HNH0T-190911-C-1410



Closure Report

West Red Lake Unit Water Station #001 Talon Project # 701307.120.01, *2RP-5440

Prepared For:

Lime Rock Resources 1111 Bagby St. Suite 4600 Houston, TX 77002

Prepared By:

TALON/LPE 408 W. Texas Avenue Artesia, New Mexico 88210

August 19, 2019

Mr. Mike Bratcher **NMOCD District 2** 811 S. 1st Street Artesia, NM 88210

Subject: Site Assessment & Closure Report WRLU Water Station #001 Eddy County, NM 2RP-5440

Dear Mr. Bratcher,

Lime Rock Resources has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The results of our site assessment, soil analysis and closure request is contained herein.

Site Information

WRLU Water Station #001 is located approximately seven (7) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter B, Section 7, Township 18 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.769121 North and - 104.314282 West. An Impact Area Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Gypsum lands. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Guadalupian in age and is comprised of weathered gypsum. Drainage courses in this area are well-drained.

Ground Water and Site Ranking

The New Mexico Office of the State Engineer web site indicates that the average depth to groundwater is 82' below ground surface (BGS). See Appendix II for the referenced groundwater data.

The site is not located within 300 feet of significant watercourse or wetland. The site is not located in a FEMA Flood Zone. However, the site is located within a high potential Karst area. Therefore, the NMOCD Table 1 Closure Criteria for Soils Impacted by a Release (19.15.29.12 NMAC) for this project are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 100 mg/kg for TPH and 600 mg/kg for Total Chlorides.

Incident Description

On May 18, 2019, a 2 7/8" IPC injection line was discovered to be leaking due to corrosion. A total of 135 barrels (bbls) of produced water were released inside the previously constructed bermed area off location. Vac trucks were dispatched and recovered 115 bbls of water.

Site Assessment

On May 29, 2019, Talon mobilized personnel to begin site assessment and soil sampling activities. Grab soil samples were collected within and around the impacted area utilizing a hand auger. Results from our initial sampling event are presented in the following data table. A complete laboratory report can be found in Appendix V.

Sample ID	Depth (ft.)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
	riteria IAW .12 NMAC	50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
6.1	0	0.000885	ND	8.07	33.3	ND	41.37	14600
S-1	1	0.000855	ND	ND	9.07	ND	9.07	823
6.2	0	0.000468	ND	ND	38.1	ND	38.1	21800
S-2	1	0.000606	ND	14.1	26.3	ND	40.4	6390
	0	0.00115	ND	ND	16.1	ND	16.1	23800
S-3	1	ND	ND	1800	2440	12.5	4252.5	5490
S-4	0	0.255	0.00169	16.1	54.9	ND	71	39800
C.F.	0	0.00274	ND	ND	15.7	ND	15.7	41500
S-5	1	0.00144	0.000699	14.6	853	162	1029.6	4530

5-29-19 Soil Samples

ND= Not Detected

Remedial Actions:

- The impacted area in the vicinity of S-2 through S-3 was excavated to a depth of 5.0-feet BGS where the excavation was met with hard rock refusal. Once the excavation was complete, a hydrovac was used and the rock surface washed off. A bentonite clay liner was then installed at the bottom of the excavation. Two feet of backfill was placed over the bentonite liner and a 40 mil-liner was then installed at the bottom and over the newly reconstructed berm. The liner was installed to capture future releases and facilitate vac truck recovery efforts.
- The impacted area in the vicinity of S-4 through S-5 was hand-excavated to a depth of 2.0-feet BGS until it was met with hard rock refusal. This area was hand-excavated due to presence of multiple flow lines and inaccessibility of heavy equipment.
- The work area was contoured and sloped to funnel potential spills into the lined and bermed collection area in order to mitigate future incidents of this nature.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved soil waste disposal facility.
- The excavated area was backfilled with clean caliche, machine compacted and contoured to match the surrounding location.
- See Appendix IV Photographic Documentation for initial, excavation, installation and completed photos.
- A Final C-141 is attached in Appendix III.

Closure

On behalf of Lime Rock Resources, we respectfully request that no further actions be required at this site and that closure with regard to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE /

Chris Yones^V Project Manager

David J Adkins District Manager

Attachments:

Appendix IImpact Area Map, TOPO Map, Karst Map, Locator MapAppendix IISoil Survey, Groundwater Data & FEMA Flood ZoneAppendix IIIFinal C-141Appendix IVPhotographic DocumentationAppendix VLaboratory Data



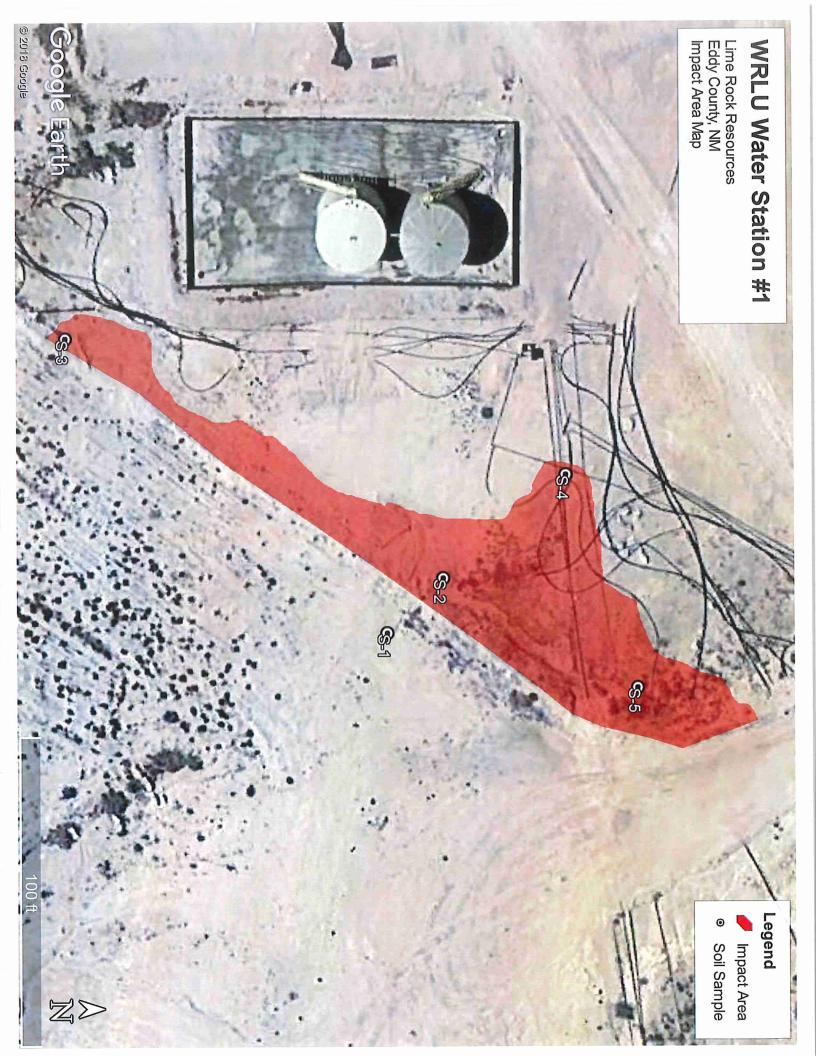
APPENDIX I

IMPACT AREA MAP

KARST MAP

ΤΟΡΟ ΜΑΡ

LOCATOR MAP





Lime Rock Resources Eddy County, NM Karst Map

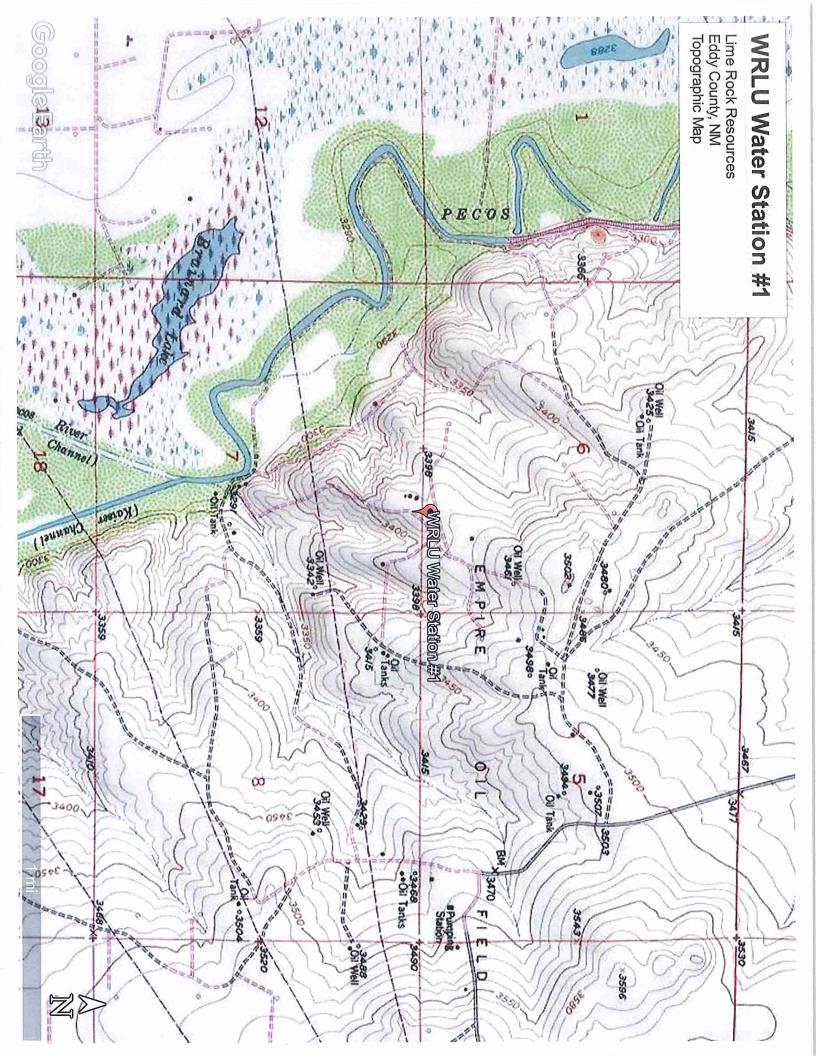
WRLU Water Station #1

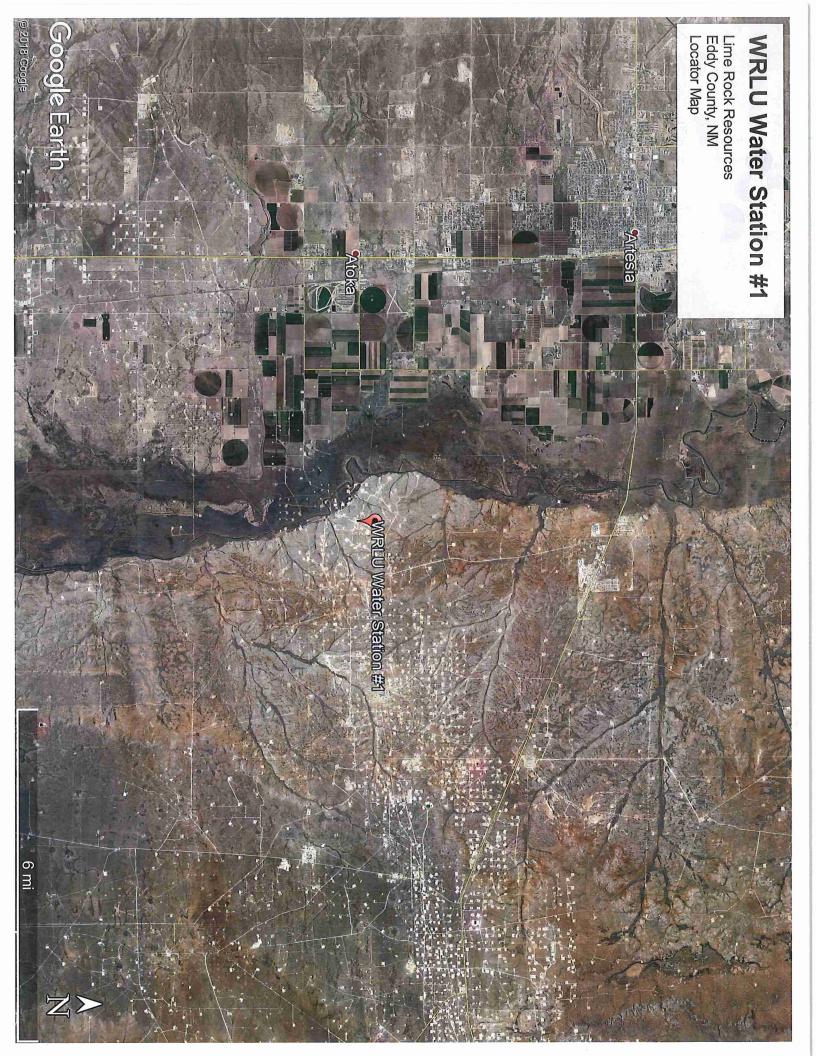
Google Earth

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APPENDIX II

SOIL SURVEY

GROUNDWATER DATA

FEMA FLOOD ZONE

Eddy Area, New Mexico

GA—Gypsum land

Map Unit Setting

National map unit symbol: 1w4f Elevation: 1,250 to 5,000 feet Mean annual precipitation: 10 to 25 inches Mean annual air temperature: 57 to 66 degrees F Frost-free period: 190 to 225 days Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 100 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Gypsum Land

