



Remediation and Closure Report

Malco B Federal Battery NMPA1827465907- * 2RP-4989

Prepared For:

Lime Rock Resources 1111 Bagby Street Suite 4600 Houston, TX 77002

Prepared By:

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

March 28, 2019

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

Subject: Remediation and Closure Report Malco B Federal Battery NMAP1827465258- * 2RP-4989

Dear Mr. Bratcher,

Lime Rock Resources (Lime Rock) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Site Information

The Malco B Fed Battery is located approximately fourteen (14) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter B, Section 06, Township 18 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.7794 North and - 104.3168 West.

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 land and Gypsum land-Cottonwood complex with 0 to 3 percent slopes. The local surface and shallow geology are middle to lower Pleistocene in age and is comprised of alluvial deposits. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

The New Mexico Office of the State Engineer database indicates that the nearest groundwater is below 50-feet below ground surface (BGS). See Appendix II for the referenced groundwater data.

Therefore the ranking for this site is a 20 based on the following:

Depth to groundwater<50'</th>Wellhead Protection Area>1000'Distance to surface water body>1000'

Based upon the site ranking of 20, the New Mexico Oil and Conservation Division (NMOCD) Recommended Remedial Action Levels (RRAL) 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 and Initial Remedial Actions

On September 12, 2018, a 3-inch nipple connecting the header to the horizontal separator developed a hole resulting in the release of 200 barrels of mixed fluids onto the location breaching the berm and flowing into the pasture. An emergency one call was made, vacuum trucks, roustabout crews, a backhoe, dump trucks, and Talon personnel were dispatched to the site. The header was isolated, repairs were made, and 160 barrels of fluids were recovered. The roustabout crew began hand excavating around the equipment and lines. The backhoe started pushing up the contamination and initially disposed of 62 tons to Lea Land, LLC, an NMOCD approved facility. A site plan is presented in Appendix I.

On September 12, 2018, Talon mobilized personnel to begin the site assessment and soil sampling activities. Grab soil samples were collected utilizing a hand auger and backhoe until depths at which hard rock refusal was encountered. The analytical results are presented in the following data table.

Laboratory Results

See Appendix III for a complete report of laboratory results.

Sample	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)
S-1	0.5	ND	2900	ND	ND	ND
	1	ND	3500	ND	ND	ND
	2	ND	3900	ND	ND	ND
S-2	0.5	ND	5000	ND	670	370
	1	ND	2600	ND	290	140
	2	ND	2400	ND	230	110
	1.1	C-124	stady and start of		El metro de la	
S-3	0.5	ND	230	ND	510	200
	1	ND	210	ND	ND	ND
	2	ND	560	ND	ND	ND
					And the set	
S-4	0.5	ND	3700	ND	ND	ND
	1	ND	1200	ND	ND	ND
	2	ND	2500	ND	ND	ND
	A CONTRACT OF A				的是有法公的资源	
S-5	1	ND	12000	ND	ND	ND
	2	ND	1900	ND	ND	ND
Seren .		A STATE OF				a strange
S-6	1	ND	6400	ND	ND	ND

September 12, 2018, Soil Sample Analysis

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)
S-7	1	ND	11000	ND	13	ND
S-8	0.5	1.6	24000	37	440	160
S-9	1	ND	720	ND	750	400
S-10	0	ND	ND	ND	ND	ND
	0.5	ND	ND	ND	ND	ND

ND- Analyte Not Detected

On September 13, 2018, Lime Rock continued the clean-up process around the equipment, lines, and location with their roustabout crew, backhoe, and dump trucks. Approximately 174 tons of impacted material was subsequently hauled to Lea Land.

On September 18-19, 2018, Lime Rock dispatched a hydrovac to excavate around the header and flowlines.

The location was completely excavated to depths of 2.5-feet deep and reconstructed by others. Additional sampling and excavation activities continued in the flow paths off location.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (mg/kg)
S-11	0	ND	ND	ND	ND	ND
	0.5	ND	ND	ND	ND	ND
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				1212-1323-144		
S-12	0	ND	31	ND	ND	69
	0.5	ND	ND	ND	ND	ND
						The second second
S-13	0	ND	ND	ND	ND	ND
	1	ND	380	ND	ND	ND
						States and the state
S-14	0	ND	160	ND	ND	ND
	1	ND	ND	ND	ND	ND
		A Statistics				State State
S-15	0	ND	1700	ND	ND	ND
0.0	1	ND	1700	ND	ND	ND
S-16	0	ND	55	ND	14	50
0.10			The second second		A STATE OF THE STATE	

