 Chevron

Generator #:

43892 Well Ser. #:

Well Name: **GRAVITAS 2 STATE SWD**

740-259109

O6UJ9A000GPB

Well #:

Field:

Field #:

NON-DRILLING Rig: EDDY (NM) County

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Cell CI Cond. %Solids **TDS** PCI/GM MR/HR H₂S % Oil Lab Analysis: C2 0.00 0.00 0.00 N/A N/A N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:
--------------	-------



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information
Name 9 K 39. Z
Phone No 675-161-405 A

January C				F	Phone No. 575-361-409
		GENE	RATOR	NO.	215674
Operator No.			Permit/RRC No. Lease/Well	1	* 10 1/002
Operators Name Chevron			Name & No.	Gravitas &	State Sill HOUL
Address			County	E007	. 47/192
			API No.	_30-015	93817
City, State, Zip			Rig Name & No.		
Phone No.			AFE/PO No.		
	Waste/Service Identific	ation and Amount	(place volume next to v	vaste type in barrels or cubic	
Oil Based Muds Oil Based Cuttings	Washoul Water (Non			OTHER EXEMPT WASTES ITYPE	and generation process of the waste)
Water Based Muds	Completion Fluid/Flov		2)		
Water Based Cuttings Produced Formation Solids	Produced Water (Nor		EA .	1 73.114	
Tank Bottoms	Gathering Line Water INTERNAL USE ONLY	/ waste (Non-injectab		Devi	1
E&P Contaminated Soil	Truck Washout (exem	ipt waste)		1	
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING	COMP	LETION	PRODUCTION	GATHERING LINES
WASTE GENERATION TROCESS.					GATTERING LINES
All non-exempt E Non-Exempt Other				ioant CLP), ignitability, Corrosivity and from Non-Exempt Waste List on	
QUANTITY	B - E	BARRELS		JJ Y-YARDS	E - EACH
I hereby certify that the above listed material(s), is	(are) not a hazardous was	te as defined by 40 CF	R Part 261 or any applicab	le state law. That each waste ha	s been properly described, classified and
packaged, and is in proper condition for transport					
RCRA EXEMPT: Oil field wast load basis on		as exploration and pro	duction operations and ar	re not mixed with non-exempt w	aste (R360 Accepts certifications on a per
_		at does not exceed th	e minimum standards for	waste hazardous by characteristi	ics established in RCRA regulations, 40 CFR
					itation demonstrating the waste as non-
	attached. (Check the approp		_		
MSDS Inform	ation RCR	A Hazardous Waste A	nalysis =	Other (Provide Description Be	elow)
Car Carrie	7				
(CIK Sq. 2 (25th	a) Verbul				
(PRINT) AUTHORIZED AGENTS SIGNATURE			DATE		SIGNATURE
	3	TRANS	PORTER		
Transporter's R&M Cuck.	-, 4		Driver's Name	- That h) <u>/</u> _
Name Address Address	7		Print Name	- runce La	70
TI SEE ALM	89141		Phone No.	221.4	131. 18411
Phone No. 575- 344 -3	167		Truck No.	111 1111	D (0) 1/2
				100 100	
I hereby certify that the above named material(s):	was prere licked up at the o	Generator's site listed		out incident to the disposal facilit ~ 2	ty listed below
SHIPMENT DATE	THER'S SIGNATURE			VERY DATE	INVERS SIGNATURE
TRUCK TIME STAN	IP /	DISPOSA	L FACILITY		EIVING AREA
IN: 17:37 PT OUT:		DISTUSA	LIACILIII		LIVING AREA
				Name/No.	
Site Name/ Permit No. Red Bluff Facility/ STF-065			Phone No.	432-448-4239	
Address 5053 US Highway 285, Orla, TX	79770			Talls Title Tool o	
NORM READINGS TAKEN? (Circle C		Place -	If VES was read	ding > 50 micro roentgens? (circle	le one) YES NO
Chloride		1	Conductivity	and a so the o to enter the fair of	e one) YES
Chemical Analysis (Mg/l)			(mmhos/cm)_		pH
		TANK B	OTTOMS		
Feet	Inches			SOLUTION S Described	1 200111100
1st Gauge 2nd Gauge			В	5&W/BBLS Received Free Water	BS&W (%)
Received				Total Received	
	-				
hereby certify that the above load material ha	s been (circle one):	1	NIED If denied, wh		
day (cari	(-51)		lucivor	_ \\\]	
HAMME (PRINT)	DATE		to 5 nrue	// \	SIGNATURE
				1/	

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

	CHEVRON MCBU								
		Carlsba	d, NM						
NO #	CAR-3427 NON-HAZARI	DOUS WASTE N	MANIFEST	1. PAC	GE ↓ OF	2. TRAIL	ER NO.	166	
	3. COMPANY NAME	4. ADDRESS		_	5. I	PICK-UP DAT	 E		
G	CHEVRON CARLSBAD PHONE NO.		E. GREENE S' STATE		ZIP 6.	G EU	Car l		
575-887-5676 CARLSBAD. NM 88220									
E	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		8. CON	TAINERS	9. TOTAL QUANTITY	10. UNIT	Hs	
N	a. C	***************************************		140.	Type	2041	W 17 VOI.		
- '	b. 200 KU 300 7000				1.	23.01			
E	Contaminated Dict								
D	q.								
R	12. COMMENTS OR SPECIAL INSTRUCTIONS:					13. WASTE I	PROFILE	NO.	
A	A								
	14. IN CASE O	F EMERGENCY O	OR SPILL, CO	NTAC	T				
T	CHEVRON CARLSBAD						EMERGE -887-56		
	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this co	onsignme	ent are ful	ly and accurate	ely describe	ed above.	
O									
R	PRINTED TYPED NAME		SIGNATURE					DATE	
	Erik Saiz ESPG		17. TRANSPORTER (2)						
T R	16. TRANSPORTER (1) NAME TRANSPORTER (1)		17. NAME	TR	LANSPO	RTER (2)			
A	LEBENTO KANA								
N S	IN CASE OF EMERGENCY CONTACT: 1766	AF JACKSES	IN CASE OF EMERGENCY CONTACT:						
P O	EMERGENCY PHONE: 432 - 212 - 7		EMERGENCY PHONE:						
R	18. TRANSPORTER (1): Acknowledgment of		19. TRANSPORTER (2): Acknowledgment of receipt of material						
T E	T PRINTED/TYPED NAME								
R S	SIGNATURE A	DATE //=/-	SIGNATURE _				DATE		
_	7.40	ADDRESS:				PHONE	;		
D F	R360 Rd Block	5053 US H.		d		ur.	7. uvo.	4279	
I A S C	PERMIT NO.	D) (4 ()	20. COMMENT				110	100	
P I	57F-065								
SI	21. DISPOSAL FACILITY'S CERTIFIC.		fy that the above	describe	d wastes	were delivered	to this faci	lity, that the	
A T L Y	facility is authorized and permitted to receive suc	h wastes.	CRLLNO		DATE		TIM	1F	
	AUTHORIZED SIGNATURE	c.·.	CELL NO.	. (/17.		5-71		13717	
	Jorge U9	(;)	774 718	1/34		771	10	<u>ی </u>	

GENERATOR: COPY 1

TRANSPORTER: COPY 2



Customer: Customer #:

AFE #:

Hauler:

Driver

Truck #

Card #

Job Ref#

PO #:

Ordered by:

Manifest #:

Manif. Date:

CHEVRON MIDCONTINENT LP

RBF1920

215691

1/5/2021

OSBALDO

172

ERIK SAIZ (ESPG)

R&M TRUCKING

Ticket #: Bid #:

740-259110

Date:

O6UJ9A000GPB 1/5/2021

Generator:

Chevron

Generator #:

43892

Well Ser. #:

Well Name:

GRAVITAS 2 STATE SWD

Well #:

Field:

Field #:

Rig:

NON-DRILLING

County

EDDY (NM)

H2S

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell рΗ C2 0.00

CI 0.00

Cond. %Solids 0.00 N/A

TDS

PCI/GM N/A

MR/HR

% Oil N/A

Weight

Customer Approval

THIS IS NOT AN INVOICE!

Date:

		1
F	736	300
Die	PARTITION	All V
	STOREGET .	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE

PRINT)	*REQUI	RED IN	FORMA	TION*

Company	Man	Contact	Information
---------	-----	---------	-------------

STATE		· ·				Phon	e No.
Operator No.	70	G	ENERATO	Permit/RRC No.		VO.	215691
(1)				Lease/Well	(= " + 1	. 26.	ate SUD HOOZ
Operators Name Chevron				Name & No.	arau da	5 F >F	ite sur front
Address				County	7001	15-43	1492
City, State, Zip				API No. Rig Name & No.	->0-0	() ()	4.0
Phone No.				AFE/PO No.			
EXEMPT E&P Wa	ste/Service Identifi	cation and Ar	mount (place vo	olume next to w	aste type in barrel	s or cubic yar	dsl
Oil Based Muds	MONUMERTABLE W	ATERS			TOWNS OF STREET, STREE	STATE OF THE PARTY	seceration process of the waste)
Oil Based Cuttings Water Based Muds	Washout Water (Nor Completion Fluid/Flo		njectable)				
Water Based Cuttings Produced Formation Solids	Produced Water (No	n-Injectable)			0 0	, ,	
Tank Bottoms	Gathering Line Wate INTERNAL USE ONLY		njectable)		1 Sil	1	
E&P Contaminated Soil Gas Plant Waste	Truck Washout (exer	mpt waste)					
WASTE GENERATION PROCESS:	DRILLING		COMPLETION		PRODUCTION		GATHERING LINES
Value to the Color of the Color				tification and Ame			GITTENING CITES
All non-exempt E&P v						sivity and Reac	Hvity.
Non-Exempt Other				*please select fr	om Non-Exempt Wa	ste List on back	(
QUANTITY	8 -	BARRELS			211 v	- YARDS	E - EACH
I hereby certify that the above listed material(s), is (are	e) not a hazardous was	ste as defined b	ov 40 CFR Part 261	or any apolicable	state law. That each	waste has bee	
packaged, and is in proper condition for transportation			, , , , , , , , , , , , , , , , , , , ,	or any apprecia	State save. The count	Transce this bee	in property described, classified a
RCRA EXEMPT: Oil field wastes ge load basis only)	nerated from oil and p	gas exploration	and production of	perations and are	not mixed with non-	exempt waste (R360 Accepts certifications on a
<u> </u>	ich is non-hazardous t	hat does not ex	ceed the minimu	m standards for w	aste hazardous by ch	aracterístics es	tablished in RCRA regulations, 40
261,21-261,24, or	listed hazardous wast	e as defined by	40 CFR, part 261				n demonstrating the waste as nor
	hed. (Check the appro			_	Na		
MSDS Information	L KC	RA Hazardous V	Waste Analysis	L_	Other (Provide Desc	ription Below)	
9 0 0 0 7000	1	1					
(PRINT) AUTHORIZED AGENTS SIGNATURE	/ Verbu		p	ATE	7.	SIG	NATURE
	177	TR	ANSPORT	TED	1	-	
Transporter's Pin T	C;	TIM]	140	
Name CVCK-11	<u> </u>			Driver's Name	QQ00	10	5 210to.
Address Po Do X 3497	6241			Print Name			
Phone No. 575 - 3970 - 2	163			Phone No.	172/	11-18	1119
The ship of Alexandria	word alakad we at the	Commente de sit		Truck No	172 (W 1 4	0011
recent certify that the above named material(s) was/					2 dent to the disp	osal facility list	ad below.
SHIPMENT DATE	DRIVER'S SIGNATURE	4:00:	5	DELIVE	RV DATE		DRIVER'S SIGNATURE
TRUCK TIME STAMP		DISPO	DSAL FAC	CILITY		RECEIVI	NG AREA
IN: _ C+ : 4217 OUT:					Name,	/No.	D/
Site Name/				Phone No.			
Permit No. Red Bluff Facility/STF-065 Address 5053 US Highway 285 Orla TV 2077				FIIONE NO.	432-448-4239		
3033 03 Highlady 203, Old, (A 7377		-		of some			
NORM READINGS TAKEN? (Circle One) Chloride	YES	9		onductivity	ng > 50 micro roentge	ens? (circle one	YES P
Chemical Analysis (Mg/I)				(mmhos/cm)			pH
	, 40	TAN	K BOTTO	OMS			
1st Gauge Feet	Inches		ſ	BSS	&W/BBLS Received		85&W (%)
2nd Gauge			1		Free Water		d3644 (70)
Received]	[Total Received		
I hereby certify that the above load material has bee	en (circle one):	ACCEPTED	DENIED	If denied, why		,	
July lician	1-50	21		evo		0 1	
NAME (PRINT)	DATE		1/ (1	THE .	· = -	* Usa	NATURE
					V		

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV MC	District Section 1				2/		
		Carlsba	d, NM						
NO ‡	CAR- 3429 NON-HAZAR	DOUS WASTE	MANIFEST	[], PAC	GE_LOF	Ĺ 2. TRAIL	ER NO.	172	
G	3. COMPANY NAME CHEVRON CARLSBAD		E. GREENE S		- 1	ICK-UP DATE	Ę.	6 6-	
E PHONE NO. CITY STATE ZIP 6 CARLSBAD, NM 88220									
L	7. NAME OR DESCRIPTION OF WASTE SHIP	PPED:		8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol	1L	
N	a. Granitas Sun 2			77	201de				
E	6. API 300154389 ZOO	00/							
R	d. Contaminated Dirt								
K	12. COMMENTS OR SPECIAL INSTRUCTION				13. WASTE P	ROFILE	NO.		
A IN CASE OF EMERGENCY OR SPILL, CONTACT							7131		
T	CHEVRON CARLSBAD	T EMERGENCT	ok Si ille, et	JNIAC		24-HOUR	емексе -887-50		
0	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignme	ent are fully				
R	PRINTED TYPED NAME		SIGNATURE DATE						
	Erik Saiz		ailing 19921						
T R A N	16. TRANSPORTER (1) NAME RAM		17. TRANSPORTER (2) NAME						
S P	IN CASE OF EMERGENCY CONTACT: TIEA		IN CASE OF EMERGENCY CONTACT:						
O R	EMERGENCY PHONE: 432 - 212 - 7		EMERGENCY PHONE:						
T E	18. TRANSPORTER (I): Acknowledgment of PRINTED/TYPED NAME	19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME							
R S	SIGNATURE (25) Dal 1 a 2								
) F	7-36 Red Bluff	ADDRESS: US	Hwy 2 (* 797	85 70		рнопе: ЧЗД	.448-	4739	
S C P I D L	STF-065		20. COMMENT	S					
S I	21. DISPOSAL FACILITY'S CERTIFICA facility is authorized and permitted to receive such		fy that the above	described	wastes we	re delivered to	this facil	ity, that the	
Y	AUTHORIZED SIGNATURE		CELL NO.		DATE	·).(TIM	! ५५ १ ७	
	Jon (nris		432-448	4739	1-5.	001	16	- 177	