Setting

Landform: Ridges, hills, plains Landform position (two-dimensional): Backslope, footslope, shoulder, toeslope Landform position (three-dimensional): Side slope, crest, nose slope, head slope Down-slope shape: Convex Across-slope shape: Linear Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 8s Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: Ecological site: Salty Bottomland (R042XC033NM) Hydric soil rating: No

Cottonwood

Percent of map unit: Ecological site: Salty Bottomland (R042XC033NM) Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 14, Sep 12, 2018

USDA

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

						_									
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer	(R=POD been rep O=orpha	placed,													
serves a water right file.)	C=the fil closed)		(arte	rs ar		allest to		4=SE) AD83 UTM in n	neters)	(In fe	et)		
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		Sub-		Q	Q	Q								W	ater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	Х	Y	DistanceDep	thWellDepth	Water Co	lumn
RA 05989		RA	ED	3	2	4	01	18S	26E	562774	3626466* 😜	1556	72	8	64
RA 03714		RA	СН	4	4	2	08	18S	27E	566212	3625253* 😜	2090	381		
RA 03661		RA	ED	3	2	3	32	17S	27E	565186	3628038* 🥘	2344	330	140	190
RA 03664		RA	СН	3	2	3	32	178	27E	565186	3628038* 🍋	2344	400	100	300
RA 02432		RA	ED	2	3	1	12	18S	26E	561764	3625443* 😜	2502	100		
											Aver	age Depth to W	ater:	82 fee	t
												Minimum De	oth:	8 fee	t
												Maximum Dep	oth:	140 fee	t
Record Count:5															
UTMNAD83 Radiu	us Search	(in mete	ers):												
Easting (X): 56	64224		Nort	hin	g ('	Y):	362	5900			Radius: 3000				
*UTM location was deriv			•							_					
The data is furnished by the concerning the accuracy,	he NMOSE/ completene:	ISC and i ss, reliabi	is accepte lity, usabil	d by ity, e	/ the	e re uita	cipier bility	nt with for any	the expr particul	essed unde ar purpose	erstanding that th of the data.	e OSE/ISC make	no warranties, e	expressed or	implied,
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National Flood Hazard Layer FIRMette





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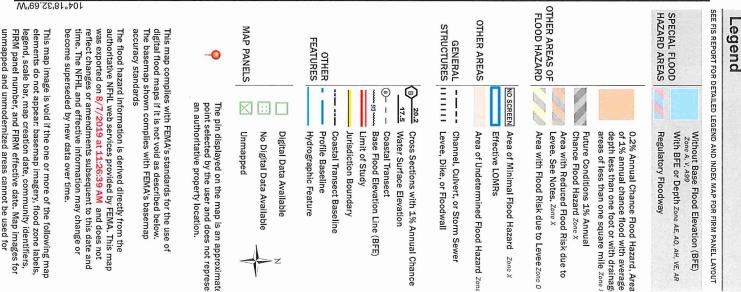
1,500

2,000

1:6,000

32°45'53.71"N

regulatory purposes.





APPENDIX III

FINAL C-141

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

State of New Mexico Energy Minerals and Natural Resources Department

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

)

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Lime Rock Resources	OGRID 277558	
Contact Name Michael Barrett	Contact Telephone 575-365-9724	
Contact email mbarrett@limerockresources.com	Incident # (assigned by OCD)	
Contact mailing address 1111 Bagby St Ste 4600 Houston, 77002	TX	

Location of Release Source

Latitude 32.7691_

Longitude -104.3149 (NAD 83 in decimal degrees to 5 decimal places)

Site Name West Red Lake Unit Water Station #1	Site Type Production Facility
Date Release Discovered 5-18-19	API# (if applicable)

Unit Letter	Section	Township	Range	County
В	7	18S	27E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____

Nature and Volume of Release

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

Crude Oil	Volume Released	Volume Recovered
Produced Water	Volume Released (135 bbls)	Volume Recovered (115 bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	X Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: On 5-18-19 at the WRLU Water Station #1 a leak was found due to a split in a 2 7/8" surface IPC injection line due to corrosion. All fluids were contained inside a secondary caliche berm on location. The line was taken out of surface until repairs are made.

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Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls
Yes No	
If YES, was immediate no	potice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	PE to Mike Bratcher, Victoria Venegas, Robert Hamlet-NMOCD, Jim Amos-BLM via email.

Initial Response

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

 \boxtimes The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Mike Barrett Signature: MM Barr Title: Production Superintendent

Date: 8-12-19

email: mbarrett@limerockresources.com

Telephone: 575-365-9724

OCD Only

Received by:

Date:

State of New Mexico **Oil Conservation Division**

Incident ID	
District RP	
Facility ID	
Application ID	1

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>8</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Ycs 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🛛 No

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

 \boxtimes Field data

Data table of soil contaminant concentration data

Depth to water determination

- \boxtimes Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs

X Photographs including date and GIS information

 \boxtimes Topographic/Aerial maps

Laboratory data including chain of custody

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

Form C-141 Page 4	State of New M Oil Conservation		Incident ID District RP Facility ID Application ID	
regulations all operators an public health or the enviro failed to adequately invest		n release notifications and perform port by the OCD does not relieve at pose a threat to groundwater, s	n corrective actions for release e the operator of liability should urface water, human health or t mpliance with any other federa Superintendent	s which may endanger l their operations have he environment. In
email: mbarrett@limero	ckresources.com	Telephone: 575-	365-9724	
OCD Only Received by:		Date:		

Form C-141 Page 5 State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.		
 Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC 		
Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)		
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health, the environment, or groundwater.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Mike Barrett Title: Production Superintendent		
Signature: MM Sc Date: 8-12-19		
email: <u>mbarrett@limerockresources.com</u> Telephone: 575-365-9724		
OCD Only		
Received by: Date:		
Approved Approved with Attached Conditions of Approval Denied Deferral Approved		
Signature: Date:		

Form C-141

Page 6

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	_
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Mike Barrett Signature: N

email: mbarrett@limerockresources.com

Title: Production Superintendent

Date: 8-12-19

Telephone: 575-365-9724

OCD Only

Received by: _

Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date:
Printed Name:	Title:



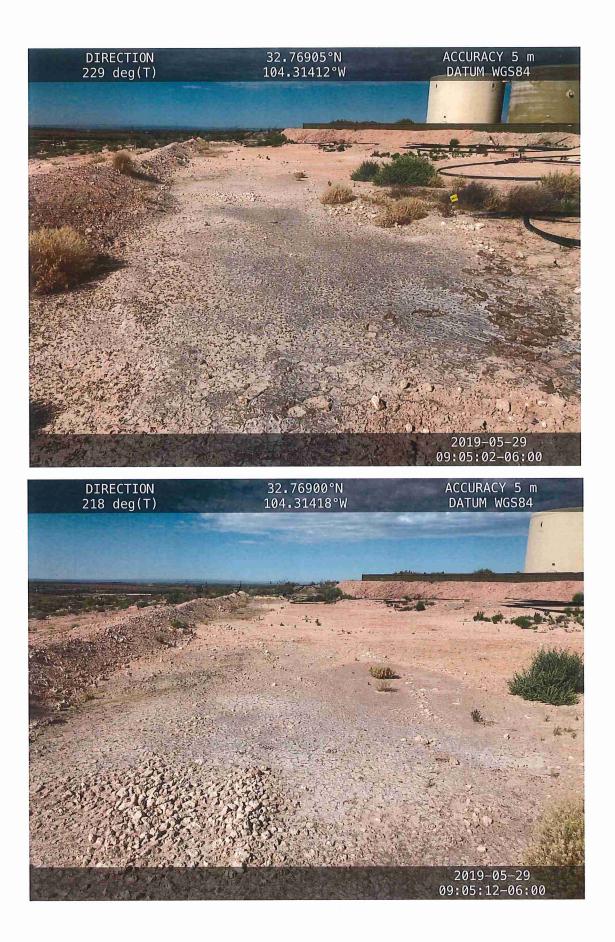
APPENDIX IV

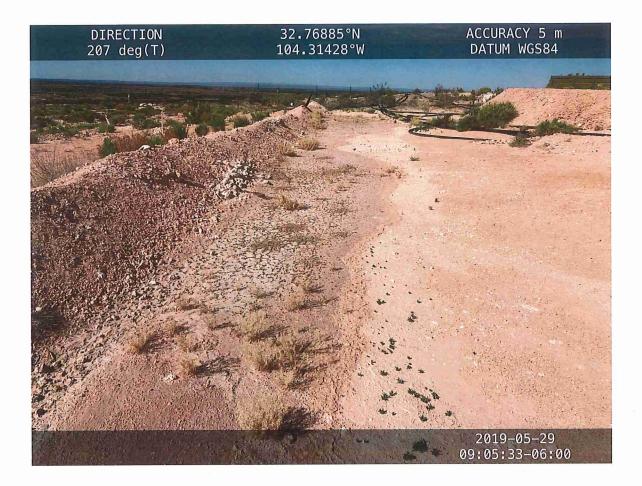
PHOTOGRAPHIC DOCUMENTATION

Spill Area







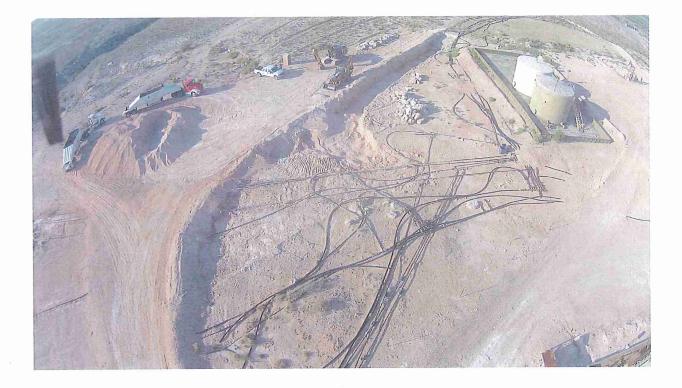


Excavation







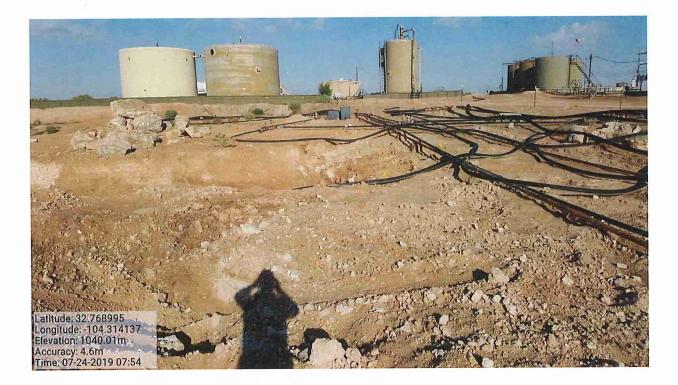


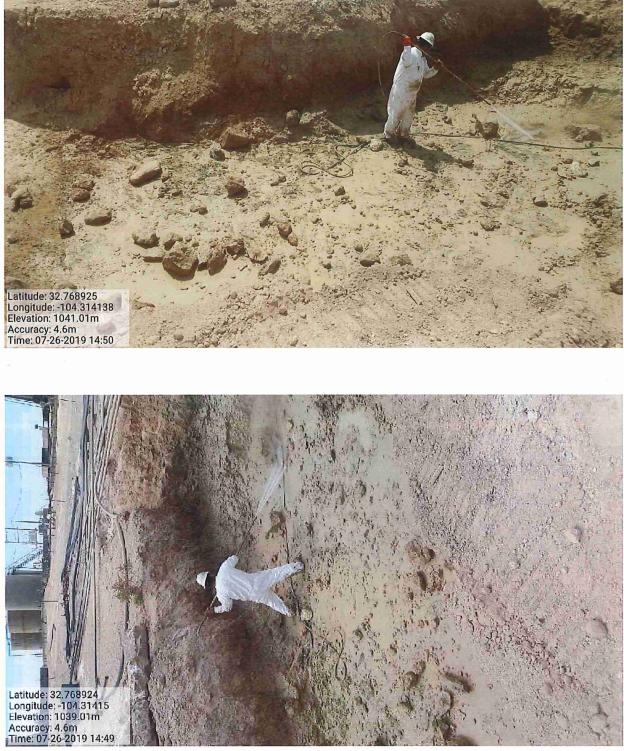




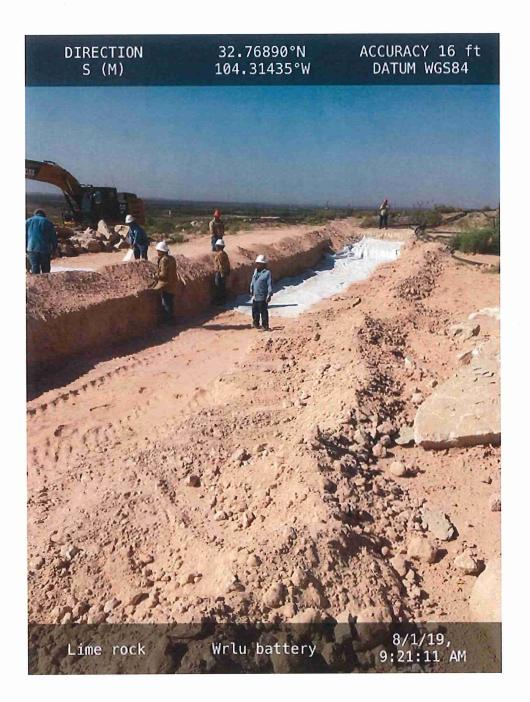
Hydrovac Pics

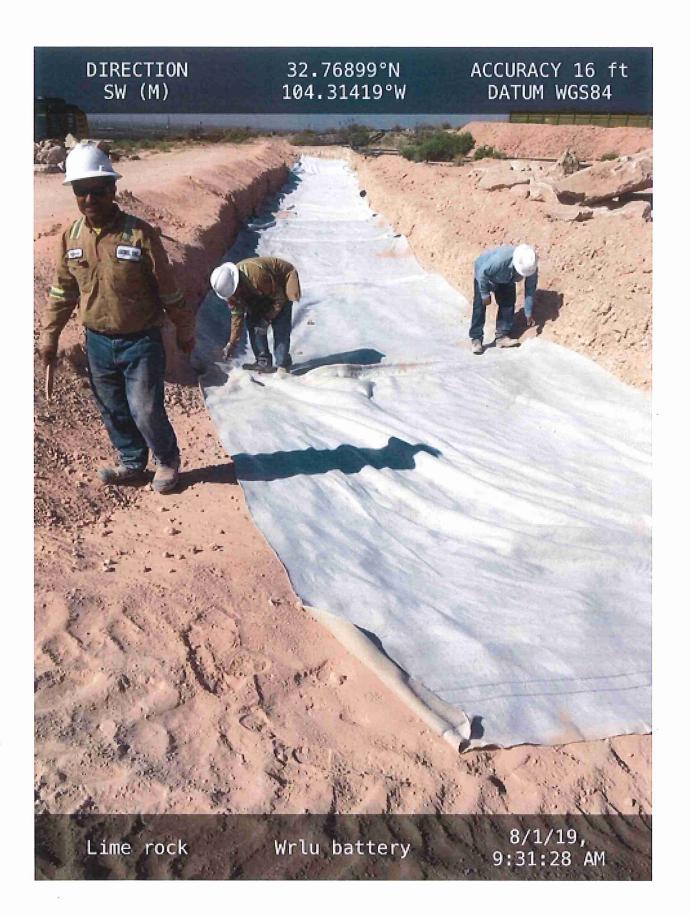






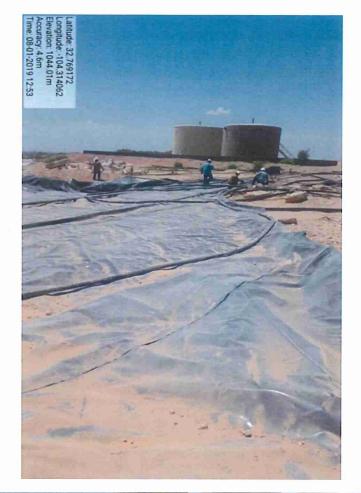
Bentonite Liner Install



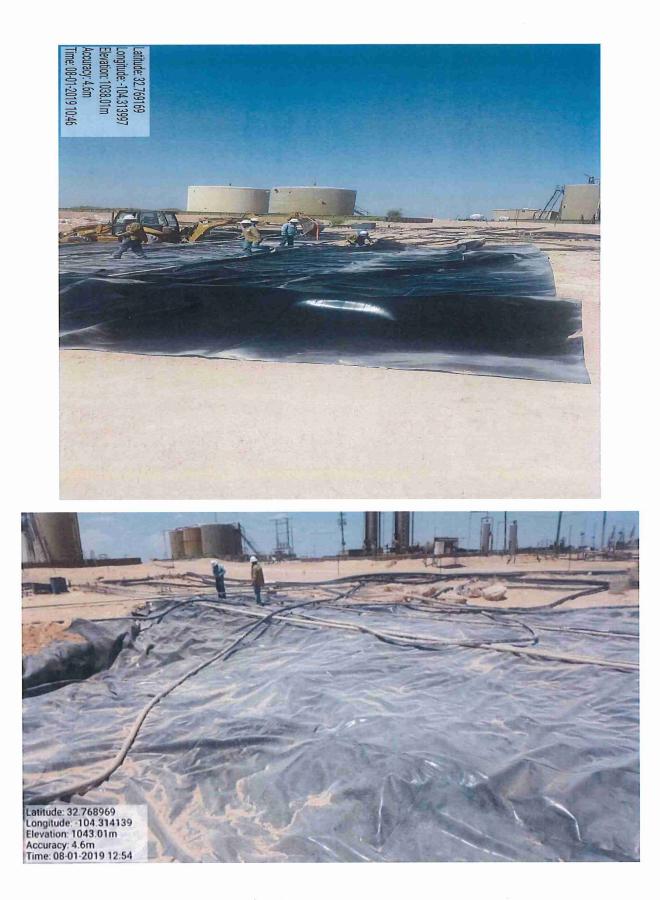


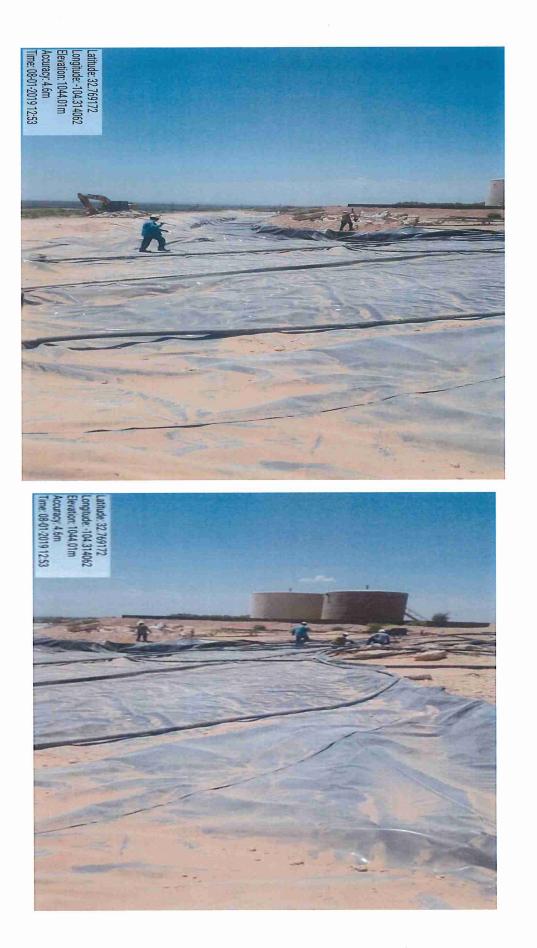
40 Mil-Liner Install

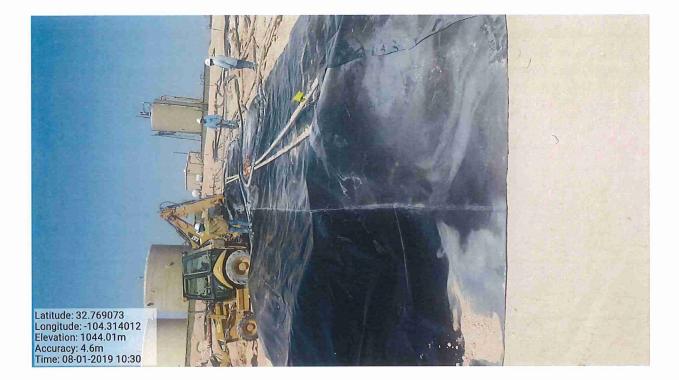




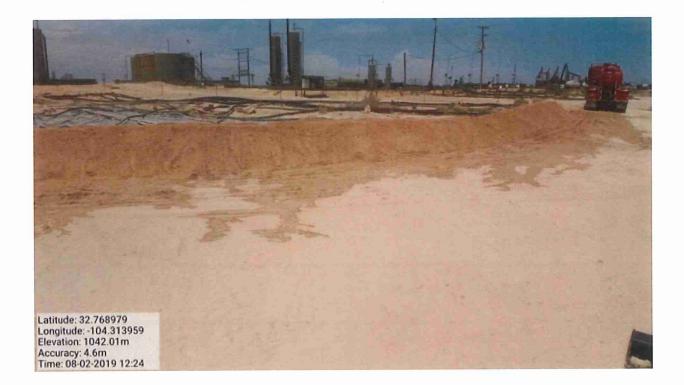






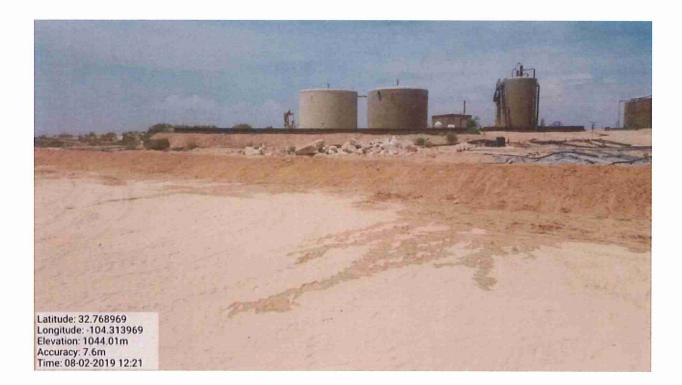


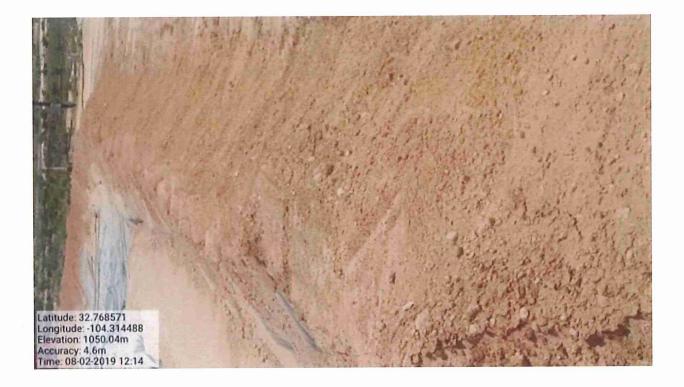




Completed









APPENDIX V

LABORATORY DATA

١

Analytical Report 625910

for Talon/LPE Co.

Project Manager: Chris Jones

WRLU Water Station #1

701307.120.01

07-JUN-19

Collected By: Client





1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Atlanta (LELAP Lab ID #04176) Xenco-Tampa: Florida (E87429), North Carolina (483)



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07-JUN-19

Project Manager: **Chris Jones Talon/LPE Co.** 921 N Bivins St Amarillo, TX 79107

Reference: XENCO Report No(s): 625910 WRLU Water Station #1 Project Address:

Chris Jones:

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) 625910. 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. 625910 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,

Jessica VRAMER

Jessica Kramer Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 625910



Talon/LPE Co., Amarillo, TX

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1 0'	S	05-29-19 09:30		625910-001
S-1 1'	S	05-29-19 09:40		625910-002
S-2 0'	S	05-29-19 10:00		625910-003
S-2 1'	S	05-29-19 10:15		625910-004
S-3 0'	S	05-29-19 10:25		625910-005
S-3 1'	S	05-29-19 10:30		625910-006
S-4 0'	S	05-29-19 10:35		625910-007
S-5 0'	S	05-29-19 11:00		625910-008
S-5 1'	S	05-29-19 11:15		625910-009



CASE NARRATIVE

Client Name: Talon/LPE Co. Project Name: WRLU Water Station #1

 Project ID:
 701307.120.01

 Work Order Number(s):
 625910

Report Date:07-JUN-19Date Received:05/30/2019

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3091572 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.