December 5, 2018, Soil Sample Analysis

Page | 4

Sample	Depth	BTEX	Chlorides	TPH GRO	TPH DRO	TPH EXT
ID	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S-17	0	ND	14000	ND	120	110
	1	ND	9200	ND	ND	ND
	2	ND	8600	ND	50	ND
	2.5	ND	8700	ND	ND	ND
C 10	0	ND	250	ND	ND	ND
S-18	0.5	ND	920	ND	ND	ND
STATISTICS IN STREET	0.5	ND	520	THE		
S-19	0	ND	9600	ND	ND	ND
5-13	1	ND	8800	ND	ND	ND
	2	ND	5300	ND	ND	ND
	2.5	ND	5100	ND	ND	ND
	2.0	and the target				
S-20	3	ND	8200	ND	ND	ND
			E.V. B.	State of the Local State		建作生成 为学生
S-21	2.5	ND	190	ND	ND	ND
	3	ND	110	ND	ND	ND
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						
S-22	3	ND	66	ND	ND	ND
and the second second						
S-23	2	ND	1200	ND	2300	890
The second second		The states of	No Astrophy 1			
S-24	2.5	ND	250	ND	ND	ND
-	3	ND	84	ND	ND	ND
	3.5	ND	97	ND	ND	ND
					10	ND
S-25	0	ND	6500	ND	43	ND
	1	ND	11000	ND	ND	ND
	2	ND	3100	ND	ND	ND
	-	NID	22	ND	11	ND
S-26	0	ND	33	ND	ND	ND
	1	ND	61			ND
C 07	0	ND	14000	ND	23	ND
S-27	0	ND	5600	ND	ND	ND
	1	ND	6100	ND	ND	ND
	3	ND	8500	ND	ND	ND
	3.5	ND	9700	ND	ND	ND
	3.5	ND	9400	ND	ND	ND
12 2 10 Kate	4		5-700	110		
S-28	0	ND	2000	ND	ND	ND
5-20	1	ND	9600	ND	ND	ND

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (mg/kg)
S-28	2	ND	9700	ND	ND	ND
0-20	3	ND	4500	ND	ND	ND

ND- Analyte Not Detected

On December 21, 2018, Talon personnel returned to the location to obtain additional vertical and horizontal soil samples. The analytical results are presented in the following data table.

	Depth	BTEX	mple Analysis Chlorides	TPH GRO	TPH DRO	TPH EXT
Sample ID	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S-17	3		3120			
0 11	4		64			
Statist 3						
S-18	1		80			
S-23	3		32			
S-29	0		<16.0			
	1		<16.0			
12 22.3		A STATE OF THE			A CARLARY MARTIN	
S-30	0		<16.0			
	1		32			
Star Manna			0.4		ALTER ALTER AND	
S-31	0		64			A State of the second
0.00	0		16			
S-32	0		560			
	Card and the second		000			
S-33	0		<16.0			
3-00	1		32			
Part of the second		The state of the state of	A State Light	South The Part of the		
S-34	0		<16.0			
007	1		<16.0			

December 21, 2018, Soil Sample Analysis

(--) Analyte Not Tested

On January 15, 2019, Talon personnel returned to the location with a rotary drill rig to obtain borehole samples that were accessible with overhead power lines and flow lines. The analytical results are presented in the following data table.

Sample	Depth	BTEX	Chlorides	TPH GRO	TPH DRO	TPH EXT
ID	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
B-1	3		130			
	4		71			
	6		45			
	8		ND			
	10		ND			
	1 Tet 1					ND
B-2	3		290	ND	ND	ND
	5		150	ND	ND	ND
	10		ND	ND	ND	ND
Carl Carl				and the second		
B-3	3		5700			
	5		210			
	7		200			
	10		51			
			a the same			
B-4	3		110			
	5		55			
	7		ND			
	10		ND			
25.55		and the same of the				
B-5	3		38			
	5		49			
	7		30			
	10		ND			
			Carlos and the second		and the stand	
B-6	3		470			
	5		1300			
	7		290			
	10		ND			
S. Starting				2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	The second second	
B-7	3		74			
	5		ND			
	7		39			
	10		35			

January 15, 2019, Drill Rig Soil Sample Analysis

(--) Analyte Not Tested

Remedial Actions Taken

- The impacted areas in the vicinity of S-1 through S-4 (location) were excavated to a depth of 2.5-feet deep.
- All impacted areas in the pasture were excavated to depths where vertical delineation samples were below NMOCD RRAL's or to depths at which hard rock refusal with an excavator was encountered.
- An air rotary drilling rig was mobilized and seven (7) borings (B1 thru B7) were advanced thru the rock to verify contaminates from this release did not penetrate the confining layer.
- All of the excavated material was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.