GENERATOR; COPY 1

TRANSPORTER: COPY 2



CHEVRON MIDCONTINENT LP Customer:

R&M TRUCKING

FABIAN

191

RBF1920

Ordered by: ERIK SAIZ (ESPG)

AFE #: PO #:

> Manifest #: 215675 Manif. Date: 1/5/2021

Hauler: Driver

Customer #:

Truck #

Card # Job Ref#

Ticket #: Bid #:

Date:

740-259111 O6UJ9A000GPB

Generator:

1/5/2021 Chevron

Generator #:

Well Ser. #: 43892 **GRAVITAS 2 STATE SWD**

Well Name: Well #:

Field:

Field #: Rig: County

NON-DRILLING EDDY (NM)

Facility: Red Bluff

Product / Service

Lab Analysis:

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

N/A

Cell

рΗ CI Cond. C2 0.00 0.00 0.00

%Solids N/A

TDS PCI/GM

MR/HR

H2S

% Oil Weight N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:
--------------	-------

ceived by O	OCD: 3/1/2021 8:59	0:57 AM					Page 18
R369		TEXA	S NON-HAZARDOUS O (PLEASE		ANIFEST UIRED INFORMATION		Man Contact Informat
			GENER	ATOR	NC),	215675
Operator No: Operators Name Address	che v lon			Permit/RRC No. Lease/Well Name & No. County	Glavita Edd 4	is 5402	2
City, State, Zip Phone No.	Galls Bad	NM 882	20	API No. Rig Name & No. AFE/PO No.		7 1701	
		The second secon	tification and Amount (p	ace volume next to	A A THE PARTY OF T	AND THE RESIDENCE OF THE PARTY	Sandra Carea
Oil Based Muds Oil Based Cuttin Water Based M Water Based Cu Produced Forms Tank Bottoms E&P Contamina Gas Plant Waste	ngs nuds uttings ation Solids	Produced Water	Non-injectable) /Flow back (Non-Injectable) (Non-Injectable) ater/Waste (Non-Injectable)		OTHER EXEMPT WASTE	Call (wocess of (ne waste)
WASTE GENER	RATION PROCESS:	DRILLING	COMPLE	TION	PRODUCTION	GATHE	RING LINES
Non-Exempt Oth			N-EXEMPT E&P Waste/Servi yser and by below the threst	old limits for toxicity [T			
QUANTITY			B - BARRELS		Y - Y,	ARDS 2	E - EACH
	that the above listed material in proper condition for trans			art 261 or any applicab	le state law. That each wa	ste has been properly	described, classified and
Eri	Ioad basi ON-EXEMPT: Oil field v 261.21-2 hazardou	is only) waste which is non-hazardo (61.24, or listed hazardous v		minimum standards for art 261, subpart D, as al lysis	waste hazardous by chara	cteristics established i	in RCRA regulations, 40 CF
Transporter's Name Address	RIM Tra	158241	TRANSP	Driver's Name Print Name Phone No.	Fab lar	Contiero	S
Phone No.	-575-370	7-4102		Truck No.	17/	wiff 60	799
17-5-2	hat the above named materi	DRIVER'S SIGNATURE	the Generator's site listed ab	11-5-	Out incident to the disposal Country Date	Cat	SIGNATURE
IN: U	TRUCK TIME ST	AMP	DISPOSAL	FACILITY	F Name/N	RECEIVING AI	REA /
Site Name/	Red Bluff Facility/ STF-I	065		Phone No.	422 449 4220		
Permit No. Address	5053 US Highway 285, Oria				432-448-4239		
N	JORM READINGS TAKEN? (CIT		(O)				

TANK BOTTOMS

1st Gauge 2nd Gauge Received

Inches I hereby certify that the above load material has been (circle one):

ACCI

DATE

BS&W/BBLS Received BS&W (%) Free Water Total Received

ACCEPTED

DENIED

If denied, why?

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV) MCI						
		Carlsba						
NO #0	CAR- 3428 NON-HAZARI	OOUS WASTE N	MANIFEST	[] 1. PAC	ne ⊥ of	2. TRAIL	ER NO.	4/
	3. COMPANY NAME	4. ADDRESS			5. f	PICK-UP DATI	5	
G	CHEVRON CARLSBAD PHONE NO.	CITY S	. GREENE S		ZIP 6.	4		
E	575-887-5676 7. NAME OR DESCRIPTION OF WASTE SHIP		AD, NM 882	8. CON	TAINERS	9. TOTAL QUANTITY	10. UNIT	11.
N	a Gravitas Sust 2			No.	Туре	20%k	W 17 VOI.	
_	b. API 300154389200	001						
E	c Contaminated Dirt							
R	d.							ħ.
•	12. COMMENTS OR SPECIAL INSTRUCTION	S:				13. WASTE I	PROFILE	NO.
A	IN CASE O	F EMERGENCY C	D SPILL C	ONTAC	'T			
Т	CHEVRON CARLSBAD	F ENTERGENCI C	JK SI ILL, C	ONTAC	-		EMERGE	
	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this	onsignm	ent are ful			
O		•						
R	PRINTED TYPED NAME		SIGNATURE	17	ŭ.	,	per a	DATE
ran	16. TRANSPORTER (1)		17.	Trip	ANSPO	RTER (2)	5-2	
T R	16. TRANSPORTER (1) NAME (+)		NAME		ZALIADI C	ACLEIC (2)		
A N								
S	IN CASE OF EMERGENCY CONTACT: Tra	1 55 W.	IN CASE OF EMERGENCY CONTACT:					
P	EMERGENCY PHONE:		EMERGENC	-				
R T	18. TRANSPORTER (1): Acknowledgment of	f receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material					
E	PRINTED/TYPED NAME World of A	N. 5	PRINTED/TYPED NAME					
R S	SIGNATURE	DATE 12.5-21	SIGNATURE				DATE	
D F	R360 Red Bluff	ADDRESS: 5053 US A	-y 785 TK 797	70		432.	448.	4239
S C P I O L	PERMIT NO. 51F-065		20. COMMEN					
S I A T	21. DISPOSAL FACILITY'S CERTIFICATION facility is authorized and permitted to receive suc		ify that the abov	e describe	ed wastes	were delivered	to this fac	ility, that the
LY	AUTHORIZED SIGNATURE		CELL NO.		DATE		TIM	иЕ
	Jorge (igrail		432-448	-4>35	100	5-21	6	1:47pm

GENERATOR: COPY 1

TRANSPORTER: COPY 2



Customer:

Customer #: **RBF1920**

ERIK SAIZ (ESPG)

R&M TRUCKING

OSBALDO

172

AFE #: PO #:

Ordered by:

Manifest #:

215686 Manif. Date: 1/5/2021

Hauler: Driver

Truck # Card # Job Ref# CHEVRON MIDCONTINENT LP

Generator:

Generator #:

Ticket #:

Bid #:

Date:

43892 Well Ser. #:

Well Name: **GRAVITAS 2 STATE SWD**

Well #:

Field: Field #:

NON-DRILLING

Rig: County

EDDY (NM)

740-259112

1/5/2021

Chevron

O6UJ9A000GPB

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell рН C2 0.00

CI Cond. 0.00 0.00

%Solids N/A

TDS

PCI/GM 7.00

MR/HR

H2S % Oil N/A

Weight

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	
--------------	--

Date:

	0	
P.	260	
Chiesayes	C	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company	Man	Contact	Informatic
Name			

CN PERMITTEN	(1)	EASE PRINT) NECONIC	Phone No.	
	GE	NERATOR	NO.	215686
Operator No.		Permit/RRC No. Lease/Well	Y GOY X	210000
Operators Name Chavi On		Name & No.	arants 2 graye	SW8 H002
Address		County API No.	30.0C. 4	3897.
City, State, Zip		Rig Name & No.		
Phone No.	aste/Service identification and Amo	AFE/PO No.	te tune in harrols or cubic vards)	
Oil Based Muds	NON-INJECTABLE WATERS		THER EXEMPT WASTED Type and senter	on process of the waste)
Oil Based Cuttings Water Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Injec	ctable)		
Water Based Cuttings Produced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Inje	ertable)	0 111	
Tank Bottoms E&P Contaminated Soil	INTERNAL USE ONLY	Market School 2004	Be114.	
Gas Plant Waste	Truck Washout (exempt waste)			
WASTE GENERATION PROCESS:	DRILLING CO	OMPLETION P	RODUCTION GA	THERING LINES
All non-exempt E&P	NON-EXEMPT E&P Wast waste must be analysed and be below the	te/Service Identification and Amoun		
Non-Exempt Other			Non-Exempt Waste List on back	
QUANTITY	B - BARRELS		Y-YARD9ZO	E - EACH
I hereby certify that the above listed material(s), is (a packaged, and is in proper condition for transportalic		IO CFR Part 261 or any applicable sta	ate law. That each waste has been pro	perly described, classified and
	generated from oil and gas exploration an	d production operations and are no	t mixed with non-exempt waste (R360	Accepts certifications on a per
foad basis only)	fich ? (d d) d			
	hich is non-hazardous that does not exceed or listed hazardous waste as defined by 40		· ·	-
	ached. (Check the appropriate items as pro			
MSDS Information	on RCRA Hazardous Was	ste Analysis O	ther (Provide Description Below)	
9 0:10 50 7. 1	95867			
(PRINT) AUTHORIZED AGENTS SIGNATURE	-6214)	DATE	SIGNATURE	
	TRAI	NSPORTER		
Transporter's RSH TROCK	TNE.	Driver's Name	DShald a	<u>e</u> .
Address Do BOX 329	7	Print Name		
Hebbs U.P.	188240	Phone No-		
Phone No. 575-240	- 21-63	Truck No.	172. W/18- 4	56 79.
Thereby certify that the above named material(s) was	/were nicked up at the Generator's site li			w 0
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY D	DATE DRI	VER'S SIGNATURE
TRUCK TIME STAMP	DISPOS	SAL FACILITY	RECEIVING	AREA
IN: 4:176 OUT:			Name/No	<u> </u>
Site Name/ Permit No. Red Bluff Facility/ STF-065		Phone No.	32-448-4239	
Address 5053 US Highway 285, Orla, TX 79	170			
NORM READINGS TAKEN? (Circle One Chloride	YES 😭		> 50 micro roentgens? (circle one)	YES 10
Chemical Analysis (Mg/I)		Conductivity (mmhos/cm)		рН
	TANK	BOTTOMS		
1st Gauge Feet	Inches	ns&w	/BBLS Received	BS&W (%)
2nd Gauge		3347	Free Water	D 3 64 VV (76)
Received		4	Total Received	
Thereby certify that the above load material has be	een (circle one): ACCEPTED	DENIED If denied, why?	2 1/	
Jorg Chame (PRINT)	(-5-)(Mesur	4/1	
O C Towns (minut)	DATE	TITLE	SIGNATURE	

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

CHEVRON MCBU									
		Carlsba	d, NM						
NO #	CAR- 3438 NON-HAZARI	DOUS WASTE	MANIFES 7	I. PAG	ge <u>l</u> oi	<u> </u>	2. TRAIL	ER NO.	A HISTORY
~	3. COMPANY NAME	4. ADDRESS	CDEENEC	T	5.	PICK-	UP DATE	3	A D OF
G	CHEVRON CARLSBAD PHONE NO.		E. GREENE S STATE		ZIP 6.				
E	575-887-5676		AD, NM 882			.l	0.5		T.,
	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		No.	TAINERS Type			10. UNIT WT/Vol.	115
N	B. Erav. Fr. Swd Z				F 7	70	Yds		
	b. API 300 145389 20001	=							
E	c instantial Det		-						
R	d.								
	12. COMMENTS OR SPECIAL INSTRUCTION	S:				13. V	WASTE P	ROFILE	NO.
A									
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT 24-HOUR EMERGENCY NO.								
Т	CHEVRON CARLSBAD							-887-56	
o	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignm	ent are fu	lly and	l accurate	ly describe	ed above.
Ū									D 4000
R	PRINTED TYPED NAME		SIGNATURE	7				:	DATE
T	16. TRANSPORTER (1)		17.	> TR	RANSPO	ORTE	R (2)	/	4-1
R	NAME RAM		NAME						
A N									
S P	IN CASE OF EMERGENCY CONTACT: THA	•	IN CASE OF EMERGENCY CONTACT:						
0	EMERGENCY PHONE: 432-2/2-7		EMERGENCY			lam a sud	adament.	of societ	of maturial
R T	18. TRANSPORTER (1): Acknowledgment of	r receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material						
E R	PRINTED/TYPED NAME	· · · · · · · · · · · · · · · · · · ·	PRINTED/TY				LE C		
S	SIGNATURE	DATE / 5-2/	SIGNATURE		101 =			DATE	
D C	2710 8181	ADDRESS: 5053 US F	~4 285	-		- 1	PHONE:		
D F I A	R360 Red Bluff	Orla, T	× 79770)			432.	448-4	<i>}} Y</i>
S C P I	PERMIT NO.		20, COMMEN	ΓS					
O L	STF-015						(.C)		lier that the
S I A T	21. DISPOSAL FACILITY'S CERTIFICATION facility is authorized and permitted to receive such		ity that the above	describe	ed wastes	were (senvered t	to this faci	my, that the
L Y	AUTHORIZED SIGNATURE		CELL NO.		DATE			TIM	
	Jorge (Lyreig		432.448.4	339	11-	5.	21		1:1689

GENERATOR: COPY 1

TRANSPORTER: COPY 2



Customer:

CHEVRON MIDCONTINENT LP

Ticket #:

740-259113

RBF1920 Customer #:

Bid #: Date:

O6UJ9A000GPB

ERIK SAIZ (ESPG) Ordered by:

Generator:

1/5/2021 Chevron

AFE #: PO #:

215695 1/5/2021 Generator #: Well Ser. #:

Manifest #:

Well Name:

43892

Manif. Date: Hauler:

R&M TRUCKING

Well #:

GRAVITAS 2 STATE SWD

Driver Truck # **FABIAN** 141

Field: Field #:

NON-DRILLING

Card # Job Ref#

Rig: County

EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Cell 0.00 CI Cond.