625910 Talon/LPE Co., Amarillo, TX

Sample Id: S-1 0'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id: 625910-001		Date Collected	1: 05.29.19 09	.30	Date Re	eceived: 05.30.1	9 10.5	8
Analytical Method: Chloride by EPA 300					Prep M	ethod: E300P		
Analyst: CHE		% Moist:			Tech:	CHE		
Seq Number: 3091025		Date Prep: 06.	.03.19 15.40					
3091025		Prep seq: 76						
	CAS Number	Ttop seq. 70				Analysis		Dil Factor
Parameter	Crio ramber	Result	MQL	SDL	Units	Date	Flag	
Chloride	16887-00-6	14600	253	43.4	mg/kg	06.04.19 06:27		50
Analytical Method: TPH by SW8015 Mo	i				Prep M	ethod: 1005		
Analyst: ARM		% Moist:			Tech:	ARM		
Seq Number: 3090918		Date Prep: 06	.01.19 08.00					
Seq Number. 5090918		Prep seq: 76						
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C	DUC(10	8.07	15.0	7.99	mg/kg	06.01.19 17:48	J	1
Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	PHC610 C10C28DRO	33.3	15.0	8.11	mg/kg	06.01.19 17:48	5	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.11	15.0	8.11	mg/kg	06.01.19 17:48	U	1
Total TPH	РНС635	41.4		7.99	mg/kg	06.01.19 17:48		
Surrogate		% Recovery		Limits	Un	its Analysis	Date	Flag
Surrogate 1-Chlorooctane o-Terphenyl		% Recovery 96 95		Limits 70 - 1 70 - 1	135 %	, 0	Date	Flag
1-Chlorooctane o-Terphenyl	2	96		70 - 1	135 % 135 %	, 0 0		Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211	3	96 95		70 - 1	135 % 135 % Prep M	6 6 Iethod: 5030B		ŀlag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM	3	96 95 % Moist:	06 10 15 50	70 - 1	135 % 135 %	, 0 0		Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211	3	96 95 % Moist: Date Prep: 06		70 - 1	135 % 135 % Prep M	6 6 Iethod: 5030B		Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM		96 95 % Moist:		70 - 1	135 % 135 % Prep M	iethod: 5030B SCM		
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM	3 CAS Number	96 95 % Moist: Date Prep: 06		70 - 1	135 % 135 % Prep M	6 6 Iethod: 5030B		Flag Dil Factor
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572		96 95 % Moist: Date Prep: 06 Prep seq: 76	579454	70 - 1 70 - 1	135 % 135 % Prep M Tech:	fethod: 5030B SCM Analysis		
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter	CAS Number	96 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473	0.00201 0.00201	70 - 1 70 - 1 SDL 0.000387 0.000458	135 % 135 % Prep M Tech: Units mg/kg	G G G G G G G G G G G G G G G G G G G	Flag U J	Dil Factor I 1
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene	CAS Number 71-43-2 108-88-3 100-41-4	96 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473 <0.000568	0.00201 0.00201 0.00201 0.00201	70 - 1 70 - 1 SDL 0.000387 0.000458 0.000568	135 % 135 % Prep M Tech: Units mg/kg mg/kg	Lethod: 5030B SCM Analysis Date 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21	Flag U J U	Dil Factor 1 1
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	96 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473 <0.000568 <0.00102	MQL 0.00201 0.00201 0.00201 0.00201 0.00201 0.00402	70 - 1 70 - 1 5DL 0.000387 0.000458 0.000568 0.00102	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21	Flag U J U U	Dil Factor I 1 1
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	96 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473 <0.000568 <0.00102 0.000412	0.00201 0.00201 0.00201 0.00201	70 - 1 70 - 1 5DL 0.000387 0.000458 0.000568 0.00102 0.000346	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21	Flag U J U U J	Dil Factor 1 1
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	96 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473 <0.000568 <0.00102	MQL 0.00201 0.00201 0.00201 0.00201 0.00201 0.00402	70 - 1 70 - 1 5DL 0.000387 0.000458 0.000568 0.00102	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21	Flag U J U U	Dil Factor I 1 1
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	96 95 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473 <0.000568 <0.00102 0.000412 0.000412	MQL 0.00201 0.00201 0.00201 0.00201 0.00201 0.00402	70 - 1 70 - 1 70 - 1 5DL 0.000387 0.000458 0.000568 0.00102 0.000346 0.000346	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21	Flag U J U J J J J	Dil Factor I 1 1
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX Surrogate	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	96 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473 <0.000568 <0.00102 0.000412 0.000412 0.000885	MQL 0.00201 0.00201 0.00201 0.00201 0.00201 0.00402	70 - 1 70 - 1 70 - 1 5DL 0.000387 0.000458 0.000568 0.00102 0.000346 0.000346 0.000346	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21	Flag U J U J J J J	Dil Factor 1 1 1 1 1
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 80211 Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	96 95 95 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000387 0.000473 <0.000473 <0.000473 <0.000412 0.000412 0.000412 0.000885	MQL 0.00201 0.00201 0.00201 0.00201 0.00201 0.00402	70 - 1 70 - 1 70 - 1 5DL 0.000387 0.000458 0.000568 0.00102 0.000346 0.000346 0.000346 0.000346 0.000346	135 % 135 % Prep M Tech: Units Units Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis SCM SCM Analysis Date 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21 06.06.19 22:21	Flag U J U J J J J	Dil Factor 1 1 1 1 1