Proposed Completion Activities

- Because additional vertical depth excavation activities cannot be achieved and vertical impacts from the release have been delineated fully, on behalf of Lime Rock Resources we respectfully request permission to backfill the excavated areas.
- The excavated areas backfilled with locally obtained topsoil, machine compacted and contoured to match the surrounding terrain.
- The site will be seeded with BLM #1 seed blend which matches the soil survey from the United States Department of Agriculture, Natural Resources Conservation Services (Appendix II).
- A Final C-141 Form is also attached. See (Appendix V).

Closure

On behalf of Lime Rock Resources, we respectfully request that no further actions be required at this site and that closure with regards 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 Jones' Project Manager

David J. Adkins District Manager

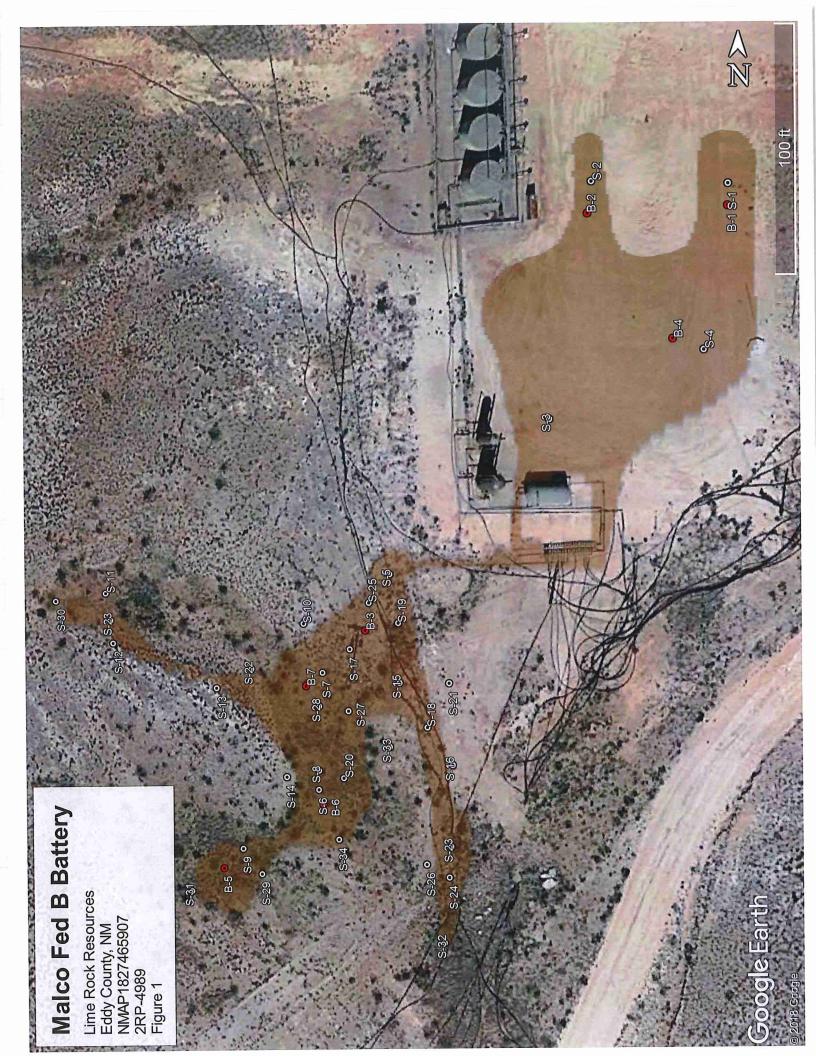
Attachments:

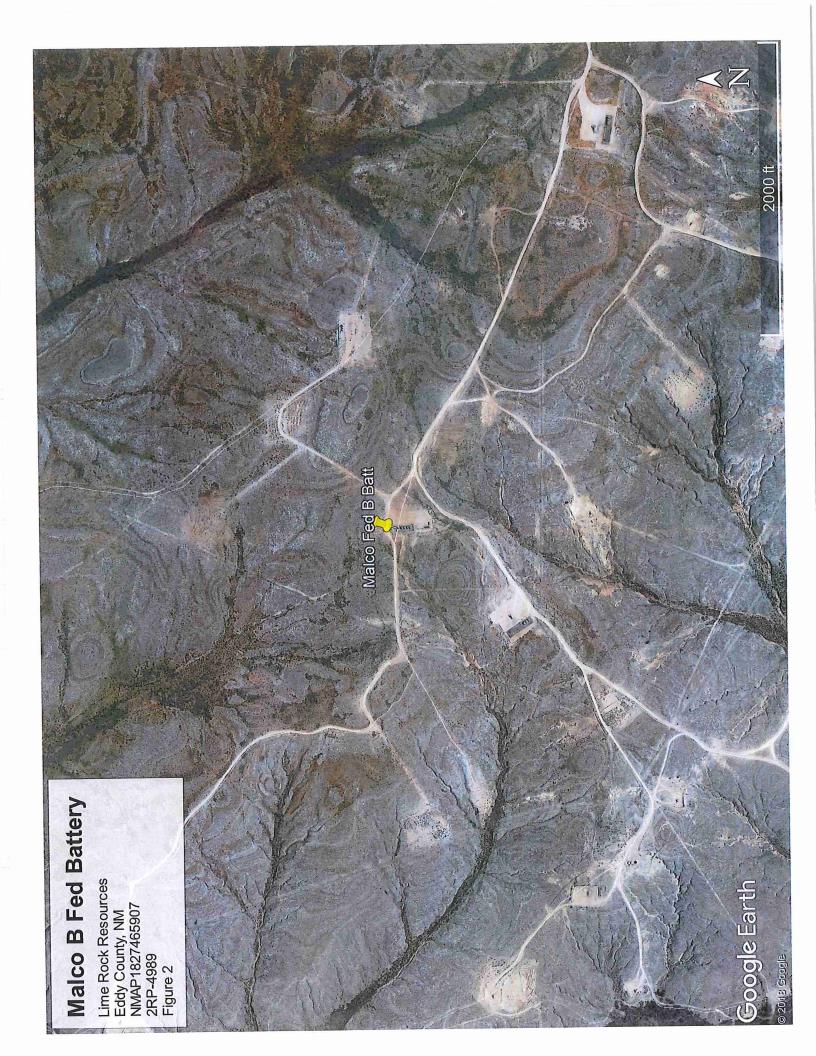
Appendix ISite PlanAppendix IIGroundwater Data, Soil Survey & FEMA Flood ZoneAppendix IIIFinal C-141Appendix IVPhotographic DocumentationAppendix VLaboratory Data