%Solids

TDS PCI/GM MR/HR

% Oil

N/A

Lab Analysis:

C2

0.00 0.00 N/A

N/A

H2S

Weight

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:		Date:	
	•		

		1)
F	73	60	9
489	PERSONAL PROPERTY.	0	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Compan	ıy Man	Contact	informa	tior
Name				

ANY PROPERTY OF THE PROPERTY O	(1 22/32)	100017	Pl	ione No.
V-10 P-AN - 110 - 20 112 - 20 - 20 - 20 - 20 - 20	GENERA	ATOR	NO.	215695
Operator No.		Permit/RRC No. Lease/Well	2 1	
Operators Name Chellon		Name & No.	Evaguilas.	SWDZ
Address		County	Eddy	18-1,300
1.06/1/11	00 887)0	API No.	30-0	13-45002
City, State, Zip Cov Board 101 Phone No.	V. 80220	Rig Name & No.		
	et /Convention (for the ord America)	AFE/PÓ No.	este timo le bassale as suble	
Oil Based Muds	ste/Service Identification and Amount (pla NON-INJECTABLE WATERS	ice voiding next to we		nd generation process of the waste)
Oil Based Cuttings Water Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Injectable)			
Water Based Cuttings	Produced Water (Non-Injectable)		12/1	1 -
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY	EXTRIBENT VOICE	Bel1	4
E&P Contaminated Soil	Truck Washout (exempt waste)			
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING COMPLET	ION D	PRODUCTION	GATHERING LINES
Wiste development necess.				GATHERING EINES
All non-exempt E&P w	NON-EXEMPTE&P Waste/Service aste must be analysed and be below the thresho			eactivity.
Non-Exempt Other			m Non-Exempt Waste List on i	
QUANTITY	B - BARRELS		Y - YARDS	ZQ E-EACH
I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Pa	art 261 or any applicable		
packaged, and is in proper condition for transportation	* ''			
RCRA EXEMPT: Oil field wastes ge load basis only)	nerated from oil and gas exploration and produc	tion operations and are	not mixed with non-exempt was	ite (R360 Accepts certifications on a per
	ich is non-hazardous that does not exceed the mi	inimum standards for w	aste hazardous by characteristic	s established in RCRA regulations, 40 CFR
	listed hazardous waste as defined by 40 CFR, par	rt 261, subpart D, as ame	ended. The following documenta	tion demonstrating the waste as non-
MSDS Information	hed. (Check the appropriate items as provided) RCRA Hazardous Waste Analy.	rsis 🗍	Other (Provide Description Belo	nw)
	The state of the s		other (1 to the bescription better	744
9 File Suiz (6)	(96)			
(PRINT) AUTHORIZED AGENTS SIGNATURE	714)	DATE		SIGNATURE
0 =	TRANSPO	ORTER	01	
Transporter's	1/2	Driver's Name	11/1/2/	110
Name Address Do Bol 7397	4.2	Print Name	FRO 1001 CON 10	108
Valla May 882	4/1	Phone No.	-	
Phone No. 675 - 390 - 21	63	Truck No.	791 11.04	P11.09
hereby certify that the above named materialis) way	, were picked up at the Generator's site listed abo	ove and delivered withou	Lincident to the disposal facility	listed below.
2-5-21 Kat		1-5-2	1 //1	te
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVE		ORIVER'S SIGNATURE
TRUCK TIME STAMP	DISPOSALI	FACILITY	ŧ	VING AREA
IN:OUT:			Name/No.	<u> </u>
Site Name/ Permit No. Red Bluff Facility/ STF-065		Phone No.	432-448-4239	
Address 5053 US Highway 285, Orla, TX 7977	0		432-440-4233	
NORM READINGS TAKEN? (Circle One)	YES N	If YES, was readir	ng > 50 micro roentgens? (circle	one) YES
Chloride Chemical Analysis (Mg/I)	•	Conductivity (mmhos/cm)		337
ing i	TANK BOT	MODEL CONTRACTOR	unanem unimberatura	pH pH
Feet	Inches	IOIVIS	1	
1st Gauge		BS8	W/BBLS Received	BS&W (%)
2nd Gauge Received			Free Water Total Received	
			. Star received	
I hereby certify that the above load material has been	en (circle one): ACCEPTED DENIED		0 7	
Jorg (198.4	(-51) -11	(ccc.vcr	4//	
NAME (PRINT)	DATE	TITLE	1	SIGNATURE
			11	

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV MCI						
		Carlsba	d, NM					
NO #	CAR-3497 NON-HAZARI	DOUS WASTE N	MANIFEST	1. PA	GE <u></u> LOI	1_ 2. TRAIL	ER NO.	1141
	3. COMPANY NAME	4. ADDRESS	COSENEC	_	5. 1	PICK-UP DATI		
G	CHEVRON CARLSBAD PHONE NO.		. GREENE S	1.	ZIP 6.	1 20 100		
	575-887-5676		AD, NM 882	220				
E	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		8. CON No.	TAINERS	9. TOTAL QUANTITY	10. UNIT	11:
N	a Gravitas Supp #2			110.	TT	70 KJC	17 17 101.	
- 1	Ь					217,00		
E	API 300 145389200					-		
	d. Contaminated Dirt (Salt Nater 1		77-11				
R	12. COMMENTS OR SPECIAL INSTRUCTION	S:			<u> </u>	13. WASTE I	PROFILE N	1O.
A								
A	14. IN CASE O	F EMERGENCY O	OR SPILL, CO	ONTAC	CT			
Т	24-HOUR EMERGENCY NO.							
	CHEVRON CARLSBAD 15. GENERATOR'S CERTIFICATION:	Heraby declare that the	contents of this c	onsignm	ent are ful			
o	15, GENERATOR 5 CERTIFICATION	riciosy decime that the	contents of and c	0113151111		.,,	,	
	PRINTED TYPED NAME		SIGNATURE					DATE
R	Erik Siz ESPG		Sets!	8		1-5-3	.1	
T	16. TRANSPORTER (1)		17.	TI	RANSPO	RTER (2)		
R A	NAME TOO RIM		NAME					
N	IN CASE OF EMERGENCY CONTACT:	and T. O.K.Co.	IN CASE OF E	MED CH	ENCV CO	INITA CT-		
S P	EMERGENCY PHONE: 432 - 712 - 71		EMERGENCY			MINCI.		
O R	18. TRANSPORTER (1): Acknowledgment of		19. TRANSF			knowledgment	of receipt of	of material
T E	PRINTED/TYPED NAME	11-	PRINTED/TYPED NAME					
R	, , , , , , , , , , , , , , , , , , , ,	DATE	SIGNATURE				DATE	
S	SIGNATURE	ADDRESS:	SIGNATORE			PHONE		
D F	R360 Res Bluff	5053 US +	[~1 28 [4 797]	50				4239
S C P 1	PERMIT NO.		20. COMMEN	rs				
O L	5TF-665							
S I A T	21. DISPOSAL FACILITY'S CERTIFICATION of the control of the contro		fy that the above	describ	ed wastes	were delivered	to this faci	lity, that the
LY	AUTHORIZED SIGNATURE		CELL NO.		DATE		TIM	(E
	Jorge (1970)	14	432-448	-4234]-	5-21	4	1471
	J- J- 11714		1		****			

GENERATOR: COPY 1

TRANSPORTER: COPY 2



Customer:

Customer #: Ordered by:

AFE#:

PO#: Manifest #:

216165 Manif. Date: 1/13/2021

171

JHT LLC

OSBALDO

Hauler: Driver

Truck # Card # Job Ref# CHEVRON MIDCONTINENT LP

RBF1920 **ERIK SAIZ**

Generator:

Generator #:

Ticket #:

Bid #:

Date:

43892 Well Ser. #:

Well Name: **GRAVITAS 2 STATE SWD**

Well #:

Field:

Field #:

NON-DRILLING Rig: EDDY (NM) County

740-259559

1/13/2021

Chevron

O6UJ9A000GPB

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell pΗ C2 0.00

CI Cond. 0.00 0.00

%Solids N/A

TDS

PCI/GM

MR/HR 7.00

H2S

% Oil Weight N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:

Racy	TEX	AS NON-HAZARDOUS OILI (PLEASE PI		IRED INFORMATION*		ivian contact informatic
Operator No.		GENERA	TOR Permit/RRC No.	NO.		216165
Operators Name Address	Meuron		Lease/Well Name & No County	gravita	as 294 389	ate SWD?
City, State, Zip Phone No			API No. Rig Name & No. AFE/PO No.		1001	-0
Oif Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Sollds Tank Bottoms E&P Contaminated Soil	Completion Flu Produced Wate Gathering Line INTERNAL USE	IC WALERS r (Non-Injectable) id/Flow back (Non-Injectable) er (Non-Injectable) Water/Waste (Non-Injectable)	se volume next to w	VASTE TYPE IN BARRELS OF CO. TOTHER EXEMPT WASTES		rocest of the Wastel
Gas Plant Waste WASTE GENERATION PR	ROCESS: DRILLING	COMPLETIO	ON	PRODUCTION	GATHE	RING LINES
Non-Exempt Other	All non-exempt E&P waste must be an	ION-EXEMPT 68P Waste/Service livsed and be below the thresholi	d limits for toxicity (TC	ount LP), ignitability, Corrosivity om Non-Exempt Waste Lis		
QUANTITY		B - BARRELS		Y - YAR	DS 20	E - EACH
(PRINT) AUTHORIZED	hazardous is attached, {Check the ; MSDS Information	RCRA Hazardous Waste Analysi	DATE	Other (Provide Description	n Below)	
Transporter's Name	TH (TRANSPO	Driver's Name Print Name	Osbal	10 8	
Phone No.	ve named material(s) was/were picked up a	t the Generator's site listed above	Phone No. Truck No.	741		
SHIPMENT DATE	DRIVER'S SIGNATURE	t we deficited a site is seed above		RY DATE	DRIVER'S S	SIGNATURE
N: 9.57	K TIME STAMP OUT:	DISPOSAL F	ACILITY	RE Name/No.	CEIVING AF	REA D
	f Facility/ STF-065 lighway 285, Orla, TX 79770		Phone No.	432-448-4239		1g
NORM READI Chloride Chemical Analysis (Mg/l)	NGS TAKEN? (Circle One) YES	NO	If YES, was readin Conductivity (mmhos/cm)	ng > 50 micro roentgens? (c	ircle one) YE	ES NO
	Feet Inc	TANK BOT	TOMS			
st Gauge Ind Gauge Received			BS&	W/BBLS Received Free Water Total Received	BS&V	V (%)
hereby certify the the	bove load material has been (circle one):	ACCEPTED DENIED	If denied, why?	T . N. 1 15 - 2		

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV MC							
		Carlsba	d, NM						
NO #	CAR- NON-HAZARI	DOUS WASTE	MANIFEST	I. PAC	GE <u> </u>	2. TRAIL	ER NO.	į W	
G	3. COMPANY NAME CHEVRON CARLSBAD	4. ADDRESS	. GREENE ST	-	5. F	ICK-UP DATI	3		
G	PHONE NO.	CITY	STATE		ZIP 6.				
E	575-887-5676		AD, NM 8822		TAINERS	9. TOTAL	IO. UNIT	la -	
	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		No.	Type	QUANTITY		11.	
N	a Contunivated Dir	i			77	219ax			
E	b. Granifan Swid 72						ST.		
E	· API 300/5438926	222/							
R	d.								
	12. COMMENTS OR SPECIAL INSTRUCTION	S:				13. WASTE P	ROFILE	10.	
A	14. IN CASE O	F EMERGENCY (DE SHILL CO	NITAC	T				
T		F EMERGENCI (JR SFILL, CO	NIAC	1	24-HOUR			
	CHEVRON CARLSBAD 15. GENERATOR'S CERTIFICATION:	Useshu deelere that the			and Sall		-887-56		
O	13. GENERATOR 5 CERTIFICATION.	nereby decisie that the	contents of this col	isigniik	Silt ale Itili	y allu accurate	ly describe	u auove.	
R	PRINTED TYPED NAME		SIGNATURE				DATE		
_	Erik Saiz ESPG		San John John	× × 4					
T R	16. TRANSPORTER (1) NAME TERM FAM		17. TRANSPORTER (2) NAME						
A N	3								
S	IN CASE OF EMERGENCY CONTACT: 177 1	er gare,	IN CASE OF EM	1ERGE	NCY CO	NTACT:			
P O	EMERGENCY PHONE: 4/12 1/12 -768	Ž.	EMERGENCY F	PHONE:					
R T	18. TRANSPORTER (I): Acknowledgment o		19. TRANSPO	SPORTER (2): Acknowledgment of receipt of material					
E R	PRINTED/TTPED NAME		PRINTED/TYPE	D NAM	ME				
s	SIGNATURE	DATE / -15 ₹ /	SIGNATURE _				DATE		
		A R860: Environment		d Bluff		PHONE:			
D F I A			Highway 285						
S C P I	PERMIT NO.	Orla, TX 7977	D:043D:xt4864231	9					
OL SI AT	21. DISPOSAL FACILITY'S CERTIFICA facility is authorized and permitted to receive such	•	I fy that the above d	escribe	d wastes w	ere delivered t	o this facil	ity, that the	
LY	Maria Navarreta		CELL NO.		DATE	:51 Av	Λ \ \		

GENERATOR: COPY I

TRANSPORTER: COPY 2



Customer: Customer#:

Ordered by:

Manifest #:

Manif. Date:

AFE #:

Hauler:

Driver

Truck #

Card #

Job Ref#

PO#:

CHEVRON MIDCONTINENT LP **RBF1920**

ERIK SAIZ

216170

1/13/2021

JHT LLC

ROVEL

176

Ticket #:

740-259561

Bid #:

O6UJ9A000GPB

Date: Generator:

1/13/2021 Chevron

Generator #:

Well Ser. #:

43892

Well Name:

GRAVITAS 2 STATE SWD

Well #:

Field:

Field #:

NON-DRILLING

Rig: County

EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

CI Cond. %Solids

TDS

PCI/GM

MR/HR

H2S

Lab Analysis:

Cell

0.00

0.00

0.00

N/A

7.00

% Oil N/A

Weight

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date	·



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT) *REQUIRED INFORMATION* Name