625910

Talon/LPE Co., Amarillo, TX

Sample Id: S-1 1'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id: 625910-002		Date Collected	1: 05.29.19 09	.40	Date Re	eceived: 05.30.1	9 10.5	8
Analytical Method: Chloride by EPA 300					Prep M	ethod: E300P		
Analyst: CHE		% Moist:			Tech:	CHE		
Seq Number: 3091025		Date Prep: 06	.03.19 15.40					
3eq 14010er. 3091025		-						
		Prep seq: 76	79070					DU Es stan
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	823	25.3	4.34	mg/kg	06.04.19 06:37		5
Analytical Method: TPH by SW8015 Mod					Prep M	ethod: 1005		
Analyst: ARM		% Moist:			Tech:	ARM		
-		Date Prep: 06	01 19 08 00		room			
Seq Number: 3090918		Prep seq: 76						
	CAS Number			67. X		Analysis		Dil Factor
Parameter		Result	MQL	SDL	Units	Date	Flag	
Gasoline Range Hydrocarbons (GRO)	PHC610	<8.00	15.0	8.00	mg/kg	06.01.19 18:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	9.07	15.0	8.13	mg/kg	06.01.19 18:08	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.13	15.0	8.13	mg/kg	06.01.19 18:08	U	1
Total TPH	PHC635	9.07		8.00	mg/kg	06.01.19 18:08	J	
Surrogate		% Recovery		Limits	Uni	its Analysis	Date	Flag
Surrogate 1-Chlorooctane		% Recovery 93		Limits 70 - 1		·	Date	Flag
ů –		-			35 %	5	Date	Flag
1-Chlorooctane o-Terphenyl		93		70 - 1	35 %		Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B		93		70 - 1	35 % 35 %	ethod: 5030B	Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM		93 92 % Moist:	.06.19 15.50	70 - 1	35 % 35 % Prep M		Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B		93 92 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM	CAS Number	93 92 % Moist:		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag Dil Factor
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572		93 92 % Moist: Date Prep: 06 Prep seq: 76	79454	70 - 1 70 - 1	35 % 35 % Prep M Tech:	iethod: 5030B SCM Analysis		
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter	CAS Number	93 92 % Moist: Date Prep: 06 Prep seq: 76 Result	79454 MQL	70 - 1 70 - 1 SDL 0.000383 0.000453	35 % 35 % Prep M Tech: Units mg/kg	ethod: 5030B SCM Analysis Date	Flag	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene	CAS Number 71-43-2 108-88-3 100-41-4	93 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000497 <0.000561	79454 MQL 0.00199 0.00199 0.00199	70 - 1 70 - 1 SDL 0.000383 0.000453 0.000561	35 % 35 % Prep M Tech: Units mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40	Flag U J U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	93 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000497 <0.000561 <0.00101	79454 MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000453 0.000561 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40	Flag U J U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000497 <0.000561 <0.00101 0.000358	79454 MQL 0.00199 0.00199 0.00199	70 - 1 70 - 1 5DL 0.000383 0.000453 0.000561 0.00101 0.000342	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40	Flag U J U U J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	93 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000497 <0.000561 <0.00101	79454 MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000453 0.000561 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40	Flag U J U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000497 <0.000561 <0.00101 0.000358 0.000358	79454 MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 8DL 0.000383 0.000453 0.000561 0.00101 0.000342 0.000342	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40	Flag U J U U J J J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000497 <0.000561 <0.00101 0.000358 0.000358	79454 MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 8DL 0.000383 0.000453 0.000561 0.00101 0.000342 0.000342	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40	Flag U J U J J J J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000497 <0.000561 <0.00101 0.000358 0.000358 0.000855	79454 MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 70 - 1 5DL 0.000383 0.000453 0.000561 0.00101 0.000342 0.000342 0.000342	35 % 35 % Prep M Tech: Units Units mg/kg	Analysis SCM Analysis Date 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40 06.06.19 22:40	Flag U J U J J J J	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id: S-2 0'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id: 625910-003		Date Collecte	d: 05.29.19 10	0.00	Date Re	eceived: 05.30.1	9 10.5	8
Analytical Method: Chloride by EPA 300					Prep M	ethod: E300P		
Analyst: CHE		% Moist:			Tech:	CHE		
Seq Number: 3091025		Date Prep: 06	.03.19 15.40					
		Prep seq: 76	79076					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	21800	253	43.4	mg/kg	06.04.19 06:48		50
Analytical Method: TPH by SW8015 Moc					Prep M	ethod: 1005		
2	L	% Moist:			Tech:	ARM		
Analyst: ARM			01 10 00 00		Tech:	ARIVI		
Seq Number: 3090918		Date Prep: 06						
		Prep seq: 76	79064					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<7.99	15.0	7.99	mg/kg	06.01.19 18:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	38.1	15.0	8.12	mg/kg	06.01.19 18:28		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.12	15.0	8.12	mg/kg	06.01.19 18:28	U	1
Total TPH	PHC635	38.1		7.99	mg/kg	06.01.19 18:28		
Surrogate		% Recovery		Limits	Uni	its Analysis	Date	Flag
Surrogate 1-Chlorooctane		92		70 - 1	.35 %		Date	Flag
_		•			.35 %		Date	Flag
1-Chlorooctane o-Terphenyl		92		70 - 1	35 % 35 %	5	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E		92 92		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM		92 92 % Moist:	06 10 15 50	70 - 1	35 % 35 %	5	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E	i -	92 92 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM	1	92 92 % Moist:		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM	CAS Number	92 92 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572		92 92 % Moist: Date Prep: 06 Prep seq: 76	579454	70 - 1 70 - 1	35 % 35 % Prep M Tech:	iethod: 5030B SCM Analysis		
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter	CAS Number 71-43-2 108-88-3	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468	0.00199 0.00199	70 - 1 70 - 1 SDL 0.000383 0.000454	35 % 35 % Prep M Tech: Units mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:59 06.06.19 22:59	Flag U J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene	CAS Number 71-43-2 108-88-3 100-41-4	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468 <0.000563	MQL 0.00199 0.00199 0.00199	70 - 1 70 - 1 SDL 0.000383 0.000454 0.000563	35 % 35 % Prep M Tech: Units mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59	Flag U J U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468 <0.000563 <0.00101	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 SDL 0.000383 0.000454 0.000563 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59	Flag U J U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468 <0.000563 <0.00101 <0.000343	MQL 0.00199 0.00199 0.00199	70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101 0.000343	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59	Flag U J U U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468 <0.000563 <0.00101	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 SDL 0.000383 0.000454 0.000563 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59	Flag U J U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468 <0.000563 <0.00101 <0.000343 0.000343 0.000468	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101 0.000343 0.000343 0.000343	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59	Flag U J U U U U J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468 <0.000563 <0.00101 <0.000343 <0.000343	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101 0.000343 0.000343	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59	Flag U J U U U U J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000468 <0.000563 <0.00101 <0.000343 0.000343 0.000468	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101 0.000343 0.000343 0.000343	35 % 35 % Prep M Tech: Units Units mg/kg m	Analysis SCM SCM 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59 06.06.19 22:59	Flag U J U U U U J	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id: S-2 1'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id: 625910-004		Date Collected	d: 05.29.19 10	.15	Date Re	eceived: 05.30.1	9 10.5	8
Analytical Method: Chloride by EPA 300					Prep M	ethod: E300P		
Analyst: CHE		% Moist:			Tech:	CHE		
Seq Number: 3091025		Date Prep: 06	.03.19 15.40					
Seq 1401061. 5091025		Prep seq: 76						
		Prep seq: 70	/90/0					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	6390	49.7	8.53	mg/kg	06.04.19 06:58		10
Analytical Method: TPH by SW8015 Mod					Prep M	ethod: 1005		
Analyst: ARM		% Moist:			Tech:	ARM		
•		Date Prep: 06	01 19 08 00					
Seq Number: 3090918		-						
		Prep seq: 76	/9064					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	14.1	15.0	7.99	mg/kg	06.01.19 18:47	J	1
Diesel Range Organics (DRO)	C10C28DRO	26.3	15.0	8.12	mg/kg	06.01.19 18:47		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.12	15.0	8.12	mg/kg	06.01.19 18:47	U	1
Total TPH	PHC635	40.4		7.99	mg/kg	06.01.19 18:47		
		0/ D		¥ 1	¥1	te Anolusia	Data	Flog
Surrogate		% Recovery		Limits	Uni	•	Date	Flag
1-Chlorooctane		94		70 - 1	35 %)	Date	Flag
-		-			35 %)	Date	Flag
1-Chlorooctane o-Terphenyl		94		70 - 1	35 %	5	Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B		94		70 - 1	35 % 35 %	5	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM		94 93 % Moist:	5.06.19 15.50	70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B		94 93		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM	CAS Number	94 93 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag Dil Factor
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572		94 93 % Moist: Date Prep: 06 Prep seq: 76	579454	70 - 1 70 - 1	35 % 35 % Prep M Tech:	ethod: 5030B SCM Analysis		
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter	CAS Number 71-43-2 108-88-3	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result	0.00199 0.00199	70 - 1 70 - 1 SDL 0.000383 0.000453	35 % 35 % Prep M Tech: Units	ethod: 5030B SCM Analysis Date 06.06.19 23:18 06.06.19 23:18	Flag U J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene	CAS Number 71-43-2 108-88-3 100-41-4	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000606 <0.000561	0.00199 0.00199 0.00199	70 - 1 70 - 1 SDL 0.000383 0.000453 0.000561	35 % 35 % Prep M Tech: Units mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18	Flag U J U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000606 <0.000561 <0.00101	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000453 0.000561 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18	Flag U J U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000606 <0.000561 <0.00101 <0.000342	0.00199 0.00199 0.00199	70 - 1 70 - 1 5DL 0.000383 0.000453 0.000561 0.00101 0.000342	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18	Flag U J U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000606 <0.000561 <0.00101	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000453 0.000561 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18	Flag U J U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000606 <0.00101 <0.000342 <0.000342	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 8DL 0.000383 0.000453 0.000561 0.00101 0.000342 0.000342	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18	Flag U J U U U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000606 <0.00101 <0.000342 <0.000342	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 8DL 0.000383 0.000453 0.000561 0.00101 0.000342 0.000342	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18	Flag U J U U U U J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 93 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 0.000606 <0.000561 <0.00101 <0.000342 <0.000342 0.000606	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 8DL 0.000383 0.000453 0.000561 0.00101 0.000342 0.000342 0.000342	35 % 35 % Prep M Tech: Units Units mg/kg	Analysis SCM Analysis Date 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18 06.06.19 23:18	Flag U J U U U U J	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id:	S-3 0'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id	: 625910-005		Date Collected	d: 05.29.19 10	.25	Date Re	eceived: 05.30.1	9 10.5	8
Analytical Me	thod: Chloride by EPA 300					Prep M	ethod: E300P		
Analyst:	CHE		% Moist:			Tech:	CHE		
Seq Number:	3091025		Date Prep: 06	.03.19 15.40					
Seq Number.	5091025		Prep seq: 76						
			Prep seq: 70	/90/0					
Parameter	r	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride		16887-00-6	23800	248	42.5	mg/kg	06.04.19 07:40		50
Analytical Ma	the de TDII has CW2015 Med					Prep M	ethod: 1005		
-	thod: TPH by SW8015 Mod		0/ 3.4- :-+-			-			
Analyst:	ARM		% Moist:			Tech:	ARM		
Seq Number:	3090918		Date Prep: 06						
			Prep seq: 76	79064					
Paramete	r	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline R	ange Hydrocarbons (GRO)	PHC610	<7.98	15.0	7.98	mg/kg	06.01.19 19:07	U	1