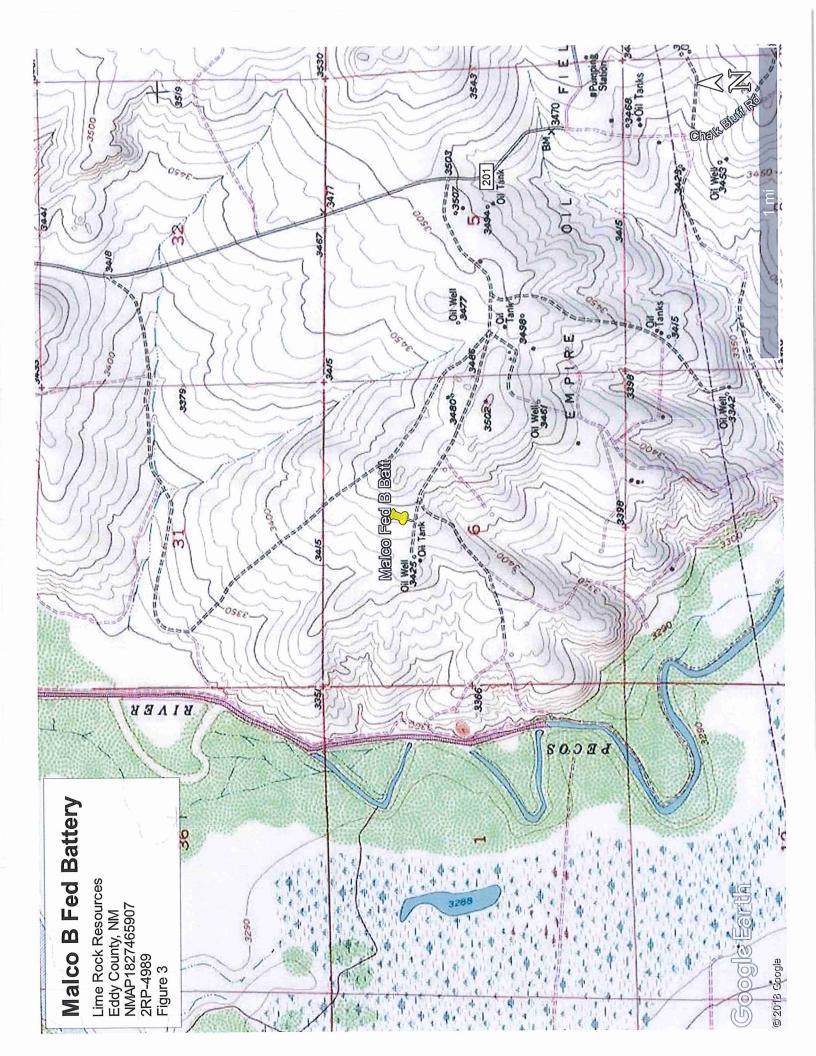


APPENDIX I

SITE PLAN



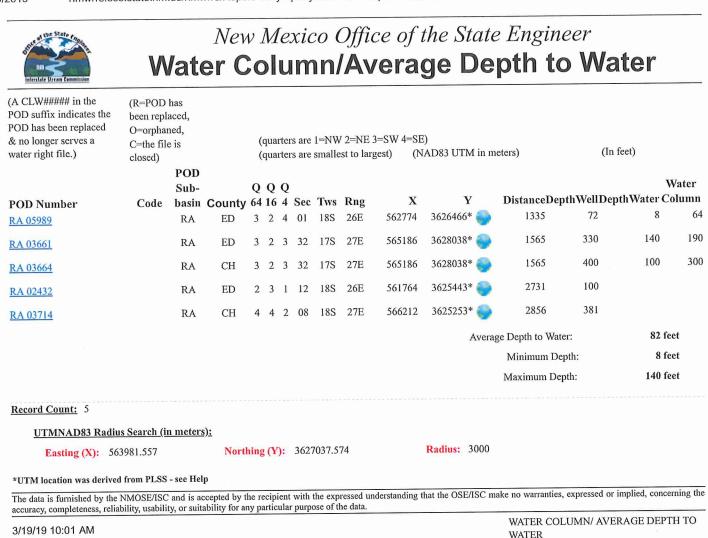






<u>APPENDIX II</u>

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

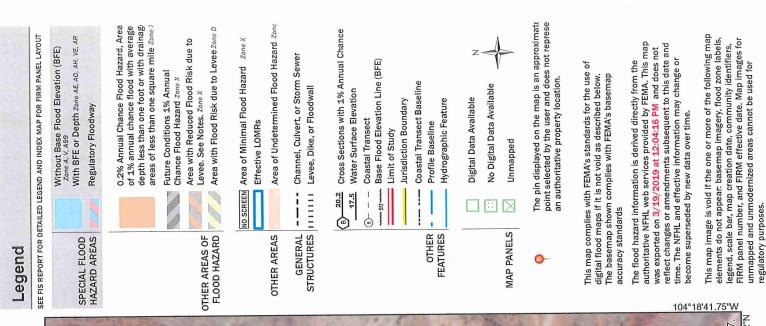
Percent of map unit: Ecological site: Salty Bottomland (R042XC033NM) Hydric soil rating: No

Data Source Information

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

National Flood Hazard Layer FIRMette









APPENDIX III

FINAL C-141

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztee, 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	NMAP1827465907	
District RP	2RP-4989	
Facility ID	fMAP1827465258	
Application ID	pMAP1827465656	

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) NMAP1827465907
Contact mailing address 1111, Bagby St Ste 4600 Houston, TX 77002	

Location of Release Source

Longitude	-104.3168
decimal degrees to 5 decimal places)	
Site Type Production Facil	ity
API# (if applicable) fMAP18	327465258
	decimal degrees to 5 decimal places) Site Type Production Facil

Unit Letter	Section	Township	Range	County	
J	6	18S	27E	Eddy	

Surface Owner: State K Federal Tribal Private (Name:

Nature and Volume of Release

Mat	erial(s) Released (Select all that apply and attach calculations or spe	cific justification for the volumes provided below)
Crude Oil	Volume Released (bbls) 10	Volume Recovered (bbls) 6
Produced Water	Volume Released (bbls) 190	Volume Recovered (bbls) 154
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes 🗌 No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	<u> </u>	

Cause of Release

A 3" nipple that connects the header and FWKO developed a hole due to the fluid cut.

	State of New Mexico		Incident ID	NMAP1827465907
age 2	Oil Conservation Division	1	District RP	2RP-4989
160 2		-	Facility ID	fMAP1827465258
			Application ID	pMAP1827465656
			reprinted in	
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the resp The release was more than 25 barrels of		this a major release?	
X Yes No				
	lotice given to the OCD? By whom? To v n LPE to Mike Bratcher-NMOCD via phor		what means (phone, em	ail, etc)?
	Initial	Response		
The responsib	le party must undertake the following actions immedi	iately unless they could crea	te a safety hazard that would	result in injury
The source of the rel	ease has been stopped.			
I The impacted area has	as been secured to protect human health an	d the environment.		
🔀 Released materials h	ave been contained via the use of berms or	dikes, absorbent pads	, or other containment o	levices.
All free liquids and r	ecoverable materials have been removed a	and managed appropria	itely.	
If all the actions describe	ed above have not been undertaken, explain	n why:		
		-		
has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investi	1.5.5	al efforts have been su please attach all infor- the best of my knowledge obtifications and perform of OCD does not relieve the treat to groundwater, surf	ccessfully completed o mation needed for close and understand that pursu corrective actions for relea ne operator of liability sho face water, human health o pliance with any other fed Superintendent	r if the release occurred ure evaluation, ant to OCD rules and ses which may endanger uld their operations have or the environment. In
OCD Only	Mac	Date:10/01/18	B	
Received by:			i 	