Company	Man	Contact	Information

AMERICAN .			Phi	one No
		GENERATOR	NO.	216170
Operator No.		Permit/RRC		210110
Operators Name \ Chevron	Carlsbad	Lease/Well Name & No		SWD #2
Address	1,0000	County		
		API No.	0 300 1543	8920001
City, State, Zip		Rig Name 8	1976	
Phone No.		AFE/PO No		
EXEMPT	E&P Waste/Service Identification	and Amount (place volume nex	t to waste type in barrels or cubic v	ards)
Oil Based Muds	NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type in	
Oil Based Cuttings Water Based Muds	Washout Water (Non-Inject Completion Fluid/Flow back		_	
Water Based Cuttings	Produced Water (Non-Inject	able)	= 1 PO110	1
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste INTERNAL USE ONLY	(Non-Injectable)		1
E&P Contaminated Soil	Truck Washout (exempt was	ite)		75.
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING	COMPLETION	D PRODUCTION [CATHERING LINES
WASTE GENERATION PROCESS.		COMPLETION	PRODUCTION	GATHERING LINES
All non-eye	NON-EXEMPT mpt E&P waste must be analysed and be	ERP Waste/Service Identification of	d Amount	
Non-Exempt Other	and of the state o		lect from Non-Exempt Waste List on b	
		pictise se		
QUANTITY	B - BARREI			20 E - EACH
I hereby certify that the above listed materia	il(s), is (are) not a hazardous waste as de	efined by 40 CFR Part 261 or any app	licable state law. That each waste has b	een properly described, classified and
packaged, and is in proper condition for tran				
	wastes generated from oil and gas expl sis only)	oration and production operations a	nu are not mixed with non-exempt wast	e (K360 Accepts certifications on a per
RCRA NON-EXEMPT: Oil field	waste which is non-hazardous that doe	s not exceed the minimum standard	s for waste hazardous by characteristics	established in RCRA regulations, 40 CFF
261.21-	261.24, or listed hazardous waste as dei	fined by 40 CFR, part 261, subpart D,	as amended. The following documentat	ion demonstrating the waste as non-
	ous is attached. (Check the appropriate information RCRA Haza	tems as provided) Irdous Waste Analysis	Other (Breed) Breed of Bree	
	Methy 1020	10003 Waste Milalysis	Other (Provide Description Belov	w)
_				
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE	_	SIGNATURE
	\$7.000 B	TRANSPORTER		
Transporter's 2 2 M T	V. TILT		0 101	
	King JHT	Driver's Nar	ne X Kovel Dele	yeido
Address		Print Name	2	
DL M-		Phone No.	17/	
Phone No.		Truck No.	X 10	
I hereby certify that the above named mater	ial(s) was/were picked up at the Genera	tor's site listed above and delivered	without incident to the disposal facility l	sted below.
SHIPMENT DATE	DRIVER'S SIGNATURE	01-1	3-21 A A	(.D.C
JR JRUCK TIME ST		ISPOSAL FACILITY	The second second	DRIVER'S SIGNATURE
IN: 10-1947W OUT:		ISPOSAL FACILITY		VING AREA
			Name/No.	
Site Name/ Permit No. Red Bluff Facility/ STF-	065	Phone No.	432-448-4239	
Address 5053 US Highway 285, Orl	a, TX 79770		132 110 123	
NORM READINGS TAKEN? (CI	rcle One) TOS NO	If YES, was	reading > 50 micro roentgens? (circle o	ne) YES NO
Chloride Chemical Analysis (Mg/I)		Conductivity	/	
United Transfer		(mmhos/c		pH
Feet	Inches	TANK BOTTOMS		
1st Gauge	writez		BS&W/BBLS Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	
I he the certify that the above load mater	ial has been (circle one): — ACCEPT	eo DENIED If denied,	why?	1
INIMICIA NINACIONI	11000			
I WILLY IV WOLLY	<i>tu</i> 1.13.20	101	MNAUGUL) [

		CHEV					· · · · · · · · · · · · · · · · · · ·		
<u> </u>	MCBU Carlsbad, NM								
NO #	CAR- NON-HAZAR	DOUS WASTE		1 PAC	F OF	2. TRAIL	FR NO	7	
	3. COMPANY NAME	4. ADDRESS			5. P	CK-UP DATE			
G	CHEVRON CARLSBAD PHONE NO.		E. GREENE ST state		ZIP 6.		1		
E	575-887-5676		AD, NM 8822	-	CA DIEDE	0 TOTAL	10 IDUT		
	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		No.	TAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11,	
N	b. Contraction Det				7.7	is die			
E	6 400 100 200 200	 							
т.	4 P3 30075 4.589 Zoc	<i>p</i> !							
R	12. COMMENTS OR SPECIAL INSTRUCTION	S:				13. WASTE P	ROFILE N	1O.	
A									
T	14. IN CASE C	F EMERGENCY (OR SPILL, CO	NTAC	Т	24-HOUR	EMERGE	NCY NO.	
•	CHEVRON CARLSBAD 15. GENERATOR'S CERTIFICATION:	Haraba daslara that the			-4 C.U.		-887-5 6		
0	13. GENERATOR 5 CERTIFICATION.	nereby deciare that the	contents of this cor	isignme	nt are runy	and accurates	y describe	d above.	
R	PRINTED TYPED NAME		SIGNATURE					DATE	
T	16. TRANSPORTER (1)		17.	TD	ANSPOR	TED (1)			
R	NAME RAM		NAME	I K.	ANSFUR	1 ER (2)			
A N									
S P	IN CASE OF EMERGENCY CONTACT: Tree of EMERGENCY PHONE: 1877 12 12 12 12 12 12 12 12 12 12 12 12 12		EMERGENCY P	EMERGENCY CONTACT: Y PHONE:					
O R	18. TRANSPORTER (1): Acknowledgment of	f receipt of material	19. TRANSPO	RTER	(2): Ackn	owledgment o	of receipt o	f material	
T E	PRINTED/TYPED NAME	<u> Ugaka</u>	PRINTED/TYPE	D NAM	1E				
R S	SIGNATURE	DATE (71 - 13	SIGNATURE				DATE		
D F		ADDR 369 Enviro nm	ental Solutions - I	Red Bl	uff	PHONE:			
I A			US Highway 285						
P 1	PERMIT NO.	Ona, IX 7	790C488448F4	239					
O L S I A T	21. DISPOSAL FACILITY'S CERTIFICA	·	fy that the above do	escribed	wastes we	re delivered to	this facil	ity, that the	
LY	facility is authorized and permitted to receive such AUTHORIZED SIGNATURE	wasies.	CELL NO.		DATE		TIM	E	
	Mana Navarrety				10:1	7 Am	1-1	3:21	

GENERATOR: COPY 1

TRANSPORTER: COPY 2



CHEVRON MIDCONTINENT LP Customer:

RBF1920 Customer #: Ordered by: **ERIK SAIZ**

AFE #:

PO #: Manifest #:

216171 Manif. Date: 1/13/2021

JHT LLC

ALONZO

Hauler: Driver

Job Ref#

Truck # 160 Card #

0.00

Ticket #: 740-259562

Bid #: Date:

O6UJ9A000GPB 1/13/2021

Generator:

Chevron Generator #:

43892 Well Ser. #:

Well Name: Well #:

GRAVITAS 2 STATE SWD

Field:

Field #:

Rig: County

NON-DRILLING EDDY (NM)

H2S

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

C2

0.00

20.00 yards

Cell pН CI Cond.

0.00

%Solids N/A

PCI/GM TDS

MR/HR 7.00

% Oil Weight

N/A

Lab Analysis:

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:
• • •	

		1
	300	600
B	16-576	2000
(5)	ADSOLUTE	AT .
	SECURAL .	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE

PRINT)	*REQUIRED	INFORMATION:
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Company	Man	Contact	Informatio
---------	-----	---------	------------

ALIGNOSTIC CONTROL CON		(PLEASE PRINT)	*REQUIRED INFORMATION*	Name Phone No.	
		GENERATOR	NO.	216	5171
Operator No.		Permit/ Lease/V	(4. H		7414
Operators Name Che Vro	n Carlsbad	Name &	(married SO)	SWD #2	
		API No.	300154	38920001	
City, State, Zip		Rig Nam			
Phone No.		AFE/PO			
Oll Based Muds	PT E&P Waste/Service Injertification	The second secon	The second secon		
Oil Based Cuttings	Washout Water (Non-Inje		OTHER EXEMPT WASTES I	ype and surration process of a	
Water Based Muds	Completion Fluid/Flow ba				
Water Based Cuttings Produced Formation Solids	Produced Water (Non-Inju				
Fank Bottoms	Gathering Line Water/Wa	iste (Non-injectable)	2011		
E&P Contaminated 3011	Truck Washout (exempt v	vaste)	Der		
Gas Plant Waste					
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERING LIN	IES
All non-e	xempt E&P waste must be analysed and	PT EEP Waste/Service Identification to below the threshold limits for to	rand Amount ixicity (TCLP). Ignitability, Corrosivity a	ind Reactivity.	
Non-Exempt Other		*please	e select from Non-Exempt Waste List	on back	
QUANTITY	B - BARI	RELS	Y - YARD	os 20	E - EACH
hereby certify that the above listed mate ackaged, and is in proper condition for to	erial(s), is (are) not a hazardous waste as	defined by 40 CFR Part 261 or any a	applicable state law. That each waste	has been properly described	d, classified and
Oll fi	eld wastes generated from oil and gas ex	-	is and are not mixed with non-exemp	t waste (R360 Accepts certifi	ications on a ner
	basis only)			,	
[PRINT] AUTHORIZED AGENTS SIGNATUR					
(FAIRT) ACTRONIZED AGENTS SIGNATUR		DATE	I WATER TO SERVICE THE TOP OF THE PARTY OF T	SIGNATURE	
		TRANSPORTER	Alonzo	Villa	
ransporter's Ryll Truck	(inc) THT	Driver's	(O)4 . 1 a 2 7	Dogwood	
ame ddress	- j - j i	Print Na	me leaves	eguces	
		Phone N			
hone No.		Truck No	COMMENT 1 (A)		
hereby certify that the above named ma	erial(s) was/were picked up at the Geno			cility listed below. A .	7818 ·
			1-13-21	00000 NO	nso vi
TRUCK TIME	STAMP	DISPOSAL FACILIT	DELIVERY DATE	CEIVANC AREA	N /
N: 10-2119WOU		DISFOSAL FACILIT		CEIVING AREA	\mathcal{D}
te Name/			Name/No.		
Red Bluff Facility/ 5	ſF-06S	Phone N	0. 432-448-4239		
ddress 5053 US Highway 285,					
NORM READINGS TAKEN? Chloride	(Circle One) VES 1	Conduct	•	ircle one) YES	NO
nemical Analysis (Mg/I)		(mmhc	.s/cm)		pH
Feet	Inches	TANK BOTTOMS			
t Gauge			BS&W/BBLS Received	85&W (%)	
nd Gauge			Free Water		
eceived			Total Received		
I hepoby certify that the above load ma	terial has been (circle one): ACC	PTED DENIED If den	ied, why?	0	
MANUA MANUALI	Oto 1-1301	RO	MNaw	(hpt)	
NAME (PRINT)	DAIL	TITLE	101.0.000	SIGNATURE	

		CHEV						
		MCl Carlsba	•					
NO #	CAR- NON-HAZARI	OOUS WASTE I	MANIFEST	1. PAG	E_ ¹ _OF_	i 2. TRAIL	ER NO.	, ₂ 5
_	3. COMPANY NAME	4. ADDRESS	CDEENIC	+	5. P	ICK-UP DATI	 Е ,	7 70 00
G	CHEVRON CARLSBAD PHONE NO.	CITY S	. GREENE S	Z	IP 6.			
E	575-887-5676 7. NAME OR DESCRIPTION OF WASTE SHIP.		AD, NM 882	20 8. CONTA	AINERS	9. TOTAL	IO. UNIT	Iu.
	7. NAME OR DESCRIPTION OF WASTE SHIP	red.		No.	Туре	QUANTITY		
N	a Contaminated Dut				F - E	7:,		(
E	b. Granitas into the							
~	d. API 300 /5	438920001	*					
R	***	G.				13. WASTE F	POEII E 1	<u> </u>
	12. COMMENTS OR SPECIAL INSTRUCTION	5:				is. Waster	KOPILLI	40 .
A	14. IN CASE O	F EMERGENCY (OR SPILL, CO	NTACT				
T	CHEVRON CARLSBAD					24-HOUR	EMERGE -887-5	
	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this co	onsignmer	it are fully			
O								
R	PRINTED TYPED NAME		SIGNATURE					DATE
	ETIL Saiz ESPG	***	سير المستعاني.			7156		
T R	16. TRANSPORTER (1)		17. NAME	TRA	ANSPOI	RTER (2)		
A N								
S	IN CASE OF EMERGENCY CONTACT:		IN CASE OF EMERGENCY CONTACT:					
P O	EMERGENCY PHONE: 432 - 272 - 767	dia.	EMERGENCY PHONE:					
R T	18. TRANSPORTER (1): Acknowledgment o		19. TRANSPORTER (2): Acknowledgment of receipt of material					
E	PRINTED/TYPED NAME	1 77 /2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PRINTED/TY	PED NAM	IE			
R S	SIGNATURE 11 11 11 11 11 11 11 11 11 11 11 11 11	DATE OF ATT	SIGNATURE		-		DATE	
	R360	ADDRESS: tal Solution		3.		PHONE		
D F I A	110	5053 US Highway						
S C	PERMIT NO.	Oria, TX 79770 432-4	20.4230 MENT	rs				
PI		- H				<u> </u>		
S I A T	21. DISPOSAL FACILITY'S CERTIFICATION facility is authorized and permitted to receive such		fy that the above	described	wastes w	ere delivered	to this faci	lity, that the
LY	AUTHORIZED SIGNATURE		CELL NO.		DATE	13.21	TIN	
Maria Navarret							. [0:20A

GENERATOR: COPY 1

TRANSPORTER: COPY 2



Customer: CHEVRON MIDCONTINENT LP

RBF1920

Customer #: RBF1920 Ordered by: ERIK SAIZ

AFE #:

PO #: Manifest #:

216174 1/13/2021

JHT LLC

Manif. Date: Hauler: Driver

ROBERT 50

Truck # Card # Job Ref # ID -

740-259563

43892

Ticket #: Bid #:

O6UJ9A000GPB

Date: Generator:

1/13/2021 Chevron

Generator #:

Well Ser. #:

Well Name:

GRAVITAS 2 STATE SWD

Well #:

Field:

Field #:

Rig:

NON-DRILLING EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell pH C2 0.00 0.00