Diesel Ran	ge Organics (DRO)	C10C28DRO	16.1	15.0	8.10	mg/kg	06.01.19 19:07		1
	ange Hydrocarbons (MRO)	PHCG2835	<8.10	15.0	8.10	mg/kg	06.01.19 19:07	U	1
Total TPH		PHC635	16.1		7.98	mg/kg	06.01.19 19:07		
Surrogate			% Recovery		Limits	Uni	ts Analysis	Date	Flag
Surrogate			% Recovery 93		Limits 70 - 1		•	Date	Flag
-	stane		-			35 %	,	Date	Flag
1-Chlorood	stane		93		70 - 1	35 %	,	Date	Flag
1-Chlorooc o-Terpheny	stane		93		70 - 1	35 %		Date	Flag
1-Chlorooc o-Terpheny Analytical Me	etane yl ethod: BTEX by EPA 8021B		93		70 - 1	35 % 35 %		Date	Flag
1-Chlorooc o-Terpheny Analytical Me Analyst:	stane yl ethod: BTEX by EPA 8021B SCM		93 92 % Moist:	.06.19 15.50	70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooc o-Terpheny Analytical Me	etane yl ethod: BTEX by EPA 8021B		93 92		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooc o-Terpheny Analytical Me Analyst:	etane yl ethod: BTEX by EPA 8021B SCM 3091572	CAS Number	93 92 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete	etane yl ethod: BTEX by EPA 8021B SCM 3091572	CAS Number 71-43-2	93 92 % Moist: Date Prep: 06 Prep seq: 76	79454	70 - 1 70 - 1	35 % 35 % Prep M Tech: Units	ethod: 5030B SCM Analysis		
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number:	etane yl ethod: BTEX by EPA 8021B SCM 3091572		93 92 % Moist: Date Prep: 06 Prep seq: 76 Result	79454 MQL	70 - 1 70 - 1 SDL	35 % 35 % Prep M Tech:	ethod: 5030B SCM Analysis Date	Flag	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene	etane yl ethod: BTEX by EPA 8021B SCM 3091572 r	71-43-2 108-88-3 100-41-4	93 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000388 0.000665 <0.000569	79454 MQL 0.00202 0.00202 0.00202	70 - 1 70 - 1 SDL 0.000388 0.000459 0.000569	35 % 35 % Prep M Tech: Units mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32	Flag U J U	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylen	etane yl ethod: BTEX by EPA 8021B SCM 3091572 r	71-43-2 108-88-3 100-41-4 179601-23-1	93 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000388 0.000665 <0.000569 <0.00102	79454 MQL 0.00202 0.00202 0.00202 0.00202 0.00403	70 - 1 70 - 1 SDL 0.000388 0.000459 0.000569 0.00102	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32	Flag U J U U	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene o-Xylene	etane yl ethod: BTEX by EPA 8021B SCM 3091572 r me es	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000388 0.000665 <0.000569 <0.00102 0.000484	79454 MQL 0.00202 0.00202 0.00202	70 - 1 70 - 1 5DL 0.000388 0.000459 0.000569 0.00102 0.000347	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32	Flag U J U J J	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene o-Xylene Total Xyle	ettane yl ethod: BTEX by EPA 8021B SCM 3091572 r me es enes	71-43-2 108-88-3 100-41-4 179601-23-1	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000388 0.000665 <0.000569 <0.00102 0.000484 0.000484	79454 MQL 0.00202 0.00202 0.00202 0.00202 0.00403	70 - 1 70 - 1 8DL 0.000388 0.000459 0.000569 0.00102 0.000347 0.000347	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32	Flag U J U J J J	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene o-Xylene	ettane yl ethod: BTEX by EPA 8021B SCM 3091572 r me es enes	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000388 0.000665 <0.000569 <0.00102 0.000484	79454 MQL 0.00202 0.00202 0.00202 0.00202 0.00403	70 - 1 70 - 1 5DL 0.000388 0.000459 0.000569 0.00102 0.000347	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32	Flag U J U J J	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene o-Xylene Total Xyle	ettane yl ethod: BTEX by EPA 8021B SCM 3091572 r me es enes EX	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000388 0.000665 <0.000569 <0.00102 0.000484 0.000484	79454 MQL 0.00202 0.00202 0.00202 0.00202 0.00403	70 - 1 70 - 1 8DL 0.000388 0.000459 0.000569 0.00102 0.000347 0.000347	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32	Flag U J U J J J J	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene Total Xyle Total BTE	ethod: BTEX by EPA 8021B SCM 3091572 r ene es enes EX	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	93 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000388 0.000665 <0.00102 0.000484 0.000115	79454 MQL 0.00202 0.00202 0.00202 0.00202 0.00403	70 - 1 70 - 1 8DL 0.000388 0.000459 0.000569 0.00102 0.000347 0.000347 0.000347	35 % 35 % Prep M Tech: Units Units mg/kg m	ethod: 5030B SCM Analysis Date 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32 06.07.19 00:32	Flag U J U J J J J	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id: S-3 1'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id: 625910-006		Date Collected	1: 05.29.19 10	.30	Date Re	ceived: 05.30.1	9 10.5	8
Analytical Method: Chloride by EPA 300					Prep Mo	ethod: E300P		
Analyst: CHE		% Moist:			Tech:	CHE		
Seq Number: 3091025		Date Prep: 06	.03.19 15.40					
Seq Transcere Sostoss		Prep seq: 76	79076					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	5490	100	17.2	mg/kg	06.04.19 07:50		20
Analytical Method: TPH by SW8015 Mod					Prep M	ethod: 1005		
		% Moist:			Tech:	ARM		
Analyst: ARM		Date Prep: 06	01 19 08 00		10011.	711(1)1		
Seq Number: 3090918			79064					
	CAS Number	1 1		SDI	Unito	Analysis	Flag	Dil Factor
Parameter		Result	MQL	SDL	Units	Date	riag	
Gasoline Range Hydrocarbons (GRO)	PHC610	1800	15.0	7.99	mg/kg	06.01.19 19:27		1
Diesel Range Organics (DRO)	C10C28DRO	2440	15.0	8.11	mg/kg	06.01.19 19:27	Ŧ	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	12.5 4250	15.0	8.11 7.99	mg/kg mg/kg	06.01.19 19:27 06.01.19 19:27	J	1
Total TPH	PHC635	4250		1.99	mg/kg	00.01.19 19.27		
Surrogate		% Recovery		Limits	Uni	ts Analysis	Date	Flag
Surrogate 1-Chlorooctane		126		70 - 1	35 %	,	Date	Flag
-		-			35 %	,	Date	Flag
1-Chlorooctane o-Terphenyl		126		70 - 1	35 % 35 %		Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B		126		70 - 1	35 %		Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM		126 106 % Moist:	5.06.19 15.50	70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B		126 106		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM	CAS Number	126 106 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572		126 106 % Moist: Date Prep: 06 Prep seq: 76	579454	70 - 1 70 - 1	35 % 35 % Prep M Tech:	ethod: 5030B SCM Analysis Date 06.07.19 00:51	Flag	c
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene	CAS Number	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454	0.00199 0.00199	70 - 1 70 - 1 SDL 0.000383 0.000454	35 % 35 % Prep M Tech: Units mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51	Flag U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene	CAS Number 71-43-2 108-88-3 100-41-4	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454 <0.000563	0.00199 0.00199 0.00199	70 - 1 70 - 1 SDL 0.000383 0.000454 0.000563	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51	Flag U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454 <0.000563 <0.00101	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51	Flag U U U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454 <0.000563 <0.00101 <0.000343	0.00199 0.00199 0.00199	70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101 0.000343	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51	Flag U U U U U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454 <0.000563 <0.00101	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51	Flag U U U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454 <0.000563 <0.00101 <0.000343 <0.000343	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101 0.000343 0.000343	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51	Flag U U U U U U U U U	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454 <0.000563 <0.00101 <0.000343 <0.000343	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 5DL 0.000383 0.000454 0.000563 0.00101 0.000343 0.000343	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51	Flag	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021B Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	126 106 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000383 <0.000454 <0.000563 <0.00101 <0.000343 <0.000343 <0.000343	MQL 0.00199 0.00199 0.00199 0.00199 0.00398	70 - 1 70 - 1 8DL 0.000383 0.000454 0.000563 0.00101 0.000343 0.000343 0.000343	35 % 35 % Prep M Tech: Units Units mg/kg m	ethod: 5030B SCM Analysis Date 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51 06.07.19 00:51	Flag	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id: S-4 0'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id: 625910-007		Date Collected	1: 05.29.19 10	.35	Date Re	eceived: 05.30.1	9 10.5	8
Analytical Method: Chloride by EPA 300					Prep M	ethod: E300P		
Analyst: CHE		% Moist:			Tech:	CHE		
Seq Number: 3091025		Date Prep: 06.	.03.19 15.40					
Seq Number. 5091025		Prep seq: 76'						
		Prep seq: 70	/90/0					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	39800	248	42.6	mg/kg	06.04.19 08:22		50
Analytical Method: TPH by SW8015 Mod					Prep M	ethod: 1005		
•		% Moist:			Tech:	ARM		
Analyst: ARM					Tech:	AKM		
Seq Number: 3090918		Date Prep: 06	.01.19 08.00					
		Prep seq: 76	79064					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	16.1	15.0	7.99	mg/kg	06.01.19 19:47		1
Diesel Range Organics (DRO)	C10C28DRO	54.9	15.0	8.11	mg/kg	06.01.19 19:47		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.11	15.0	8.11	mg/kg	06.01.19 19:47	U	1
Total TPH	PHC635	71.0		7.99	mg/kg	06.01.19 19:47		
Surrogate		% Recovery		Limits	Uni	•	Date	Flag
Surrogate 1-Chlorooctane		94		70 - 1	35 %	5	Date	Flag
_		•			35 %	5	Date	Flag
1-Chlorooctane o-Terphenyl		94		70 - 1	35 %		Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E		94		70 - 1	35 % 35 %		Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM		94 95 % Moist:	5.06.19 15.50	70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E		94 95 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572	CAS Number	94 95 % Moist: Date Prep: 06 Prep seq: 76	579454	70 - 1 70 - 1	35 % 35 % Prep M Tech:	iethod: 5030B SCM Analysis		Flag Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM		94 95 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	fethod: 5030B SCM	Date	J
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572		94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169	0.00200	70 - 1 70 - 1 SDL 0.000386	35 % 35 % Prep M Tech: Units mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 01:10		Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene	CAS Number 71-43-2 108-88-3	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234	0.00200 0.00200	70 - 1 70 - 1 SDL 0.000386 0.000457	35 % 35 % Prep M Tech: Units mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:10 06.07.19 01:10	Flag	Dil Factor 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene	CAS Number 71-43-2 108-88-3 100-41-4	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535	79454 MQL 0.00200 0.00200 0.00200	70 - 1 70 - 1 SDL 0.000386 0.000457 0.000566	35 % 35 % Prep M Tech: Units mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535 0.00990	0.00200 0.00200 0.00200 0.00200 0.00200 0.00401	70 - 1 70 - 1 SDL 0.000386 0.000457 0.000566 0.00102	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag	Dil Factor 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535 0.00990 0.00374	79454 MQL 0.00200 0.00200 0.00200	70 - 1 70 - 1 5DL 0.000386 0.000457 0.000566 0.00102 0.000345	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag	Dil Factor 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535 0.00990	0.00200 0.00200 0.00200 0.00200 0.00200 0.00401	70 - 1 70 - 1 SDL 0.000386 0.000457 0.000566 0.00102	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag	Dil Factor 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535 0.00990 0.00374 0.0136	0.00200 0.00200 0.00200 0.00200 0.00200 0.00401	70 - 1 70 - 1 70 - 1 5DL 0.000386 0.000457 0.000566 0.00102 0.000345 0.000345	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag	Dil Factor 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535 0.00990 0.00374 0.0136	0.00200 0.00200 0.00200 0.00200 0.00200 0.00401	70 - 1 70 - 1 70 - 1 5DL 0.000386 0.000457 0.000566 0.00102 0.000345 0.000345	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag J	Dil Factor 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535 0.00990 0.00374 0.0136 0.255	0.00200 0.00200 0.00200 0.00200 0.00200 0.00401	70 - 1 70 - 1 70 - 1 5DL 0.000386 0.000457 0.000566 0.00102 0.000345 0.000345 0.000345	35 % 35 % Prep M Tech: Units mg/kg	Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag J	Dil Factor 1 1 1 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total Sylenes Total BTEX Surrogate	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	94 95 % Moist: Date Prep: 06 Prep seq: 76 Result 0.00169 0.234 0.00535 0.00990 0.00374 0.0136 0.255 % Recovery	0.00200 0.00200 0.00200 0.00200 0.00200 0.00401	70 - 1 70 - 1 70 - 1 5DL 0.000386 0.000457 0.000566 0.00102 0.000345 0.000345 0.000345 0.000345 0.000345 0.000345	35 % 35 % Prep M Tech: Units Units mg/kg m	Analysis Date 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10 06.07.19 01:10	Flag J	Dil Factor 1 1 1 1 1