Form C-141	
Page 3	

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Form C-141 Page 4	State of New Mexico Oil Conservation Division	Incident ID District RP Facility ID Application ID
regulations all operators are r public health or the environm failed to adequately investiga	equired to report and/or file certain release noti ent. The acceptance of a C-141 report by the C te and remediate contamination that pose a thre a C-141 report does not relieve the operator of the provide the operator of	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have east to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws Title: Production Superintendent Date: $3-21-19$ Telephone: 575-365-9724
OCD Only Received by:		Date:

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation 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(Proposed schedule for remediation (note if remediation plan timely 	C)(4) NMAC ne is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confi	rmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around proc deconstruction.	uction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health, t	he environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file cer which may endanger public health or the environment. The acceptance liability should their operations have failed to adequately investigate a surface water, human health or the environment. In addition, OCD ac responsibility for compliance with any other federal, state, or local law Printed Name: Mike Barrett Signature: Man Construction of the mail: mbarrett@limerockresources.com	tain release notifications and perform corrective actions for releases e of a C-141 report by the OCD does not relieve the operator of nd remediate contamination that pose a threat to groundwater, ceptance of a C-141 report does not relieve the operator of
OCD Only	Data
	Date:
Approved Approved with Attached Conditions of A	
Signature:	late:

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: M

email: mbarrett@limerockresources.com

Title: Production Superintendent

Date: 3-21-19

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



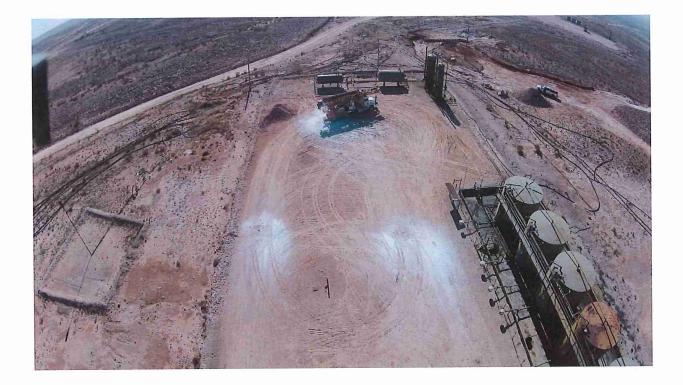


Excavation











APPENDIX V

LABORATORY DATA

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

September 24, 2018

Chris Jones Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX

RE: Lime Rock Malco B Fed Battery

OrderNo.: 1809891

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 20 sample(s) on 9/14/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order 1809891 Date Reported: 9/24/201	8
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batter Lab ID: 1809891-001	Matrix: SOIL	Client Sample ID: S-1 0.5' Collection Date: 9/12/2018 1:00:00 PM Received Date: 9/14/2018 8:55:00 AM				
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	2900	150	mg/Kg	100	Analyst: 9/21/2018 10:51:56 PM Analyst	40474
EPA METHOD 8015M/D: DIESEL RANGE Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 120	9.9 49 50.6-138	mg/Kg mg/Kg %Rec	1 1 1	9/19/2018 11:49:58 PM 9/19/2018 11:49:58 PM 9/19/2018 11:49:58 PM	40407 40407
Gasoline Range Organics (GRO) Surr: BFB	97.1	4.9 15-316	mg/Kg %Rec	1 1	Analyst 9/19/2018 1:06:18 PM 9/19/2018 1:06:18 PM	: NSB 40387 40387
EPA METHOD 8021B: VOLATILES Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND ND 98,4	0.025 0.049 0.049 0.099 80-120	mg/Kg mg/Kg mg/Kg %Rec	1 1 1 1	Analyst 9/19/2018 1:06:18 PM 9/19/2018 1:06:18 PM 9/19/2018 1:06:18 PM 9/19/2018 1:06:18 PM 9/19/2018 1:06:18 PM	: NSB 40387 40387 40387 40387 40387

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
2	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.					Date Reported: 9/24/2018			
CLIENT: Talon ArtesiaProject:Lime Rock Malco B Fed BatteryLab ID:1809891-002	Matrix: SOIL	C		ple ID: S-1 1' 1 Date: 9/12/2018 1:06:00 PM 1 Date: 9/14/2018 8:55:00 AM				
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS Chloride	3500	150	mg/Kg	100	Analyst 9/21/2018 11:04:21 PM			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	Irm		
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	ND ND 112	9.9 49 50.6-138	mg/Kg mg/Kg %Rec	1 1 1	9/20/2018 12:56:05 AM 9/20/2018 12:56:05 AM 9/20/2018 12:56:05 AM	40407		
Surr: DNOP EPA METHOD 8015D: GASOLINE RANGE		50.0-158	mg/Kg	1	Analyst 9/19/2018 1:29:55 PM			
Gasoline Range Organics (GRO) Surr: BFB	ND 98.4	5.0 15-316	%Rec	1	9/19/2018 1:29:55 PM	40387		
EPA METHOD 8021B: VOLATILES Benzene Toluene	ND ND	0.025 0.050	mg/Kg mg/Kg	1 1	Analyst 9/19/2018 1:29:55 PM 9/19/2018 1:29:55 PM	40387 40387		
Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND 100	0.050 0.099 80-120	mg/Kg mg/Kg %Rec	1 1 1	9/19/2018 1:29:55 PM 9/19/2018 1:29:55 PM 9/19/2018 1:29:55 PM	40387 40387 40387		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
2	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1809891