0.00

%Solids N/A TDS

PCI/GM

MR/HR 7.00 H2S

% Oil Weight

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:
--------------	-------

0			8			
R369	Т	EXAS NON-HAZARDOUS OII (PLEASE F		MANIFEST QUIRED INFORMATION?	* Name	Contact Informati
aminosa 🗸			THE RESERVE OF THE PERSON NAMED IN	and the second	Phone No.	
		GENER	ATOR	NO.	21	16174
Operator No.			Permit/RRC i Lease/Well	No		
Operators Name	sept thete	****	Name & No.	XX OFF	al hat	$\overline{}$
Address	- Aharran		County	grant	as dwp	0
	CHERIOI		API No.	500154	389 2000	21
City, State, Zip			Rig Name & I	No.		<u></u>
Phone No.			AFE/PO No.			
Oil Based Muds	The second secon	Identification and Amount (pla	ice volume next	THE RESERVE OF THE PARTY OF THE		
Oil Based Cuttings		TABLE WATERS ater (Non-Injectable)		DIHER EXEMPT WASTES	trype and generation process	of the Wastel
Water Based Muds Water Based Cuttings		Fluid/Flow back (Non-Injectable)		=		
Produced Formation Solids		/ater (Non-Injectable) ine Water/Waste (Non-Injectable)	_			
Tank Bottoms E&P Contaminated Soil	INTERNALU	SE ONLY		Bolly		
Gas Plant Waste	Truck wash	out (exempt waste)				
WASTE GENERATION PROCES	SS: DRILLING	COMPLET	ION	PRODUCTION	GATHERING	LINES
		NON-EXEMPT E&P Waste/Service	e Identification and	Amount		
Non-Exempt Other	I non-exempt E&P waste must be	analysed and be below the thresho		ct from Non-Exempt Waste Lis		
			picase sele	Controll Mon-Exempt woste En	T CONTROL III	
QUANTITY		B - BARRELS		Y-YAF		E - EACH
I hereby certify that the above list	ed material(s), is (are) not a hazar	dous waste as defined by 40 CFR Pa	rt 261 or any appli	able state law. That each wast	e has been properly desc	ribed, classified and
packaged, and is in proper conditi	on for transportation according to			d (t t t t		
RCRA EXEMPT:	load basis only)	oil and gas exploration and produc	tion operations and	a are not mixed with non-exem	pt waste (K360 Accepts c	ernncanons on a per
RCRA NON-EXEMPT:	Oil field waste which is non-haz	rardous that does not exceed the m	inimum standards I	for waste hazardous by charact	eristics established in RCF	RA regulations, 40 CFF
		ous waste as defined by 40 CFR, pa	rt 261, subpart D, a	s amended. The following docu	mentation demonstrating	g the waste as non-
Г	MSDS Information	he appropriate items as provided) RCRA Hazardous Waste Analy	reic	Other (Provide Description	an Ralaud	
	_ (1122) (110(11010))	THE THE HOLD WEST CHANGE	313	Other (Fronde Description	iii below)	
(PRINT) AUTHORIZED AGENTS	SIGNATURE		DATE		SIGNATURE	
	1	TRANSPO	ORTER	UUR .		
Transporter's M	P 10 / 14	-	Driver's Nam	010	17	
Name O	2 /01 ()1)			X Hobert	Luelo	
Address			Print Name			
Phone No.			Phone No.	~1 (=0		
			Truck No.	X 50		
Thereby certily that the above har	ned material(s) was/were picked t	up at the Generator's site listed abo	ve and delivered w	ithout incident to the disposal f	acility listed below.	1/1
SHIPMENT DATE	DRIVER'S SIGNA	TURE	X-	DELIVERY DATE	DRIVER'S SIGNAT	TURE
TRUCKT	IME STAMP	DISPOSALI	FACILITY	RE	ECEIVING AREA	1 4
IN: 10:20AV	but:		NELECCIONES EN	Name/No		\mathcal{D}_{ℓ}
Site Name/			21			
Permit No. Red Bluff Fac Address 5053 US Highway			Phone No.	432-448-4239		
3033 G3 TIIBIIWI	ay 285, Orla, TX 79770					
NORM READINGS Chloride	TAKEN? (Circle One) YES	→ NO	If YES, was r Conductivity	eading > 50 micro roentgens? ((circle one) YES	NO
Chemical Analysis (Mg/I)			(mmhos/cn	1)		pH
		TANK BO	TTOMS			
1st Gauge	Feet	Inches		BS&W/BBLS Received		
*** ANDE				PDRIAN DDFD VGCGIAGO	BS&W (%)	/

2nd Gauge Received

eAby certify that the above load material happen (circle one): 3-200

DENIED If denied, why?

MNAvaire

White - ORIGINAL

DATE

Blue - TRANSPORTER

Yellow - GENERATOR

Free Water

Total Received

Version 1

NAME (FROMT)

		CHEV						
		MC:	BU				0117-5	
		Carlsba	d, NM					
) #(CAR- NON-HAZARI	DOUS WASTE	MANIFEST	1. PA	GE 🚣 OF.	2. TRAIL	ER NO.	
	3. COMPANY NAME	4. ADDRESS	E COECNE C	-	5. P	ICK-UP DAT	E	
G	CHEVRON CARLSBAD PHONE NO.		E. GREENE S STATE	1.	Z1P 6.			
	575-887-5676		BAD, NM 882	220				
€ .	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:			TAINERS	9. TOTAL	10. UNIT	11.
_				No.	Туре	QUANTITY	W 1/V01.	
1	"Containmented Dirt				77	1.0 vol. 1.		
j	b. Gravitar Soud AZ							
C	C API DODIEH BRIC	dienny (
	d.							
2	12. COMMENTS OR SPECIAL INSTRUCTION	IS:			L	13. WASTE	PROFILE	NO.
	12. 00							
7	IN CASE O	F EMERGENCY	OD SDILL CO	ONTAC				
	14. IN CASE O	JF ENIERGENC I	OR SPILL, CO	JNIA	-	24-HOUR	EMERGE	NCY NO.
	CHEVRON CARLSBAD					575	-887-5	676
	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignm	ent are ful	ly and accurate	ely describ	ed above.
)								
	PRINTED TYPED NAME		SIGNATURE					DATE
\$	Er.KSdiz ESPG		5		1			
[16. TRANSPORTER (1)	· · · · · · · · · · · · · · · · · · ·	17.	TI	ŔANSPO	RTER (2)		
2	NAME ROOM () HT		NAME					
1	0,,							
	IN CASE OF EMERGENCY CONTACT:	7 ja š	IN CASE OF E	EMERG	ENCY CO	NTACT:		
•	EMERGENCY PHONE: 432 - 2102 - 7		EMERGENCY	PHON	E:			
2	18. TRANSPORTER (I): Acknowledgment		19. TRANSF	ORTE	R (2); Acl	cnowledgment	of receipt	of material
r	character and	1	PRINTED/TY					
	PRINTED/TYPED NAME	15.0	PRINTED/TY	PED NA	.ME			
3	SIGNATURE	DATE	SIGNATURE				DATE	
		ADDRESS:	H360 Environm	nental S	olutions -	Red Blatte		
F			5053	US Hig	hway 285	:		
A		L	20. COMMEN	9770	432-448-4	1239		
C	PERMIT NO.		ZU. COMINIBA	- Universal				
L							×	
I T	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		rtify that the above	describ	ed wastes	were delivered	to this fac	ility, that the
Ÿ	AUTHORIZED SIGNATURE	ii wasigs.	CELL NO.		DATE		TIN	ИE
	Maria Navarrota					3.21	. 5	0.294
	IN TOUR OF TANKING CA				1 1-1	001		UNU

GENERATOR: COPY 1

TRANSPORTER: COPY 2



Customer: Customer #:

RBF1920 **ERIK SAIZ**

Ordered by:

AFE #: PO #: Manifest #:

216166 Manif. Date: 1/13/2021

171

JHT LLC

OSBALDO

Hauler: Driver

Truck # Card # Job Ref#

CHEVRON MIDCONTINENT LP

Ticket #: 740-259568 Bid #: O6UJ9A000GPB

Date: Generator:

1/13/2021 Chevron

Generator #:

Well Ser. #: 43892

Well Name: **GRAVITAS 2 STATE SWD**

Well #:

Field:

Field #:

Rig:

County

NON-DRILLING EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell pН 0.00 C2

CI Cond. 0.00 0.00 %Solids N/A

TDS

PCI/GM

MR/HR 7.00

H2S

% Oil Weight

N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved	Ry
Approved	Dy.

Date:

	α
P.3	60
HIPPOTONIA	To the
tentace;	

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION* Name_

Company	Man	Contact	Information
---------	-----	---------	-------------

testicis			Phone N	0,
	GENE	RATOR	NO.	216166
Operator No.		Permit/RRC No. Lease/Well		
Operators Name (Nevro	21	Name & No.	Gravetoo 3	S# 900
Address		County	30015 A	3/99/
City State Tim	15	API No.	2001,201	70,15
City, State, Zip Phone No.		Rig Name & No.		
		AFE/PO No.		
Oil Based Muds	Waste/Service Identification and Amount Loop July TABLE WATERS	The second secon	HE Type in barrels or cubic yards) THER EXEMPT WAS IES Type and	
Oll Based Cuttings	Washout Water (Non-Injectable)		THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTION ADDRESS OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS	SHOULD SEE HOURS AND SEE
Water Based Muds Water Based Cuttings	 Completion Fluid/Flow back (Non-Injectable) Produced Water (Non-Injectable) 	e)	S	i
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectab	ie)	1-201	(
Tank Bottoms E&P Contaminated Soil	Truck Washout (exempt waste)		M30 /	(h
Gas Plant Waste				
WASTE GENERATION PROCESS:	DRILLING COMP	PLETION P	PRODUCTION G	ATHERING LINES
All non-exempt E	NON-EXEMPT E&P Waste/Se &P waste must be analysed and be below the three	rvice (deablication and Amoun		
Non-Exempt Other			Non-Exempt Waste List on back	Marie Control of the
QUANTITY	B · BARRELS		Y-YARDS PO	E - EACH
hereby certify that the above listed material(s), is	(are) not a hazardous waste as defined by 40 CF	R Part 261 or any applicable st-		operly described, classified and
packaged, and is in proper condition for transport:				
RCRA EXEMPT: Oil field waste load basis onl	es generated from oil and gas exploration and pro (v)	iduction operations and are no	ot mixed with non-exempt waste (R36	O Accepts certifications on a per
RCRA NON-EXEMPT: Oil field waste	e which is non-hazardous that does not exceed th	e minimum standards for was	te hazardous by characteristics establi	ished in RCRA regulations, 40 CFR
261,21-261.2	4, or listed hazardous waste as defined by 40 CFR	, part 261, subpart D, as ameni	ded. The following documentation de	monstrating the waste as non-
MSDS Information	attached. (Check the appropriate items as provide ation RCRA Hazardous Waste A			
Mass month	THOM THE ZUIT GOOD WAS LE A	nalysis U	Other (Provide Description Below)	
VILW attaching	ent			
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE	SIGNATU	RE
	TRANS	PORTER		THE RESERVE THE RE
Fransporter's	IKANS			\circ
vortice		Driver's Name	01/20/20	6'-
Address		Print Name	- 5 SW	
Dhou a Na		Phone Na.	A = 4 \	
Phone No.		Truck No.	7+1	
hereby certify that the above named material(s) v	vas/were picked up at the Generator's site listed	above and delivered without it	ncident to the disposal facility listed b	elow,
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY C	DATE	RIVER'S SIGNATURE
TRUCK TIME STAN	P DISPOSA	L FACILITY	RECEIVING	
N: 11. OON OUT:	5151 5571	LIACILII	Name/No.	JANLA 13
ite Name/	.,	L	ivame/ivo.	
Permit No. Red Bluff Facility/ STF-065		Phone No.	32-448-4239	
ddress 5053 US Highway 285, Orla, TX	79770	***************************************		
NORM READINGS TAKEN? (Circle O	ne) Yes No		> 50 micro roentgens? (circle one)	YES -NO
Chloride Chemical Analysis [Mg/I]		Canductivity (mmhos/cm)		pH
	TANKBO	OTTOMS	West Committee of the C	
st Gauge Feet	Inches			
nd Gauge		BS&W,	/BBLS Received Free Water	BS&W (%)
eceived			Total Received	
I her bacertify that the above load material has	Shape Leiscle and Lessensen are	WED 162 1 1 1 2		
HIMMI Ningimato	1.12.91	VIED If denied, why?	MVavamete	
NAME (PRINT)	DATE	TITLE	ANTIAMONALAM	ır
			JIGNATUR	· w

		CHEV MCI						
	**************************************	Carlsba						
ио #	CAR- NON-HAZARI	DOUS WASTE	MANIFEST	Γ I. PAG	E <u></u> OF	2. TRAIL	ER NO.	1,1,
	3. COMPANY NAME CHEVRON CARLSBAD	4. ADDRESS	. GREENE S		5. P	ICK-UP DAT	E,	
G	PHONE NO.		STATE		LIP 6,			-2.11
E	575-887-5676		AD, NM 882					
_	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:		8. CONT No.	AINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
N	a. Contaminated Dort				7.7	2014		
	b. Gravitas Sud #2		1.5					
E	· API 300/54589 Z	o o o l						
n	d.							
R	12. COMMENTS OR SPECIAL INSTRUCTION	IS:		·1		13. WASTE I	PROFILE	NO.
A								
	14. IN CASE O	F EMERGENCY (OR SPILL, C	ONTAC'	Г			
T	CHEVRON CARLSBAD						EMERGI -887-5	ENCY NO. 676
	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this c	onsignme	nt are full			
0								
R	PRINTED TYPED NAME		SIGNATURE					DATE
K	Erik Sanz ESPG		Jan March	-3				
T	16. TRANSPORTER (1)		17.	TR	ANSPO	RTER (2)		
R A	NAME FOM JHT		NAME					
N S	IN CASE OF EMERGENCY CONTACT: 1/6	A & JACKSON	IN CASE OF I	MERGE	VCV CON	ЛТА <i>С</i> Т∙		
P	EMERGENCY PHONE: 432 - 2/2 - 7/		EMERGENCY			viiici,		
O R	18. TRANSPORTER (1): Acknowledgment o		19. TRANSF			nowledgment	of receipt	of material
T E	PRINTED/TYPED NAME	ي الله المسرك	PRINTED/TY	PED NAM	Œ			
R S	PRINTED/TYPED NAME PRINTED/TYPED NAME SIGNATURE DATE							
		ADDRECC	Environmental S	olutions	- Red Bli	PHONE:		
D F		11000 2	5053 US Hig					
I A S C P I	PERMIT NO.	0	20 COMMEN					
D L S I A T	21. DISPOSAL FACILITY'S CERTIFICA facility is authorized and permitted to receive such		ify that the above	described	wastes w	vere delivered	to this fac	ility, that the
LY	AUTHORIZED SIGNATURE		CELL NO.		DATE		TIN	
	Woma Navarnote				1-1:	3-2021	1	1:29 A

GENERATOR: COPY I

TRANSPORTER: COPY 2



CHEVRON MIDCONTINENT LP Customer:

RBF1920

216172

1/13/2021

JHT LLC

ROMEL

176

ERIK SAIZ

Ticket #:

740-259569

Customer #: Ordered by:

AFE #:

PO #:

Hauler:

Driver

Truck #

Card #

Job Ref#

Manifest #:

Manif. Date:

Bid #: Date:

O6UJ9A000GPB

1/13/2021 Chevron

Generator: Generator #:

43892

Well Ser. #:

Well Name: Well #:

GRAVITAS 2 STATE SWD

Field: Field #:

County

Rig:

NON-DRILLING EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

H2S

Lab Analysis:

Cell рΗ CI C2 0.00 0.00 %Solids N/A

TDS

PCI/GM

MR/HR 7.00

% Oil Weight

N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Date:	
--------------------	--

Cond.