5

Certificate of Analytical Results



625910 Talon/LPE Co., Amarillo, TX

Sample Id: S-5 0'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id: 625910-008		Date Collected	l: 05.29.19 11	.00	Date Re	ceived: 05.30.1	9 10.5	8
Analytical Method: Chloride by EPA 300					Prep Me	ethod: E300P		
Analyst: CHE		% Moist:			Tech:	CHE		
5		Date Prep: 06.	03.19 15.40					
Seq Number: 3091025		Prep seq: 767						
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	41500	250	42.8	mg/kg	06.04.19 08:32		50
Analytical Method: TPH by SW8015 Mod					Prep M	ethod: 1005		
•		% Moist:			Tech:	ARM		
Analyst: ARM			01 10 00 00		reen.	AINW		
Seq Number: 3090918		Date Prep: 06.						
		Prep seq: 76	79064					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<7.97	14.9	7.97	mg/kg	06.01.19 20:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	15.7	14.9	8.10	mg/kg	06.01.19 20:06		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.10	14.9	8.10	mg/kg	06.01.19 20:06	U	1
Total TPH	PHC635	15.7		7.97	mg/kg	06.01.19 20:06		
Surrogate		% Recovery		Limits	Uni	its Analysis	Date	Flag
Surrogate		% Recovery 92		Limits 70 - 1		·	Date	Flag
-		-			35 %	,	Date	Flag
1-Chlorooctane o-Terphenyl		92		70 - 1	35 % 35 %		Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E		92 92		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooctane o-Terphenyl	i	92 92 % Moist:		70 - 1	35 % 35 %		Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E		92 92 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM		92 92 % Moist:		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM	CAS Number	92 92 % Moist: Date Prep: 06		70 - 1	35 % 35 % Prep M	ethod: 5030B	Date	Flag Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572		92 92 % Moist: Date Prep: 06 Prep seq: 76	79454	70 - 1 70 - 1	35 % 35 % Prep M Tech:	ethod: 5030B SCM Analysis		
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter	CAS Number	92 92 % Moist: Date Prep: 06 Prep seq: 76 Result	79454 MQL 0.00200 0.00200	70 - 1 70 - 1 SDL 0.000385 0.000456	35 % 35 % Prep M Tech: Units mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 01:29 06.07.19 01:29	Flag U J	Dil Factor
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene	CAS Number 71-43-2 108-88-3 100-41-4	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000385 0.00118 0.000820	79454 MQL 0.00200 0.00200 0.00200	70 - 1 70 - 1 SDL 0.000385 0.000456 0.000565	35 % 35 % Prep M Tech: Units mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29	Flag U J J	Dil Factor 1 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000385 0.00118 0.000820 <0.00101	79454 MQL 0.00200 0.00200 0.00200 0.00200 0.00400	70 - 1 70 - 1 SDL 0.000385 0.000456 0.000565 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29	Flag U J U	Dil Factor 1 1 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000385 0.00118 0.000820 <0.00101 0.000740	79454 MQL 0.00200 0.00200 0.00200	70 - 1 70 - 1 8DL 0.000385 0.000456 0.000565 0.00101 0.000344	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29	Flag U J U J J	Dil Factor 1 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000385 0.00118 0.000820 <0.00101	79454 MQL 0.00200 0.00200 0.00200 0.00200 0.00400	70 - 1 70 - 1 SDL 0.000385 0.000456 0.000565 0.00101	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29	Flag U J U	Dil Factor 1 1 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000385 0.00118 0.000820 <0.00101 0.000740 0.000740	79454 MQL 0.00200 0.00200 0.00200 0.00200 0.00400	70 - 1 70 - 1 8DL 0.000385 0.000456 0.000565 0.00101 0.000344 0.000344	35 % 35 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	ethod: 5030B SCM Analysis Date 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29	Flag U J U J J J	Dil Factor
1-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total Sylenes Total BTEX Surrogate	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000385 0.00118 0.000820 <0.00101 0.000740 0.000740 0.000740 0.00274	79454 MQL 0.00200 0.00200 0.00200 0.00200 0.00400	70 - 1 70 - 1 70 - 1 5DL 0.000385 0.000456 0.000565 0.00101 0.000344 0.000344 0.000344 0.000344 Limits	35 % 35 % Prep M Tech: Units mg/kg	Tethod: 5030B SCM SCM 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29	Flag U J U J J J	Dil Factor 1 1 1 1
I-Chlorooctane o-Terphenyl Analytical Method: BTEX by EPA 8021E Analyst: SCM Seq Number: 3091572 Parameter Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Total Xylenes Total BTEX	CAS Number 71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	92 92 92 % Moist: Date Prep: 06 Prep seq: 76 Result <0.000385 0.00118 0.000820 <0.00101 0.000740 0.000740	79454 MQL 0.00200 0.00200 0.00200 0.00200 0.00400	70 - 1 70 - 1 8DL 0.000385 0.000456 0.000565 0.00101 0.000344 0.000344	35 % 35 % Prep M Tech: Units Units mg/kg m	ethod: 5030B SCM Analysis Date 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 06.07.19 01:29 its Analysis	Flag U J U J J J	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id:	S-5 1'		Matrix:	Soil		Sample	Depth:		
Lab Sample Id	: 625910-009		Date Collected	1: 05.29.19 11	.15	Date Re	eceived: 05.30.1	9 10.5	8
Analytical Me	thod: Chloride by EPA 300					Prep M	ethod: E300P		
Analyst:	CHE		% Moist:			Tech:	CHE		
Seq Number:	3091025		Date Prep: 06.	03.19 15.40					
1			Prep seq: 76	79076					
Parameter	r	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride		16887-00-6	4530	49.7	8.53	mg/kg	06.04.19 11:22		10
Analytical Me	thod: TPH by SW8015 Mod					Prep M	ethod: 1005		
Analyst:	ARM		% Moist:			Tech:	ARM		
Seq Number:	3091576		Date Prep: 06	.04.19 17.00					
Seq Number.	5091570		Prep seq: 76						
Parameter	r	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline B	Range Hydrocarbons (GRO)	PHC610	14.6	15.0	7.99	mg/kg	06.07.19 08:51	J	1
	ge Organics (DRO)	C10C28DRO	853	15.0	8.11	mg/kg	06.07.19 08:51		1
	ange Hydrocarbons (MRO)	PHCG2835	162	15.0	8.11	mg/kg	06.07.19 08:51		1
Total TPH	[PHC635	1030		7.99	mg/kg	06.07.19 08:51		
Surrogate			% Recovery		Limits	Uni	its Analysis	Date	Flag
Surrogate 1-Chlorooc o-Terphen	ctane		% Recovery 90 78		Limits 70 - 1 70 - 1	135 %	Ď	Date	Flag
1-Chlorood	ctane		90		70 - 1	135 % 135 %	, 0 0		Flag
1-Chlorooc o-Terpheny	ctane yl ethod: BTEX by EPA 8021B		90 78		70 - 1	135 % 135 % Prep M	iethod: 5030B		Flag
1-Chlorooc o-Terpheny	ctane yl		90 78 % Moist:		70 - 1	135 % 135 %	, 0 0		Flag
1-Chlorooc o-Terphen Analytical Me	ctane yl ethod: BTEX by EPA 8021B		90 78 % Moist: Date Prep: 06		70 - 1	135 % 135 % Prep M	iethod: 5030B		Flag
1-Chlorood o-Terpheny Analytical Me Analyst:	ctane yl ethod: BTEX by EPA 8021B SCM		90 78 % Moist:		70 - 1	135 % 135 % Prep M	fethod: 5030B		
1-Chlorood o-Terpheny Analytical Me Analyst:	ctane yl ethod: BTEX by EPA 8021B SCM 3091572	CAS Number	90 78 % Moist: Date Prep: 06		70 - 1	135 % 135 % Prep M	iethod: 5030B		Flag Dil Factor
1-Chlorood o-Terpheny Analytical Me Analyst: Seq Number:	ctane yl ethod: BTEX by EPA 8021B SCM 3091572	CAS Number 71-43-2	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699	0.00200	70 - 1 70 - 1 SDL 0.000384	135 % 135 % Prep M Tech: Units mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:48	Flag	Dil Factor
1-Chlorood o-Terpheny Analytical Me Analyst: Seq Number: Paramete	ctane yl ethod: BTEX by EPA 8021B SCM 3091572	71-43-2 108-88-3	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739	0.00200 0.00200	70 - 1 70 - 1 SDL 0.000384 0.000455	135 % 135 % Prep M Tech: Units mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:48 06.07.19 01:48	Flag J J	Dil Factor
1-Chlorood o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze	ethod: BTEX by EPA 8021B SCM 3091572 er	71-43-2 108-88-3 100-41-4	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739 <0.000564	79454 MQL 0.00200 0.00200 0.00200	70 - 1 70 - 1 SDL 0.000384 0.000455 0.000564	135 % 135 % Prep M Tech: Units mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48	Flag J J U	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylen	ethod: BTEX by EPA 8021B SCM 3091572 er	71-43-2 108-88-3 100-41-4 179601-23-1	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739 <0.000564 <0.00101	MQL 0.00200 0.00200 0.00200 0.00200 0.00399	70 - 1 70 - 1 5DL 0.000384 0.000455 0.000564 0.00101	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48	Flag J J U U	Dil Factor 1 1 1
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene o-Xylene	ethod: BTEX by EPA 8021B SCM 3091572 er ene	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739 <0.000564 <0.00101 <0.000344	79454 MQL 0.00200 0.00200 0.00200	70 - 1 70 - 1 SDL 0.000384 0.000455 0.000564	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48	Flag J J U	Dil Factor
1-Chlorooc o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylen	ethod: BTEX by EPA 8021B SCM 3091572 er ene tes enes	71-43-2 108-88-3 100-41-4 179601-23-1	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739 <0.000564 <0.00101	MQL 0.00200 0.00200 0.00200 0.00200 0.00399	70 - 1 70 - 1 5DL 0.000384 0.000455 0.000564 0.00101 0.000344	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg	Tethod: 5030B SCM Analysis Date 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48	Flag J J U U U	Dil Factor 1 1 1
1-Chlorood o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene o-Xylene Total Xyle Total BTH	ethod: BTEX by EPA 8021B SCM 3091572 er ene tes EX	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739 <0.000564 <0.00101 <0.000344 <0.000344	MQL 0.00200 0.00200 0.00200 0.00200 0.00399	70 - 1 70 - 1 8DL 0.000384 0.000455 0.000564 0.00101 0.000344 0.000344	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg	Lethod: 5030B SCM Analysis Date 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48	Flag J J U U U J J	Dil Factor 1 1 1
1-Chlorood o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene Total Xyle Total BTH Surrogate	ethod: BTEX by EPA 8021B SCM 3091572 er ene les enes EX	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739 <0.000564 <0.00101 <0.000344 <0.000344 0.00144	MQL 0.00200 0.00200 0.00200 0.00200 0.00399	70 - 1 70 - 1 70 - 1 5DL 0.000384 0.000455 0.000564 0.00101 0.000344 0.000344 0.000344 0.000344 Limits	135 % 135 % Prep M Tech: Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Iethod: 5030B SCM SCM Analysis Date 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48	Flag J J U U U J J	Dil Factor
1-Chlorood o-Terpheny Analytical Me Analyst: Seq Number: Paramete Benzene Toluene Ethylbenze m,p-Xylene o-Xylene Total Xyle Total BTH Surrogate 1,4-Difluc	ethod: BTEX by EPA 8021B SCM 3091572 er ene tes EX	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	90 78 % Moist: Date Prep: 06 Prep seq: 76 Result 0.000699 0.000739 <0.000564 <0.00101 <0.000344 <0.000344 0.00144	MQL 0.00200 0.00200 0.00200 0.00200 0.00399	70 - 1 70 - 1 8DL 0.000384 0.000455 0.000564 0.00101 0.000344 0.000344	135 % 135 % Prep M Tech: Units Mg/kg	Iethod: 5030B SCM SCM Analysis Date 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48 06.07.19 01:48	Flag J J U U U J J	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id: 7679064-1-BLK		Matrix:	Solid		Sample	Depth:		
Lab Sample Id: 7679064-1-BLK		Date Collecte	d:		Date R	eceived:		
Analytical Method: TPH by SW8015 Mod	1				Prep M	ethod: 1005		
Analyst: ARM		% Moist:			Tech:	ARM		
Seq Number: 3090918		Date Prep: 06	.01.19 08.00					
		Prep seq: 76	79064					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<8.00	15.0	8.00	mg/kg	06.01.19 12:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<8.13	15.0	8.13	mg/kg	06.01.19 12:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.13	15.0	8.13	mg/kg	06.01.19 12:11	U	1
Total TPH	PHC635	<8.00		8.00	mg/kg	06.01.19 12:11	U	
Surrogate		% Recovery		Limits	Un	its Analysis	Date	Flag
		•						
1-Chlorooctane o-Terphenyl		96 96		70 - 1 70 - 1				
			Solid		135 %			
o-Terphenyl		96			135 % Sample	, D		
o-Terphenyl Sample Id: 7679076-1-BLK		96 Matrix:			135 % Sample	b Depth: eceived:		
o-Terphenyl Sample Id: 7679076-1-BLK Lab Sample Id: 7679076-1-BLK		96 Matrix:			135 % Sample Date R	b Depth: eceived:		
o-Terphenyl Sample Id: 7679076-1-BLK Lab Sample Id: 7679076-1-BLK Analytical Method: Chloride by EPA 300		96 Matrix: Date Collecte	d:		135 % Sample Date R Prep M	b Depth: eceived: lethod: E300P		
o-Terphenyl Sample Id: 7679076-1-BLK Lab Sample Id: 7679076-1-BLK Analytical Method: Chloride by EPA 300 Analyst: CHE		96 Matrix: Date Collecte % Moist:	d: 5.03.19 15.40		135 % Sample Date R Prep M	b Depth: eceived: lethod: E300P		
o-Terphenyl Sample Id: 7679076-1-BLK Lab Sample Id: 7679076-1-BLK Analytical Method: Chloride by EPA 300 Analyst: CHE	CAS Number	96 Matrix: Date Collecte % Moist: Date Prep: 06	d: 5.03.19 15.40		135 % Sample Date R Prep M	b Depth: eceived: lethod: E300P	Flag	Dil Factor





625910

Talon/LPE Co., Amarillo, TX

Sample Id:	7679449-1-BLK		Matrix:	Solid		Sample	Depth:		
Lab Sample Id	l: 7679449-1-BLK		Date Collecte	:d:		Date R	eceived:		
Analytical Me	thod: TPH by SW8015 Mod	ł				Prep M	ethod: 1005		
Analyst:	ARM		% Moist:			Tech:	ARM		
Seq Number:	3091576		Date Prep: 06	5.04.19 17.00					
beq Mullioer.	5071570		Prep seq: 76						
Parameter	r	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline R	ange Hydrocarbons (GRO)	PHC610	<8.00	15.0	8.00	mg/kg	06.07.19 00:38	U	1
Diesel Ran	ge Organics (DRO)	C10C28DRO	<8.13	15.0	8.13	mg/kg	06.07.19 00:38	U	1
Motor Oil Ra	ange Hydrocarbons (MRO)	PHCG2835	<8.13	15.0	8.13	mg/kg	06.07.19 00:38	U	1
Total TPH		PHC635	<8.00		8.00	mg/kg	06.07.19 00:38	U	
Surrogate			% Recovery		Limits	Un	its Analysis	Date	Flag
1-Chlorooc o-Terpheny			99 93		70 - 1 70 - 1				
Sample Id:	7679454-1-BLK		Matrix:	Solid		Sample	e Depth:		
Lab Sample Io	d: 7679454-1-BLK		Date Collecte	ed:		Date R	eceived:		
Analytical Me	ethod: BTEX by EPA 8021E	3				Prep M	lethod: 5030B		
Analyst:	SCM		% Moist:			Tech:	SCM		
Seq Number:	3091572		Date Prep: 06	5.06.19 15.50					
			Prep seq: 76	579454					
Paramete	:r	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene		71-43-2	<0.000386	0.00201	0.000386	mg/kg	06.06.19 20:06	U	1
Toluene		108-88-3	<0.000457	0.00201	0.000457	mg/kg	06.06.19 20:06	U	1
Ethylbenze	ene	100-41-4	<0.000567	0.00201	0.000567	mg/kg	06.06.19 20:06	U	1
m,p-Xylen	es	179601-23-1	< 0.00102	0.00402	0.00102	mg/kg	06.06.19 20:06	U	1
o-Xylene		95-47-6	<0.000346	0.00201	0.000346	mg/kg	06.06.19 20:06	U	1
Total Xyle		1330-20-7	<0.000346		0.000346	mg/kg	06.06.19 20:06	υ	
Total BTE	v		<0.000346		0.000346	mg/kg	06.06.19 20:06	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	87	70 - 130 70 - 130	% %		
4-Bromofluorobenzene	84	70 - 130	70		



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 OA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

- RL Reporting Limit
- MDL Method Detection Limit
 SDL
 Sample Detection Limit
 LOD Limit of Detection
- PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation
- **DL** Method Detection Limit
- NC Non-Calculable

SMP Clie	ent Sample	BLK	Method Blank	
BKS/LCS	S Blank Spike/Laboratory Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labo	ratory 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



Form 2 - Surrogate Recoveries

Project Name: WRLU Water Station #1

ork Orders : 625910,	Sample: 7679454-1-BKS / F	3KS Batch	-	: 701307.12 Solid	0.01	
Lab Batch #: 3091572 Units: mg/kg	Date Analyzed: 06/06/19 18:26		ROGATE RE		STUDY	
	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes			[0]		
1,4-Difluorobenzene		0.0293	0.0300	98	70-130	
4-Bromofluorobenzene		0.0290	0.0300	97	70-130	
Lab Batch #: 3091572	Sample: 7679454-1-BSD / H					
Units: mg/kg	Date Analyzed: 06/06/19 18:47	SUI	RROGATE RE	COVERY S	STUDY	
BTEX	K by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes	0.0208	0.0300	103	70-130	
1,4-Difluorobenzene		0.0308	0.0300	103	70-130	
4-Bromofluorobenzene					/0150	
Lab Batch #: 3091572	Sample: 626041-001 S / MS		n: 1 Matrix: RROGATE RE		TUDY	
Units: mg/kg	Date Analyzed: 06/06/19 19:07	501	RRUGATE RE			
BTE?	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	Analytes	0.0306	0.0300	102	70-130	
4-Bromofluorobenzene		0.0300	0.0300	102	70-130	
	a (20041-001 SD /)					
Lab Batch #: 3091572	Sample: 626041-001 SD / M		h: 1 Matrix: RROGATE RI		STUDY	
Units: mg/kg	Date Analyzed: 06/06/19 19:27	50.	KROGATE RI		1	
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes			[0]		
1,4-Difluorobenzene		0.0308	0.0300	103	70-130	
4-Bromofluorobenzene		0.0244	0.0300	81	70-130	
Lab Batch #: 3091572	Sample: 7679454-1-BLK /					
Units: mg/kg	Date Analyzed: 06/06/19 20:06	SU	RROGATE RI	ECOVERY	STUDY	
BTE	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes					
1,4-Difluorobenzene		0.0262	0.0300	87	70-130	
4-Bromofluorobenzene		0.0253	0.0300	84	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: WRLU Water Station #1

ork Orders : 625910			0	:701307.12	0.01	
Lab Batch #: 3090918	Sample: 7679064-1-BLK / I					
Units: mg/kg	Date Analyzed: 06/01/19 12:11	SUI	RROGATE RE	COVERYS		
TPH	oy SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Analytes			[12]		
1-Chlorooctane		95.5	100	96	70-135	
o-Terphenyl		47.9	50.0	96	70-135	
Lab Batch #: 3090918	Sample: 7679064-1-BKS / 1					
Units: mg/kg	Date Analyzed: 06/01/19 12:31	SU	RROGATE RE	COVERY S	STUDY	
ТРН	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Analytes	124	100	124	70-135	
o-Terphenyl		51.7	50.0	103	70-135	
Lab Batch #: 3090918	Sample: 7679064-1-BSD / 1		h: 1 Matrix: RROGATE RE		STUDY	
Units: mg/kg	Date Analyzed: 06/01/19 12:50				1 1	
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		122	100	122	70-135	
o-Terphenyl		52.3	50.0	105	70-135	
Lab Batch #: 3090918	Sample: 625765-001 S / MS	S Bate	h: 1 Matrix:	Soil	········	
Units: mg/kg	Date Analyzed: 06/01/19 13:30		RROGATE RI	COVERY	STUDY	
	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		127	99.6	128	70-135	
o-Terphenyl		49.7	49.8	100	70-135	
Lab Batch #: 3090918	Sample: 625765-001 SD / I	MSD Bate	h: 1 Matrix	Soil		
Units: mg/kg	Date Analyzed: 06/01/19 13:49	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		113	99.8	113	70-135	
o-Terphenyl	alle and a second and a second and a second a s	47.4	49.9	95	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: WRLU Water Station #1