		Lab Order 1809891 Date Reported: 9/24/20 1	8		
Client Sample ID: S-1 2' Collection Date: 9/12/2018 1:12:00 PM Received Date: 9/14/2018 8:55:00 AM					
Qual Units	DF	Date Analyzed	Batch		
mg/Kg	100	Analyst 9/21/2018 11:16:46 PM			
		Analyst	: Irm		
mg/Kg mg/Kg %Rec	1 1 1	9/20/2018 1:17:54 AM 9/20/2018 1:17:54 AM 9/20/2018 1:17:54 AM	40407 40407 40407		
		Analyst	NSB		
mg/Kg %Rec	1 1	9/19/2018 1:53:32 PM 9/19/2018 1:53:32 PM	40387 40387		
		Analyst	: NSB		
mg/Kg mg/Kg mg/Kg mg/Kg	1 1 1 1	9/19/2018 1:53:32 PM 9/19/2018 1:53:32 PM 9/19/2018 1:53:32 PM 9/19/2018 1:53:32 PM 9/19/2018 1:53:32 PM	40387 40387 40387 40387 40387		
	mg/Kg	mg/Kg 1 mg/Kg 1	mg/Kg 1 9/19/2018 1:53:32 PM mg/Kg 1 9/19/2018 1:53:32 PM		

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Laboratory,	Inc.			_		8
Matrix: SOIL	Client Sample ID: S-2 0.5' Collection Date: 9/12/2018 1:18:00 PM DIL Received Date: 9/14/2018 8:55:00 AM					
Result	PQL	Qual	Units	DF	Date Analyzed	Batch
5000	300		mg/Kg	200	9/21/2018 11:29:11 PM	40474
670 370 134	9.9 49 50.6-138		mg/Kg mg/Kg %Rec	1 1 1	9/20/2018 1:39:57 AM 9/20/2018 1:39:57 AM 9/20/2018 1:39:57 AM	40407 40407 40407
E ND 111	9.4 15-316	D D	mg/Kg %Rec	2 2	Analyst 9/19/2018 2:17:09 PM 9/19/2018 2:17:09 PM	: NSB 40387 40387
ND ND ND	0.047 0.094 0.094 0.19	D D D	mg/Kg mg/Kg mg/Kg mg/Kg	2 2 2 2	9/19/2018 2:17:09 PM 9/19/2018 2:17:09 PM 9/19/2018 2:17:09 PM 9/19/2018 2:17:09 PM	:: NSB 40387 40387 40387 40387 40387
	Matrix: SOIL Result 5000 ORGANICS 670 370 134 E ND 111 ND ND ND ND ND	Matrix: SOIL PQL Result PQL 5000 300 ORGANICS 670 9.9 370 49 134 50.6-138 E ND 9.4 111 15-316 ND 0.047 ND 0.094 ND 0.094 ND 0.19	Client Sa Collect Matrix: SOIL Receiv Result PQL Qual 5000 300 ORGANICS 670 9.9 370 49 134 50.6-138 E ND 9.4 D 111 15-316 D ND 0.047 D ND 0.094 D ND 0.094 D ND 0.094 D	Client Sample II Collection Data Matrix: SOIL Received Data Result PQL Qual Units 5000 300 mg/Kg ORGANICS 670 9.9 mg/Kg 370 49 mg/Kg 134 50.6-138 %Rec E ND 9.4 D mg/Kg 111 15-316 D %Rec ND 0.047 D mg/Kg ND 0.094 D mg/Kg ND 0.094 D mg/Kg ND 0.094 D mg/Kg	Laboratory, Inc. Client Sample ID: S-2 Collection Date: 9/12 Matrix: SOIL Received Date: 9/14 Result PQL Qual Units DF 5000 300 mg/Kg 200 ORGANICS 670 9.9 mg/Kg 1 370 49 mg/Kg 1 134 50.6-138 %Rec 1 E ND 9.4 D mg/Kg 2 ND 9.4 D mg/Kg 2 ND 0.047 D mg/Kg 2 ND 0.094 D mg/Kg 2 ND 0.19 D mg/Kg 2	Client Sample ID: S-2 0.5' Collection Date: 9/12/2018 1:18:00 PM Matrix: SOIL Received Date: 9/14/2018 8:55:00 AM Result PQL Qual Units DF Date Analyzed 5000 300 mg/Kg 200 9/21/2018 11:29:11 PM ORGANICS Analyst 670 9.9 mg/Kg 1 9/20/2018 11:39:57 AM 370 49 mg/Kg 1 9/20/2018 1:39:57 AM 370 49 mg/Kg 1 9/20/2018 1:39:57 AM 134 50.6-138 %Rec 1 9/20/2018 1:39:57 AM E Analyst Analyst ND 9.4 D mg/Kg 2 9/19/2018 2:17:09 PM 111 15-316 D %Rec 2 9/19/2018 2:17:09 PM MD 0.047 D mg/Kg 2 9/19/2018 2:17:09 PM ND 0.094 D mg/Kg 2 9/19/2018 2:17:09 PM ND 0.094 D