0.00

		1	7
R	13	6	n
Asing	OPSTAL		42

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

IFEST	Company Man Contact Informati
TED INFORMATIONS	Manager

Total Control Control					Phone No	
Operator No. Chevron	Carls bad	GENER	ATOR Permit/RRC No.	NO,	21	L6172
Operators Name		1.00	Lease/Well Name & No.	Gravitas	SWD #2	
Address			County		38920001	
City, State, Zip		T	API No. Rig Name & No.	300 13 4.	10001	
Phone No.			AFE/PO No.			
Oil Based Muds	&P Waste/Service Identific	AND RESIDENCE AND ADDRESS OF THE PARTY OF TH	And in column 2 is not a second of the last of the las	te type in barrels or co	THE RESERVE OF THE PARTY OF THE	of the ways
Oil Based Cuttings Water Based Muds	Washout Water (Non-	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN		Printed and the second second	STATE OF THE PROPERTY OF THE PARTY OF THE PA	di dieweste.
Water Based Cuttings Produced Formation Solids	Produced Water (Non					
Tank Bottoms E&P Contaminated Soil	INTERNAL USE ONLY					
Gas Plant Waste	Truck Washout (exem	pt waste)				
WASTE GENERATION PROCESS:	DRILLING	COMPLE	TION	PRODUCTION	GATHERING	LINES
All non-exem Non-Exempt Other	NON-E) of E&P waste must be analysed			, ignitability, Corrosivity		
			*please select from	n Non-Exempt Waste List		
QUANTITY I hereby certify that the above listed material(BARRELS		Y - YARI	20	E - EACH
261.21-26	vaste which is non-hazardous th 51.24, or listed hazardous waste s is attached, (Check the approp	as defined by 40 CFR, p	oart 261, subpart D, as amen		nentation demonstrating	
(PRINT) AUTHORIZED AGENTS SIGNATURE			DATE		SIGNATURE	
	[8]	TRANSP			SOLOTORE	
Transporter's RyMTrucking	g JHT		Driver's Name	Romel	Delgado	
Address			Print Name Phone No.			
Phone No.			Truck No.	176		
I hereby certify that the above named materia	(s) was/were picked up at the 0	Senerator's site listed ab	oove and delivered without i	incident to the disposal fa	icility listed below.	
SHIPMENT DATE	DHIVER'S SIGNATURE	BIADAGA	DELIVERY	DATE	DRIVER'S SIGNATI	
IN: NUST	AMP	DISPOSAL	FACILITY	RE Name/No.	CEIVING AREA	T3
Site Name/ Permit No. Red Bluff Facility/ STF-0			Phone No.	32-448-4239		
Address 5053 US Highway 285, Orla, NORM READINGS TAKEN? (Circ		NO a	If VES, was reading	> 50 micro roentgens? (c	ircle one) YES	TVU
Chloride Chemical Analysis (Mg/l)	TES TES		Conductivity (mmhos/cm)	2 30 miero roemgensi (e	True one) 123	рН
		TANK BO	TTOMS			
Feet 1st Gauge	Inches		B5&V	V/BBLS Received	BS&W (%)	
2nd Gauge Received				Free Water Total Received		
I hereb) rerully that the above load mater	Lhas been (circle over)	ACCEPTED DENIE	FD (Edonied who?)			
Many and	Pas deeli (circle Site): 13-2	20	If denied, why?	MUNUC	mel S GNATURE	
and the second	SAIL		******		5 61,541 6116	

		CHEV			***			
		MCI Carlsba						
NO #	CAR- () (A	DOUS WASTE	MANIFEST	I. PAG	E OF	2. TRAIL	ER NO.	1.75
G						.,		
E	PHONE NO. CITY STATE ZIP 6.							r.,
N	7. NAME OR DESCRIPTION OF WASTE SHIP			No.	Туре	9. TOTAL QUANTITY	IO. UNIT WT/Vol.	Haz.
	b. Gravillas Sud #2					* * / j		
E	6. API 500 154389 ZC	20 /						
R	12. COMMENTS OR SPECIAL INSTRUCTION	S:				3. WASTE F	PROFILE I	NO.
A	14. IN CASE C	F EMERGENCY (OR SPILL, CO	NTACT	<u> </u>			
T	24-HOUR EMERGENCY NO. CHEVRON CARLSBAD 575-887-5676							
o	15. GENERATOR'S CERTIFICATION:	Hereby declare that the	contents of this con	nsignmer	it are fully	and accurate	ly describe	ed above.
R	PRINTED TYPED NAME SIGNATURE DATE					DATE		
T R A N S	In Case of Emergency Contact:	17. TRANSPORTER (2) NAME IN CASE OF EMERGENCY CONTACT:						
P O	EMERGENCY PHONE:	EMERGENCY PHONE:						
R T E	18. TRANSPORTER (1): Acknowledgment of PRINTED/TYPED NAME	19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME						
R S	signature <u>RDC</u>	DATE ()[-1/-2]	SIGNATURE _				DATE	
D F I A S C P I O L	A355 Easisonmental Solutions - Red Bluff 5053 US Highway 285							
	PERMIT NO.	Orla, TX 79770	488-4484¥88913	\$				
S I A T		21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
LY	AUTHORIZED SIGNATURE MAY I'M NAVANOLO		CELL NO.		DATE	>U.	TIM	15 41 AY

GENERATOR: COPY I

TRANSPORTER: COPY 2



Customer:

Customer #: Ordered by:

AFE #:

PO #: Manifest #:

Manif. Date:

Hauler: Driver

Truck # Card #

CHEVRON MIDCONTINENT LP

RBF1920 ERIK SAIZ

216173 1/13/2021

JHT LLC **ALONZO** 160

Job Ref#

Ticket #:

740-259570

Bid #: Date: O6UJ9A000GPB 1/13/2021 Chevron

Generator:

Generator #:

Well Ser. #: 43892

Well Name:

GRAVITAS 2 STATE SWD

Well #:

Field:

Field #: Rig:

NON-DRILLING

County

EDDY (NM)

H2S

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell pН CI Cond. C2 0.00 0.00 0.00

%Solids N/A

TDS

PCI/GM

MR/HR 7.00

% Oil N/A

Weight

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: ____

		1	1
100	7	de	ത
ll'1		Ψ.	40
O COME	SMERTE:		

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

PLEASE PRINT)	*REQUIRED	INFORMATION*

Company Man Contact Information

Aldensies C		(PLEASE	PRINT) *REQUI		Name Phone No.	
		GENE	RATOR	NO.	2161	7 3
Operator No.	7.7.1		Permit/RRC No. Lease/Well	-		1 5
Operators Name Chevion Ca	115 bad		Name & No.	Gravitas	SWD #2	
Address			County API No.	300 15 43	89 20001	
City, State, Zip			Rig Name & No.	500 15	0.75	
Phone No.			AFE/PO No.	7		
Oil Based Muds	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		lace volume next to w	aste type in barrels or cubi		4.100
Oil Based Cuttings	Washout Water (Non-	Injectable)		DITHER EXEMPT WASTES (typ	e and penerution process of the waste	
Water Based Muds Water Based Cuttings	Completion Fluid/Flow Produced Water (Non	v back (Non-Injectable) -Injectable)				
Produced Formation Solids Tank Bottoms	Gathering Line Water/ INTERNAL USE ONLY	Waste (Non-Injectable				
E&P Contaminated Soil Gas Plant Waste	Truck Washout (exem	pt waste)				
WASTE GENERATION PROCESS:	DRILLING	COMPL	ETION	PRODUCTION	GATHERING LINES	
	NON-EX	EMPT E&P Waste/Serv	ice (dentification and Amo	unt		ATTEN
All non-exempt E&F	waste must be analysed	and be below the three		P), ignifiability, Corrasivity and om Non-Exempt Waste List of		
QUANTITY	2.5	ABBEIG	piedae sereet yra			
hereby certify that the above listed material(s), is (a		ARRELS	Part 361 or nou applicable	Y - YARDS	20 E - EAC	
packaged, and is in proper condition for transportation			rait 201 of any applicable	arate tow. That each waste (f	is been properly described, classi	nea ana
RCRA EXEMPT: Oil field wastes load basis only)	generated from oil and ga	as exploration and proc	uction operations and are	not mixed with non-exempt w	aste (R360 Accepts certifications	on a per
	vhich is non-hazardous th	at does not exceed the	minimum standards for w	aste hazardous by chacacterist	tics established in RCRA regulatio	one 40 CEI
261.21-261.24,	or listed hazardous waste	as defined by 40 CFR,	part 261, subpart D, as ame	ended. The following documer	ntation demonstrating the waste	as non-
	ached. (Check the approp					
MSDS Informati	on RCR/	A Hazardous Waste An	alysis	Other (Provide Description B	elow)	
·						
(PRINT) AUTHORIZED AGENTS SIGNATURE			DATE		SIGNATURE	
	77.5	TRANSF	ORTER	Alonto	Villa	
ransporter's RyMTricking	THT		Driver's Name	Browner De	dan	
ddress	5 1.1		Print Name	- divinos ore	7	
			Phone No.			
hone No.			Truck No.	160		
hereby certify that the above named material(s) wa	s/were picked up at the G	ienerator's site listed a			ty listed below.	
SHIPMENT DATE	DRIVER'S SIGNATURE		01-13- DELIVER	IY DATE	DRIVER'S SIGNATURE	
1 O TRUCK TIME STAME		DISPOSAL	FACILITY	REC	EIVING AREA	
N: OUT:				Name/No.		
te Name/ ermit No. Red Bluff Facility/ STF-065			Phone No.	432-448-4239		
ddress 5053 US Highway 285, Orla, TX 79	770	(*)		432-440-4233		
NORM READINGS TAKEN? (Circle One	YES	NO		g > 50 mlcro roentgens? (circl	e one) YES	NO
Chloride hemical Analysis (Mg/I)			Conductivity (mmhos/cm)			рН
		TANK BO	TTOMS		Walling States of the States	
Feet Feet	Inches		neo	M/ODIC Constituted	777	
nd Gauge			836	W/BBLS Received Free Water	BS&W (%)	
eceived				Total Received		
Thereby certify that the above load material has b	een (circle one):	C CEPTED DENI	ED If denied, why?	0.0 h / #	410.010	
I wrig Wavymet	[-]?	501 P	V(MINM	MAU	
MASAU (PRINT)	DATE		TITLE		SIGNATURE	

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEVR								
		MCB Carlsbad						i.u		
NO #C	AR- NON-HAZARDO	US WASTE M	ANIFEST	1. PAG	EOF_	2. TRAIL	ER NO.			
	3. COMPANY NAME 4. ADDRESS			г	5. P	ICK-UP DATI	i			
G	CHEVRON CARLSBAD PHONE NO. CITY STATE CITY CARLSBAD, NM 88220 6.									
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED			8. CONT No.	AINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.		
N	a Constranguated Dert				7.7	1 100				
E	"Gran (as Sult " & " SPI 300187 JET SUL	, <u> </u>								
R	d. 12. COMMENTS OR SPECIAL INSTRUCTIONS:					13. WASTE	PROFILE I	NO.		
A	IN CASE OF EMERGENCY OR SPILL, GONTACT									
T	CHEVRON CARLSBAD 24-HOUR EMERGENCY NO. 575-887-5676 15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.									
0	PRINTED TYPED NAME SIGNATURE DATE							DATE		
R	ET & CO EXPA	ELL CO EXPA			Liter Sun					
T R A	16. TRANSPORTER (1) NAME Uht	17. TRANSPORTER (2) NAME								
N S P	IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:								
O R T	18. TRANSPORTER (1): Acknowledgment of re	19. TRANSPORTER (2): Acknowledgment of receipt of material								
E R	PRINTED/TYPED NAME	DATE A STATE	PRINTED/TYPED NAME							
S	SIGNATURE	ADDRESS: R360 Em	Vironmental Sc	olutions .	Red Blu		E:			
D F I A S C P I	PERMIT NO. One, 120-79770 432-448-4239									
O L S I A T	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.									
LY	AUTHORIZED SIGNATURE MAYIA NIWAMPEL	CELL NO.			13.20	21				

GENERATOR: COPY 1

TRANSPORTER: COPY 2



Customer: Customer #:

Ordered by:

Manifest #:

Manif. Date:

AFE#:

PO #:

Hauler:

Driver

Truck #

Card#

Job Ref#

CHEVRON MIDCONTINENT LP RBF1920

ERIK SAIZ

216175

1/13/2021

JHT LLC

ROBERT

50

Ticket #: Bid #:

740-259571

Chevron

Date:

O6UJ9A000GPB 1/13/2021

Generator:

Generator #:

Well Ser. #: 43892 Well Name: **GRAVITAS 2 STATE SWD**

Well #:

2

Field:

Field #: Rig:

NON-DRILLING

County

EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

MR/HR

% Oil H2S

Weight

Lab Analysis:

Cell рΗ CI Cond. C2 0.00 0.00 0.00

%Solids N/A

TDS

PCI/GM

7.00

N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

REQUIRED INFORMATION

	Compan	y Man	Contact	Informatio	П
N	ame				

ELITONS O			Pho	one No.
Water to the second sec	GEN	ERATOR	NO.	216175
Operator No.		Permit/RRC No. Lease/Well	0	mean lea Suno
Operators Name Address	Erill Sail	Name & No.	10 Sept Court	gravitas SWD/
Chovron		County API No.	300 1547	
City, State, Zip		Rig Name & No.		
Phone No.		AFE/PO No.		
	te/Service Identification and Amoun		e type in barrels or cubic y	
Oil Based Cuttings	Washout Water (Non-Injectable)			at graciation process of memory
Water Based Cuttings	Completion Fluid/Flow back (Non-Injectab Produced Water (Non-Injectable)			
Tank Bottoms	Gathering Line Water/Waste (Non-Injecta NTERNAL USE ONLY	ble)	0011 1	
E&P Contaminated Soil Gas Plant Waste	Truck Washout (exempt waste)		Bully	
WASTE GENERATION PROCESS:	DRILLING COM	PLETION P	RODUCTION [GATHERING LINES
ATTI- ATTI- ATTI- ATTI-	NON-EXEMPT E&P Waste/9	orvice Identification and Amoun		
Non-Exempt Other	ste must be analysed and be below the th		Non-Exempt Waste List on bo	
QUANTITY	D COADSELS			an
	B - BARRELS	TER 0- 4 254	Y - YARDS	E - EACH
hereby certify that the above listed material(s), is (are) packaged, and is in proper condition for transportation a	ccording to applicable regulation.	ER Part 261 or any applicable sta	te law. That each waste has b	icen properly described, classified and
	erated from oil and gas exploration and p	roduction operations and are no	t mixed with non-exempt wast	le (R360 Accepts certifications on a per
load basis only) RCRA NON-EXEMPT: Oil field waste which	h is non-hazardous that does not exceed t	the minimum standards for wast	e hazardous hy characteristics	established in BCRA regulations, 40 CE
261.21-261.24, or lis	sted hazardous waste as defined by 40 CF	R, part 261, subpart D, as amend	ed. The following documentat	ion demonstrating the waste as non-
MSDS Information	ed. (Check the appropriate items as provided.) RCRA Hazardous Waste		thes (Denvide Densinhing Balan	
		······································	ther (Provide Description Belov	w)
[PRINT] AUTHORIZED AGEN'S SIGNATURE		DATE		SIGNATURE
ransporter's	TRANS	SPORTER		
lame Q G-M OH	1	Driver's Name	falet lu	Ø
ddress		Print Name	Robert La	e To
hone No.		Phone No.	-0	
hereby certify that the above named material(s) was/wi	ere picked up at the Generator's site lister	_	cident to the disposal facility (isted holow
		1-17-2 DELIVERYD		The Co
TRIECK TIME STAMP	RIVER'S SIGNATURE	L FACILITY		DRIVER'S SIGNATURE
N: 1 2 20 POTE	DISPUSA	IL FACILITY		VING AREA
ite Name/		L	Name/No.	
ermit No. Red Bluff Facility/ STF-065		Phone No. 43	2-448-4239	
NORM READINGS TAKEN? (Circle One)		IFME I		
Chloride	YES	Conductivity	SO micro roentgens? (circle or	ne) YES NO
hemical Analysis (Mg/I)	TANKE	(mmhos/cm)		pHpH
Feet	Inches	OTTOMS		
st Gauge nd Gauge		B5&W/	BBLS Received	85&W (%)
eceived			Free Water Total Received	
I hereby ce hify that the above load material has beed	(circle anal)	Surp.		
I herebyce hify that the above load material has been	(circle one): ACCEPTED DE	NIED If denied, why?	MMMM	010
NAME (PRINT)	9 1-1201 _F	TITLE	Minnowith	IGNATURE