/ork Orders : 625910, Lab Batch #: 3091576	Sample: 7679449-1-BLK / I	3LK Batch	8): 701307.12 ⁴ Solid	0.01	
Units: mg/kg	Date Analyzed: 06/07/19 00:38		RROGATE RE		STUDY	
	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		99.4	100	99	70-135	
o-Terphenyl		46.6	50.0	93	70-135	
Lab Batch #: 3091576	Sample: 7679449-1-BKS / I	BKS Batch	n: 1 Matrix:	Solid		
Units: mg/kg	Date Analyzed: 06/07/19 01:02	SU	RROGATE RI	ECOVERY S	STUDY	
ТРН І	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		95.3	100	95	70-135	
o-Terphenyl	<u></u>	49.1	50.0	98	70-135	
Lab Batch #: 3091576	Sample: 7679449-1-BSD / 1	BSD Batel	n: ¹ Matrix	: Solid		
Units: mg/kg	Date Analyzed: 06/07/19 01:27		RROGATE RI		STUDY	
	by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		91.4	100	91	70-135	
o-Terphenyl		48.4	50.0	97	70-135	
Lab Batch #: 3091576	Sample: 625896-001 S / MS					
Units: mg/kg	Date Analyzed: 06/07/19 02:16	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		85.0	99.9	85	70-135	
o-Terphenyl		39.8	50.0	80	70-135	
Lab Batch #: 3091576	Sample: 625896-001 SD / N	MSD Bate	h: 1 Matrix	:Soil		
Units: mg/kg	Date Analyzed: 06/07/19 02:40	SU	RROGATE R	ECOVERY	STUDY	
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	4 xmmly toy	78.0	99.8	78	70-135	
			1 77.0			

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: WRLU Water Station #1

Vork Order #: 625910							Proj	ect ID: ´	701307.120	.01			
analyst: SCM	D	ate Prepar	ed: 06/06/201	9			Date A	nalyzed: (6/06/2019				
ab Batch ID: 3091572 Sample: 7679454-1	-BKS	S Batch #: 1					Matrix: Solid						
Jnits: mg/kg		BLAN	K/BLANK	SPIKE / I	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	DΥ			
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag		
Benzene	<0.000384	0.0998	0.103	103	0.101	0.107	106	4	70-130	35	1		
Toluene	<0.000455	0.0998	0.102	102	0.101	0.105	104	3	70-130	35			
Ethylbenzene	<0.000564	0.0998	0.112	112	0.101	0.115	114	3	70-130	35			
m,p-Xylenes	< 0.00101	0.200	0.227	114	0.201	0.234	116	3	70-130	35			
o-Xylene	<0.000344	0.0998	0.109	109	0.101	0.114	113	4	70-130	35			
Analyst: CHE	D	ate Prepar	ed: 06/03/20	19	1		Date A	nalyzed:	06/04/2019				
_ab Batch ID: 3091025 Sample: 7679076-	I-BKS	Batel	h#: 1					Matrix:	Solid				
Jnits: mg/kg		BLAN	K /BLANK	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	ΟY			
Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag		
Chloride	<0.858	250	245	98	250	245	98	0	90-110	20			

Relative Percent Difference RPD = $200^{*}[(C-F)/(C+F)]$ Blank Spike Recovery [D] = $100^{*}(C)/[B]$ Blank Spike Duplicate Recovery [G] = $100^{*}(F)/[E]$ All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries



Project Name: WRLU Water Station #1

Work Orde	r#: 625910								Proj	ect ID:	701307.120	.01	
Analyst:	ARM		Date Prepared: 06/01/2019				Date Analyzed: 06/01/2019						
Lab Batch ID	D: 3090918	Sample: 7679064-1-	1-BKS Batch #: 1				Matrix: Solid						
Units:	mg/kg			BLAN	K /BLANK	SPIKE / I	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	ŊΥ	
	TPH by SW8015	Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Anal	ytes Range Hydrocarbons (GRO))	<8.00	1000	1170	117	1000	1200	120	3	70-135	20	
												20	
Diesel Ra	ange Organics (DRO)		<8.13	1000	1140	114	1000	1170	117	3	70-135	20	L
Analyst:	ARM		D	ate Prepar	ed: 06/04/20	19			Date A	nalyzed:	06/07/2019		
Lab Batch II	D: 3091576	Sample: 7679449-1-	-BKS	Bate	h#: 1					Matrix:	Solid		
Units:	mg/kg			BLAN	K/BLANK	SPIKE / 1	BLANK S	SPIKE DUP	LICATE	RECOV	ERY STUI	ΟY	
	TPH by SW8015	Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Anal	lytes			1-1	. = j	,	1.29						
Gasoline	Range Hydrocarbons (GRO))	<8.00	1000	916	92	1000	899	90	2	70-135	20	
Diesel R	ange Organics (DRO)		<8.13	1000	918	92	1000	889	89	3	70-135	20	

Relative Percent Difference RPD = $200^{*}[(C-F)/(C+F)]$ Blank Spike Recovery [D] = $100^{*}(C)/[B]$ Blank Spike Duplicate Recovery [G] = $100^{*}(F)/[E]$ All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries



Project Name: WRLU Water Station #1

Work Order # : 625910						Project II	b: 701307	.120.01			
Lab Batch ID: 3091572	QC- Sample ID:	626041-	001 S	Ba	tch #:	l Matrix	: Soil				
Date Analyzed: 06/06/2019	Date Prepared:	06/06/20	019	An	alyst: S	СМ					
Reporting Units: mg/kg		М	ATRIX SPIKI	E / MAT	RIX SPI	KE DUPLICA	TE RECO	OVERY	STUDY		
BTEX by EPA 8021B	Parent Sample Result [A]	Spike Added	Spiked Sample Result [C]	Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]		[D]	[E]		[6]				
Benzene	0.000466	0.100	0.0747	74	0.101	0.0675	66	10	70-130	35	Х
Toluene	0.000913	0.100	0.0583	57	0.101	0.0572	56	2	70-130	35	X
Ethylbenzene	<0.000566	0.100	0.0496	50	0.101	0.0493	49	1	70-130	35	Х
m,p-Xylencs	<0.00102	0.200	0.0970	49	0.202	0.0947	47	2	70-130	35	х
o-Xylene	0.000397	0.100	0.0478	47	0.101	0.0477	47	0	70-130	35	Х
Lab Batch ID: 3091025	QC- Sample ID:	626108	-001 S	Ba	tch #:	l Matrix	c: Soil				
Date Analyzed: 06/04/2019	Date Prepared:	06/03/2	019	An	alyst: (CHE					
Reporting Units: mg/kg		Μ	ATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]	[C]	[D]	[E]		[G]				
Chloride	418	250	671	101	250	671	101	0	90-110	20	
Lab Batch ID: 3091025	QC- Sample ID:	626110	-002 S	Ba	tch #:	1 Matri:	x: Soil				
Date Analyzed: 06/04/2019	Date Prepared:	06/03/2	019	An	alyst: (CHE					
Reporting Units: mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
Chloride by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	Addea [B]		76R [D]	E]	Kesun [F]	[G]				
Chloride	4.68	250	264	104	250	263	103	0	90-110	20	

Matrix Spike Percent Recovery $[D] = 100^{\circ}(C-A)/B$ Relative Percent Difference $RPD = 200^{\circ}[(C-F)/(C+F)]$

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

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries



Project Name: WRLU Water Station #1

Work Order # :	625910						Project II): 701307	7.120.01			
Lab Batch ID:	3090918	QC- Sample ID:	625765-	-001 S	Ba	tch #:	l Matrix	: Soil				
Date Analyzed:	06/01/2019	Date Prepared:	06/01/2	019	An	alyst: A	ARM					
Reporting Units:	mg/kg		М	ATRIX SPIKI	E / MAT	RIX SPI	KE DUPLICA'	TE REC	OVERY	STUDY		
r	TPH by SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Sample	Spike	Duplicate Spiked Sample	Spiked Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
	Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Gasoline Range I	Hydrocarbons (GRO)	835	996	1740	91	998	1720	89	1	70-135	20	
Diesel Range Or	ganics (DRO)	1200	996	2070	87	998	2050	85	1	70-135	20	
Lab Batch ID:	3091576	QC- Sample ID:	625896	-001 S	Ba	tch #:	1 Matrix	c: Soil				
Date Analyzed:	06/07/2019	Date Prepared:	06/04/2	019	An	alyst: A	ARM					
Reporting Units:	mg/kg		Μ	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY		
J	(PH by SW8015 Mod	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
	Analytes	[A]	[B]	[~]	[D]	[E]	[2]	[G]				
Gasoline Range	Hydrocarbons (GRO)	13.5	999	816	80	998	788	78	3	70-135	20	
Diesel Range Or	ganics (DRO)	<8.12	999	831	83	998	810	81	3	70-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*(C-F)/(C+F)|

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

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Pervised Date 051418 Rev. 2018.	
	ie the way of the second secon
Date/Time Relinquished by: (Signature)	Relinguished by: (Signature) Received by: (Signature)
losses or expenses incurred by the client if such losses are due to circumstances beyond the control bmitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	of service. Sence will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.
lient company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	Notice: Signature of this document and relinguishment of samples constitutes a valid purchase order from o
Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr II Sn U V Zn Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U 1631/245.1/7470 /7471 :Hg	Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA
	5-5-1' 1115
	5-5 0' 1100
	5~4 0' 1020 1
	2-3 1' 2:01
	5-2 0' 11 1000 11
	5-11'
	5-10 50:1 5/29/19 0930 1
To Sample Comments	Sample Identification Matrix Sampled Sampled Depth B
PH The and the served by 4:30pm	Sample Custody Seals: Yes Work N/A Total Containers: 9
TAT starts the day received by the	Yes Alo N/A Correction Factor:
	(res) No IV
х	Temperature (°C): $U \leq U \leq 1$ Thermometer w_{C}
	SAMPLE RECEIPTTemp_Blank: Yes (No) Wet Ice: Ves No
	Sampler's Name: Brandon Sinclair Due Date:
2 5	P.O. Number: 701307,120.01 Rush:
	Project Number: 701307.120,01 Routine 🛛
ANALYSIS REQUEST Work Order Notes	Project Name: WRLY Water Station#1 Turn Around
Deliverables: EDD ADaPT C Other:	Phone: 575-746-8768 Email
Reporting:Level II Level III PST/UST TRRP Level IV	City, State ZIP: Artesia, NM 88210 City, State ZIP:
State of Project:	Address: 408 W Texas Ave Address
Program: UST/PST PRP Brownfields RRC Superfund	Company Name: Taloh LPE Company Name:
Work Order Comments	Project Manager: Chris Jones Bill to: (It different)
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) www.xenco.com Page of	Hobbs,NM (575-392-7550) Phoenix,AZ (480
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	Houston,TX (281) 240-4200 Dall Midland,TX (432-704-5440) EL
Chain of Custody Work Order No: WO (1)	



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Talon/LPE Co.	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 05/30/2019 10:58:00 AM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 625910	Temperature Measuring device used:R8
Sample Rece	ipt 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 container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6*Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	Νο
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/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 test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	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 Brianna Teel Checklist reviewed by: Jessica Kramer

Date: 05/30/2019

Date: 05/31/2019