CHEVRON									
	MCBU								
	Carlsba	d, NM							
NO #	CAR- NON-HAZARDOUS WASTE	MANIFEST	i. PA	GEOF	2. TRAIL	ER NO.	Ī į		
G	PHONE NO. CITY	E. GREENE STATE			PICK-UP DATI	E , } := _2;			
E	575-887-5676 CARLSE 7. NAME OR DESCRIPTION OF WASTE SHIPPED:	3AD, NM 882		TAINERS	9. TOTAL QUANTITY	10. UNIT	11.		
N	a. Continued dirt		110.	; ;	10 44	W I/ VOI.			
E	* APT 200154 389 20001								
R	d. 12. COMMENTS OR SPECIAL INSTRUCTIONS:				13. WASTE P	PROFILE 1	VO.		
A	14. IN CASE OF EMERGENCY	OR SPILL, CO	NTAC	T		**************************************			
T	CHEVRON CARLSBAD					-887-56	576		
o	15. GENERATOR'S CERTIFICATION: Hereby declare that the	contents of this co	nsignme	ent are full	y and accurate	ly describe	ed above.		
R	PRINTED TYPED NAME EV. K. Saiz ESPG	SIGNATURE					DATE		
T R A	16. TRANSPORTER (1) NAME 具分外	17. NAME	∕TR	ANSPO	RTER (2)				
N S P O	IN CASE OF EMERGENCY CONTACT: Trent TACKEN EMERGENCY PHONE: 43-2-212-7662	IN CASE OF EN			NTACT:				
R T E	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME	19. TRANSPO			_	·	f material		
R S	SIGNATURE DATE	SIGNATURE	- Red	ERON		DATE			
) F	ADDRESS: 50	63 US Highway 2	85		PHONE:				
S C P I D L	PERMIT NO.	20. COMMENTS				- 177			
T	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby cert facility is authorized and permitted to receive such wastes.	ify that the above d	escribed	l wastes w	ere delivered to	o this facil	ity, that the		
	AUTHORIZED SIGNATURE NICELIA NICELIANA	CELL NO.		DATE	3-21	TIM	5:31P		

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4



Customer:

RBF1920

JUAN ALVARADO

Ordered by:

215713

05

Manifest #:

AFE #:

PO #:

Customer #:

Manif. Date: 1/18/2021 Hauler: JHT LLC **MIGUEL** Driver

Truck # Card # Job Ref# CHEVRON MIDCONTINENT LP

Ticket #: Bid #:

740-259792 O6UJ9A000GPB Date: 1/18/2021

Generator:

Chevron

Generator #:

Well Ser. #: 43892

Well Name: Well #:

GRAVITAS 2 STATE SWD

Field:

Field #:

Rig: **NON-DRILLING** EDDY (NM) County

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

Cell рΗ 0.00 C2

CI Cond. 0.00 0.00 %Solids N/A

TDS

PCI/GM

MR/HR 8.00

H2S

% Oil

N/A

Weight

Customer Approval

THIS IS NOT AN INVOICE!

Date:

R369	TEXAS	NON-HAZARDOUS OIL (PLEASE P		ANIFEST UIRED INFORMATION		Aan Contact Informati
		GENERA	ATOR	I NO		01 [71 2
Operator No. Operators Name Address Chevys 3150 £	oreans st		Permit/RRC No. Lease/Well Name & No. County	Econitos	SWD	215713
City, State, Zip Phone No. 575	1-5676 NM 6823	<i>xo</i>	API No. Rig Name & No. AFE/PO No.	3001543	851 <i>4</i>	
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Produced Water (No	ATERS n-Injectable) pw back (Non-Injectable) pn-Injectable) pr/Waste (Non-Injectable)	ce volume next to	Waste type in barrels or JOTHER EXEMPT WASTE		oc is at the water
WASTE GENERATION PROCESS:	DRILLING	COMPLET	ION [PRODUCTION	GATHER	RING LINES
All non Non-Exempt Other	NON- exempt E&P waste must be analyse	EXEMPTE&P Waste/Service of and be below the thresho	id limits for toxicity (1	nount GP), ignitability. Corrosivity from Nan-Exempt Waste L	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
QUANTITY	В	BARRELS		Y - YA	RDS	E - EACH
26) haz	field waste which is non-hazardous .21-261.24, or listed hazardous was ardous is attached. (Check the appr DS information RO	te as defined by 40 CFR, par	t 261, subpart D, as a	waste hazardous by charac mended. The following doc Other (Provide Descripti	umentation demonstr	RCRA regulations, 40 CFI ating the waste as non-
(PRINT) AUTHORIZED AGENTS SIGNATI	IRE	TDANISDO	DATE		SIGNATURE	
Transporter's R-M Ty Address 1311 5 14	neking 07	TRANSPO	Driver's Name Print Name Phone No.	Miguel.	P2182	
Phone No. 575 354. Thereby certify that the above named model is supplied to the state of the s	D-21163 ORIVER'S SIGNATURE	e Generator's site listed abo	Truck No. ve and delivered with	out incident to the disposal	facility listed below.	Ray/
IN: 13 TRUCK TIME	STAMP T:	DISPOSAL	ACILITY	R Name/No	ECEIVING AR	EA T3
Site Name/ Permit No. Red Bluff Facility/		<u>></u>	Phone No.	432-448-4239		
Address 5053 US Highway 285 NORM READINGS TAKEN Chloride Chemical Analysis (Mg/I)		NO	If YES, was rea Conductivity (mmhos/cm)_	ding > 50 micro roentgens?	(circle one) YE	s (NO)
Feet	Inches	TANK BO	TOMS			
1st Gauge 2nd Gauge Received	merc.		В	S&W/BBLS Received Free Water Total Received	BS&V	V (%)

White - ORIGINAL

Blue - TRANSPORTER

DENIED

If denied, why?

Yellow - GENERATOR

MGNATURE

Total Received

Version 1

	CHEV	RON		-				
	MCBU							
	Carlsbad, NM							
NO #	CAR- da NON-HAZARDOUS WASTE	MANIFEST	I, PA	ge_L.of	1_ 2 TRAII	ER NO.		
G	3, COMPANY NAME CHEVRON CARLSBAD PHONE NO. 4, ADDRESS 3150 E. GREENE ST. CITY STATE ZIP 6.							
E	575-887-5676 CARLSB, 7, NAME OR DESCRIPTION OF WASTE SHIPPED:	AD, NM 882		TAINERS Type	9, TOTAL QUANTITY	10 UNIT WT/Vol.	11.	
N	" Contamnated Dirt		1	Dump trick	20105			
E	b Gravitas SW D BPI - 30015438517							
R	d.				13. WASTE	PACIEG E N		
A	12. COMMENTS OR SPECIAL INSTRUCTIONS:				13 44/52101	-KOPTEL I		
	14. IN CASE OF EMERGENCY C	OR SPILL, CO	NTA	or	24-FIOL ⁷ R	EMERGE	NCY NO.	
T	CHEVRON CARLSBAD				575	-887-56	576	
0	15. GENERATOR'S CERTIFICATION: Hereby declare that the	contents of this c	ហានខ្មេតព	ient are ful	ly and accurate	ely describe	d above	
R	PRINTED TYPED NAME ALVARAJO	SIGNATURE	1	16	_do		DATE 18/2021	
T R A	16. TRANSPORTER (1) NAME RM TIVEKINS	17. NAME	.1,	RANSPO	RTER (2)			
N S	IN CASE OF EMERGENCY CONTACT (575) 631-6278	IN CASE OF E	MERG	ENCY CO	NTACT			
P	EMERGENCY PHONE:	EMERGENCY						
R	18, TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSP	ORTE	R (2): Ac	knowledgment	of receipt (of material	
E R	PRINTED/TYPED NAME	PRINTED/TYI						
S	SIGNATURE AND GOOD DATE OF A SECRETARIS IN COMMENTAL S	SIGNATURE			PHONE			
DF	5053 US Hig							
I A S C P I O L		30 44M4388	rs		E			
S I A T	21. DISPOSAL FACILITY'S CERTIFICATION: 1 Hereby cort facility is authorized and permitted to receive such wastes.	I fy that the above	desemb	ed wastes	were defivered	to this faci	lity, that the	
LY	AUTHORIZED SIGNATURE	CELL NO.		DATE	ly . N	TIM	16	

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY I

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4



Customer: Customer #:

RBF1920 Ordered by:

AFE #: PO #:

Driver

Manifest #: Manif. Date:

216312

Truck # Card # Job Ref# CHEVRON MIDCONTINENT LP

DON COX

1/18/2021 **FURY LOGISTICS**

ANDREW

05

Ticket #:

740-259800

Bid #: Date:

O6UJ9A000GPB 1/18/2021

Generator:

Chevron

Generator #:

Well Ser. #: 43892 **GRAVITAS 2 STATE SWD**

Well Name: Well #:

Field: Field #:

Rig: County

NON-DRILLING

EDDY (NM)

Facility: Red Bluff

Product / Service Water-Based Mud Quantity Units 100.00 bbl

Lab Analysis:

Customer Approval

Cell pH 0.00

CI 0.00

Cond. 0.00

%Solids N/A

TDS

PCI/GM N/A

MR/HR

H2S

% Oil Weight N/A

THIS IS NOT AN INVOICE!

Approved By:	Date:	

R36p		TEXAS NO	N-HAZARDOUS OILF (PLEASE PR		IRED INFORMATION* Na	Company Man Contact Informa me _ flow } none No. (
		Man	GENERA	TOR	I NO.	70.
Operator No.	Cheuron		- Listery	Permit/RRC No.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	216312
				Lease/Well	Cicada Unit 35H	
Operators Name				Name & No.	Plant Code: UWT	Co. Code: 0064
Address				County	API: 30-015-46344	WBS: UWDDB-D 76-DRL
				API No.	Approver: Jennife	r Crawford (KOIM)
City, State, Zip	(1-1)	50.5		Rig Name & No.	Emergency Contac	t: 432-848-8380
Phone No.	(43d) 848.	- 8281		AFE/PO No.	- 40146	120 819
	EXEMPT E&P V	Vaste/Service Identifica	tion and Amount (place	volume next to w	vaste type in barrels or cubic	Attended to the second
Oil Based Muds		NON-INJECTABLE WATE	RS		OTHER EXEMPT WASTES (type of	Control of the Contro
Oil Based Cuttings Water Based Muds	-	Washout Water (Non-li				
Water Based Cuttin		Completion Fluid/Flow Produced Water (Non-I			1	
Produced Formatio	n Solids	Gathering Line Water/V				
Tank Bottoms E&P Contaminated	f all	HATERNAL USE ONLY				
Gas Plant Waste	5011	Truck Washout (exemp	t waste)			
WASTE GENERAT	ION PROCESS:	DRILLING	COMPLETIC	ON 🗍	PRODUCTION	GATHERING LINES
	The second second	NON-EXE	MPT E&P Waste/Service (dontification and Am	ours.	
	All non-exempt £8.0	waste must be analysed a	nd be below the threshold	limits for toxicity (TC	LPY, Ignitability, Corrosivity and Re	activity.
Non-Exempt Other					om Non-Exempt Waste List on b	
QUANTITY	4	0.00	RRELS		V MARRE	S. CACH
/	00				Y - YARDS	E - EACH peen properly described, classified and
RCRA NON-E	261.21-261.24,	or listed hazardous waste a ached. (Check the appropri	s defined by 40 CFR, part	261, subpart D, as am	nended. The following documenta Other (Provide Description Belo	established in RCRA regulations, 40 Cl tion demonstrating the waste as non- w)
Pow [PRINT] AUT	Americo AGENTS SIGNATURE			18/2021	1 St	SIGNATURE
		193	TRANSPO	RTER		
Transporter's	E / .			Driver's Name	11	
Name	ury rog	PITICI			Andrew	Garin
Address	315 Verde	INE		Print Name	7-7/0 - 1 1 1 2 2 2 2	1 1000 2 1000 1000
	ar bbad		-	Phone No.	469-403	-5930
hone No.	575-988-83	593		Truck No.	65	
hereby certify that t	the above named material(s) wa	Mwere picked up at the Ge	nerator's site listed above	and delivered withou	ut incident to the disposal facility	listed below.
1-18-21		(E		1-118-		
SHIPMENT	DATE	DRIVER'S SIGNATURE		DELIVE	ERY DATE	DRIVER'S SIGNATURE
IN: 2.2	RUCK TIME STAME		DISPOSAL F	ACILITY	RECEI Name/No.	VING AREA
ite Name/	ad Bluff English / CTC OCE			Phone No.		
ald	ed Bluff Facility/ STF-065	770		(1000 1101	432-448-4239	
30	53 US Highway 285, Orla, TX 79	/		161170		
	/I READINGS TAKEN? (Circle One loride	YES (NO)	If YES, was readi Conductivity	ing > 50 micro roentgens? (circle o	ine) YES NO
Themical Analysis (N	/lg/l)			(mmhos/cm)		pH
		e lon	TANK BOT	TOMS		
	Feet	Inches				

2nd Gauge Received

BS&W/BBLS Received Free Water

I hereay dertify that the apove load material has been (circle one) ACCEPTED DENIED If denied, why?



Customer: Customer #:

AFE #:

Hauler:

Driver

Truck #

Card #

Job Ref#

PO #:

Ordered by:

Manifest #:

Manif. Date:

CHEVRON MIDCONTINENT LP RBF1920

JUAN ALVARDO

215715

1/18/2021

JHT LLC

MIGUEL

05

ITINENT LP Ticket #: Bid #: 740-259803

Chevron

Bid #: Date: O6UJ9A000GPB 1/18/2021

Generator:

Generator #:

Well Ser. #: 43892

Well Name:

GRAVITAS 2 STATE SWD

Well #:

MR/HR

8.00

Field:

2

Field #:

Rig: County

NON-DRILLING EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Lab Analysis:

 Cell
 pH
 Cl
 Cond.

 C2
 0.00
 0.00
 0.00

%Solids N/A TDS PC

PCI/GM

H2S

% Oil Weight

N/A

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:	

cerved by OCD. 3/1/2021 0.3.						Tuge 22
A	TEXAS	NON-HAZARDOUS OILF	IFLD WASTE MA	ANIFEST	Company Man	Contact Informati
R369		(PLEASE PR		JIRED INFORMATION	Name	
inchines C					Phone No.	
		GENERA	TOR	NO.	2	15715
Operator No.			Permit/RRC No.			TOITO
Operators Name (\Q\1100)			Lease/Well Name & No.	Gravita	CILID .	
Address Chalsha	à		County	C2101110	2-2MD	
3150 F 608	OP St		API No.	3000154	38917	
City, State, Zip NM 39	990,		Rig Name & No.	Acontrast,		
Phone No.			AFE/PO No.			
EXEMPT	E&P Waste/Service Identif	ication and Amount folace	volume next to v	vaste type in barrels or co	bic vards)	
Oil Based Muds	Moltalette and w	ATERS		TOTH CALL PLANTS		with the state
Oil Based Cuttings Water Based Muds	Washout Water (No	in-Injectable) ow back (Non-Injectable)				
Water Based Cuttings	Produced Water (No					
Produced Formation Solids Tank Bottoms	Gathering Line Water	er/Waste (Non-Injectable)				
E&P Contaminated Soil	Truck Washout (exe			-		
Gas Plant Waste						
WASTE GENERATION PROCESS:	DRILLING	COMPLETIO	N L	PRODUCTION	GATHERING	LINES
	NON	EXEMPT ESP Waste/Service In	dentification and Am	ount		
Non-Exempt Other	npt E&P waste must be analyse	stand de below the threshold		rom Non-Exempt Waste List		
			piedse sereet j	TOTAL MONTE CALLED TO THE LESS	DIT DUCK	
QUANTITY	В -	- BARRELS		Y - YARD	s SO	E - EACH
I hereby certify that the above listed materia	l(s), is (are) not a hazardous wa	ste as defined by 40 CFR Part	261 or any applicabl	e state law. That each waste	has been properly desc	ribed, classified and
packaged, and is in proper condition for trans						
RCRA EXEMPT: load bas	wastes generated from oil and is only)	gas exploration and productio	n operations and ar	e nat mixed with non-exempl	: waste (R360 Accepts c	ertifications on a per
RCRA NON-EXEMPT: Oil field	waste which is non-hazardous	that does not exceed the mini	mum standards for s	waste hazardous by character	istics established in RCF	tA regulations, 40 CFF
261.21-2	261.24, or listed hazardous was	te as defined by 40 CFR, part 2	261, subpart D, as an	nended. The following docum	entation demonstrating	the waste as non-
	us is attached. (Check the appro formation	opriate items as provided) :RA Hazardous Waste Analysis		Othor (Benride Description	P-I3	
14323 11	I SC	W Hasardods waste whalfsis	L	Other (Provide Description	Below)	
_						
(PRINT) AUTHORIZED AGENTS SIGNATURE			DATE		SIGNATURE	
		TRANCRO	The second second	P	JISINATURE	
Transporter's		TRANSPO	KIEK			
Name KM Y	King 1H		Driver's Name	Miguel 7	25.97.9	
Address 311 5 14	th St &		Print Name	· · · · · · · · · · · · · · · · · · ·		
HODDS NO	V 329740		Phone No.	5751631-6	279	
Phone No.			Truck No.	DS	. , ,	
I hereby certify that the above named materi	al(s) was/were picked up at the	Generator's site listed above	and delivered witho	out incident to the disposal fa	cility/isted below	>
			1-18-	21	Lund K	911
SHIPMENT DATE	DRIVER'S SIGNATURE			ERY DATE	Whiven's Stanke	and y
O. JRUCKITIME ST	AMP 📗	DISPOSAL FA	ACILITY	RE	CEIVING AREA	172
IN: O. OFF JOUT:				Name/No.		
Site Name/ Permit No. Red Bluff Facility/ STF-	066		Phone No.			
				432-448-4239		
3033 03 (hg/may 203, Offi		410	True :			A
NORM READINGS TAKEN? (Cir Chloride	cle One) (YES	NO	If YES, was read Conductivity	ing > 50 micro roentgens? (ci	rcle one) YES	(NO)
Chemical Analysis (Mg/I)		/	(mmhos/cm)			pH
		TANK DOT	COBBC			

1711111201101110

1st Gauge
2nd Gauge
Received

BS&W/BBLS Received BS&W (%)

Free Water

Total Received

1 hereby certify that the above load material has been (circle one): ACCEPTED

DENIED If denied, why?

MNavameto

Inches

	CHEVRON MCBU							
	Carlsbad, NM							
NO #	CAR- 34 NON-HAZARDOUS WASTE	MANIFES 1	C L PA	GE <u>l</u> OF	TRAIL	ER NO.		
-	3. COMPANY NAME 4. ADDRESS	E. GREENE S	т	5. F	PICK-UP DATI	147.55		
G	PHONE NO. CITY	STATE		ZIP 6	***************************************			
E	575-887-5676 CARLSB	AD, NM 882	111	TAINERS	9. TOTAL	to. UNIT	111.	
			No.	Туре	QUANTITY	W I/Vol.		
N	A CONTRACTOR ALL TOTAL			10.2			ļ	
E	40 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
	6. Apr 300 15477 720001						ļ	
R	12_COMMENTS OR SPECIAL INSTRUCTIONS:			L	13. WASTEP	ROFILE	<u>1</u> NO.	
A								
	14. IN CASE OF EMERGENCY	OR SPILL, C	DAFIN	T	24-HOUR	FAIFRO	ENCY NO.	
T	CHEVRON CARLSBAD				575	-887-5	676	
0	15. GENERATOR'S CERTIFICATION: Hereby deciare that the	contents of this r	ousiann	ent are ful	ly and accurate	ly describ	ed above.	
	PRINTED TYPED NAME	T SIGNATURE					DATE	
R	Juan Alvaraje	E)P	4/2	J.	A ser	ent.	8 % S & S &	
T R	16. TRANSPORTER (1)	17. NAME	4.1	RANSPO	RTER(2)			
A	NAME L'AN TAVEKINS JHT	TATALITY.						
N S	In case of emergency contact: $(275)(31454)5$	IN CASE OF I	EMERG	ENCY CO	NTACT:			
P	EMERGENCY PHONE:	EMERGENCY	MERGENCY PHONE:					
R	18, TRANSPORTER (1): Acknowledgment of receipt of material				knowledgment			
E R	PRINTED/TYPED NAME							
S	SIGNATURE DATE 15	SIGNATURE DATE						
D F	Address: R36	60 Environmenta			Bluff HONE			
I A S C		Driek TIMIZOUM			l			
PIOL	PERMIT NO.	1320.30.71	1-436	14 0*4239				
S I A T	21. DISPOSAL FACILITY'S CERTIFICATION: 1 Hereby cer	tify that the above	describ	ed wastes	were delivered	to this fac	ility, that the	
LY	facility is authorized and permitted to receive such wastes. AUTHORIZED SIGNATURE	CELL NO		DATE		Tro	VII:	
	Colland Character 10th			1-1	4 th	**	30.0	

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4



Customer: Customer #:

AFE #:

Hauler:

Driver

Truck #

Card#

Job Ref#

PO #:

Ordered by:

Manifest #:

Manif. Date:

CHEVRON MIDCONTINENT LP **RBF1920**

ERIK SAIZ

215714

1/18/2021

JHT LLC

MIGUEL

05

Ticket #: Bid #:

740-259805

Chevron

Date:

O6UJ9A000GPB 1/18/2021

Generator:

Generator #: Well Ser. #:

43892

Well Name:

GRAVITAS 2 STATE SWD

Well #:

Field:

Field #:

Rig:

NON-DRILLING

County

EDDY (NM)

Facility: Red Bluff

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

H2S

Lab Analysis:

Cell pΗ C2 0.00

CI Cond. 0.00 0.00

%Solids N/A

TDS

PCI/GM

MR/HR 8.00

% Oil N/A

Weight

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:	Date:	

Permit No.

Address

1st Gauge

2nd Gauge

Received

PLEASE PRINT)	*REQUIRED INFORMATION*	Name

eived by OCD: 3/1/20					Page 229
R36p	TEXA	AS NON-HAZARDOUS OILFIE PLEASE PRIN		RED INFORMATION* N	Company Man Contact Information ame
		GENERAT	OR	NO.	215714
Operator No. Operators Name 3150	V101		Permit/RRC No. Lease/Well Name & No.	Gravitas 30015438	
ity, State, Zip	shod VIV Joan	70	County API No. Rig Name & No.	30015438	12000)
hone No. 3715	75) 58 1.5676		AFE/PO No.		
oil Based Muds oil Based Cuttings Vater Based Muds Vater Based Cuttings roduced Formation Solids ank Bottoms &P Contaminated Soil ias Plant Waste	Completion Fluid Produced Water	E WATERS (Non-Injectable) d/Flow back (Non-Injectable) (Non-Injectable) Vater/Waste (Non-Injectable)			and generation process of the waste)
VASTE GENERATION PROCES	SS: DRILLING	COMPLETION		PRODUCTION	GATHERING LINES
UANTITY	od material(s) is large not a hazzedow	B BARRELS		Y - YARDS	20 years E-EACH
ereby certify that the above liste ckaged, and is in proper condition. RCRA EXEMPT:	on for transportation according to app Oil field wastes generated from oil a	licable regulation.			been properly described, classified and state (R360 Accepts certifications on a per
RCRA NON-EXEMPT:	load basis only) Oil field waste which is non-hazardo 261,21-261,24, or listed hazardous y	us that does not exceed the minimi	um standards for wa	acte bazardous by sharactaristi	
	hazardous is attached. (Check the a	waste as defined by 40 GFR, part 261 opropriate Items as provided) RCRA Hazardous Waste Analysis	1, subpart D, as ame	ended. The following document	es established in RCRA regulations, 40 CFR ation demonstrating the waste as non-
Mewalls (PRINT) AUTHORIZED AGENTS S	MSDS Information	opropriate (tems as provided) RCRA Hazardous Waste Analysis	1, subpart D, as ame	ended. The following document Other (Provide Description Bel	ation demonstrating the waste as non- low)
ansporter's R-M- ldress BDDD one No.	MSDS Information	TRANSPOR	TER Driver's Name Print Name Phone No. Truck No.	Other (Provide Description Bel	ation demonstrating the waste as non-low) SIGNATURE PLIP CLIP CLIP
ansporter's Rime Idress I Bloom one No. ereby certify that the above name I SHIPMENT DATE	MSDS Information	TRANSPOR	TER Driver's Name Print Name Phone No. Truck No. Ind delivered without	Other (Provide Description Bell States of the Comment of the Comme	ation demonstrating the waste as non-low) SIGNATURE PLIP CLIP CLIP

Red Bluff Facility/STF-065

Feet

Phone No. 432-448-4239

5053 US Highway 285, Orla, TX 79770 NORM READINGS TAKEN? (Circle One) YES

If YES, was reading > 50 micro roentgens? (circle one) Conductivity

YES NO pH

Chemical Analysis (Mg/I)

Inches

NO

BS&W/BBLS Received B\$&W (%) Free Water Total Received

DENIED If denied, why?

(mmhas/cm)

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

		CHEV						
		MC Carlsba						
 NO #	CAR- NON-HAZARD	OUS WASTE	MANIFEST	1. PA	GE_2_OF	2. TRAIL	ER NO.	
G	3. COMPANY NAME 4. ADDRESS CHEVRON CARLSBAD 3150 E. GREENE ST.			PICK-UP DATE				
	PHONE NO. CITY STATE ZIP 6. CARLSBAD, NM 88220							
E	7. NAME OR DESCRIPTION OF WASTE SHIPP				TAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
N	a.				1 9	8.4		
E	b			,				
R		0/						
A.	12. COMMENTS OR SPECIAL INSTRUCTIONS	::			-	13. WASTE P	ROFILE I	NO.
A	14. IN CASE O	F EMERGENCY	OR SPILL, CO	NTAC	T			
T	CHEVRON CARLSBAD					24-HOUR 575-	EMERGE -887-50	
o	15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.							
R	PRINTED TYPED NAME	SIGNATURE DATE						
T R A	16. TRANSPORTER (1) NAME (Special)		17. NAME	TR	ANSPOI	RTER (2)		
N S P	IN CASE OF EMERGENCY CONTACT: (7) (7)	IN CASE OF EMERGENCY CONTACT:						
O R T E	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME		PRINTED/TYPED NAME					
R S	SIGNATURE SIGNATURE	SIGNATURE DATE						
		ADDRESS: R360	Environmental (Solution	ıs - Red E	Buff PHONE:		n in the second
F A C	PERMIT NO.		5053 US HI					47 - 32 - 40 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1
I L I T Y	21. DISPOSAL FACILITY'S CERTIFICATE facility is authorized and permitted to receive such a AUTHORIZED SIGNATURE	wastes.	ify that the above d	lescribed	DATE	ere delivered t	ТІМ	

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY I

TRANSPORTER: COPY 2

DISPOSAL SITE: COPY 3 & 4

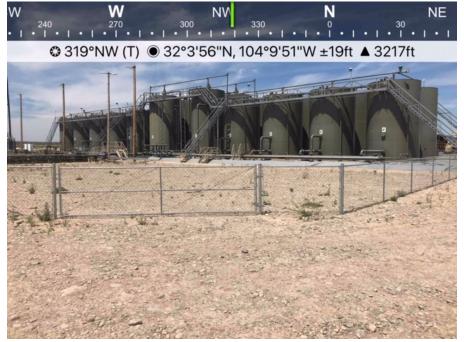
Appendix F

Photographs

Closure Report

Chevron USA, Inc., Gravitas 2 State SWD #002

Produced Water Release



Spill within lined containment viewing northwest



Spill within lined containment viewing west

Closure Report

Chevron USA, Inc., Gravitas 2 State SWD #002

Produced Water Release



Spill within lined containment viewing southwest/west



Spill within lined containment viewing east

Closure Report

Chevron USA, Inc., Gravitas 2 State SWD #002

Produced Water Release



Proposed excavation area viewing west

Closure Report

Chevron USA, Inc., Gravitas 2 State SWD #002

Produced Water Release



Excavated soil encompassing sample locations C-1 through C-3 and Sidewall N&W, January 4, 2021



Excavated soil encompassing sample location Sidewall S&E, January 4, 2021

Closure Report

Chevron USA, Inc., Gravitas 2 State SWD #002

Produced Water Release



Additional excavated soil from the sidewall N+W, January 28, 2021



Backfilled excavation, January 29, 2021

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

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

Action 19227

CONDITIONS

Operator:	OGRID:			
CHEVRON U S A INC	4323			
6301 Deauville Blvd	Action Number:			
Midland, TX 79706	19227			
	Action Type:			
	[C-141] Release Corrective Action (C-141)			

CONDITIONS

Crea	ated By	Condition	Condition Date
cead	ds	None	6/28/2021