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.		Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 28
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
		% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis		Date Reported: 9/24/201	.8				
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Battery Lab ID: 1809891-005	Client Sample ID: S-2 1' Collection Date: 9/12/2018 1:24:00 PM Matrix: SOIL Received Date: 9/14/2018 8:55:00 AM						
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS Chloride EPA METHOD 8015M/D: DIESEL RANGE		150	mg/Kg	100	Analyst 9/21/2018 11:41:35 PM Analyst	40476	
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	290 140 105	9.9 50 50.6-138	mg/Kg mg/Kg %Rec	1 1 1	9/20/2018 11:44:16 AM 9/20/2018 11:44:16 AM 9/20/2018 11:44:16 AM	40407 40407	
EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) Surr: BFB	E ND 104	4.8 15-316	mg/Kg %Rec	1 1	Analyst 9/19/2018 2:40:51 PM 9/19/2018 2:40:51 PM	: NSB 40387 40387	
EPA METHOD 8021B: VOLATILES Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND ND 102	0.024 0.048 0.048 0.096 80-120	mg/Kg	1 1 1 1	Analyst 9/19/2018 2:40:51 PM 9/19/2018 2:40:51 PM 9/19/2018 2:40:51 PM 9/19/2018 2:40:51 PM 9/19/2018 2:40:51 PM	: NSB 40387 40387 40387 40387 40387	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
2	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1809891

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order 1809891 Date Reported: 9/24/20	18
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batter Lab ID: 1809891-006	y Matrix: SOIL	Co		e: 9/1 2	2' 2/2018 1:30:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	SRM
Chloride	2400	75	mg/Kg	50	9/21/2018 11:54:00 PM	40476
EPA METHOD 8015M/D: DIESEL RANGI					Analys	t: TOM
Diesel Range Organics (DRO)	230	10	mg/Kg	1	9/20/2018 12:33:09 PM	40407
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	9/20/2018 12:33:09 PM	1 40407
Surr: DNOP	111	50.6-138	%Rec	1	9/20/2018 12:33:09 PM	1 40407
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/19/2018 3:04:28 PM	40387
Surr: BFB	101	15-316	%Rec	1	9/19/2018 3:04:28 PM	40387
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	9/19/2018 3:04:28 PM	40387
Toluene	ND	0.049	mg/Kg	1	9/19/2018 3:04:28 PM	40387
Ethylbenzene	ND	0.049	mg/Kg	1	9/19/2018 3:04:28 PM	40387
Xylenes, Total	ND	0.098	mg/Kg	1	9/19/2018 3:04:28 PM	40387
Surr: 4-Bromofluorobenzene	98.6	80-120	%Rec	1	9/19/2018 3:04:28 PM	40387

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Kele	I to the	SQC Summary report and sample rogin encertais		
Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
X	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 28
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.	organis the second second second second		Lab Order 1809891 Date Reported: 9/24/20	18
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batter Lab ID: 1809891-007	y Matrix: SOIL	Col		e: 9/1:	0.5' 2/2018 1:36:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	230	30	mg/Kg	20	9/20/2018 1:08:54 PM	40476
EPA METHOD 8015M/D: DIESEL RANGI					Analyst	: том
Diesel Range Organics (DRO)	510	10	mg/Kg	1	9/20/2018 1:22:03 PM	40407
Motor Oil Range Organics (MRO)	200	50	mg/Kg	1	9/20/2018 1:22:03 PM	40407
Surr: DNOP	113	50.6-138	%Rec	1	9/20/2018 1:22:03 PM	40407
EPA METHOD 8015D: GASOLINE RANG	E				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/19/2018 3:28:06 PM	40387
Surr: BFB	124	15-316	%Rec	1	9/19/2018 3:28:06 PM	40387
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	9/19/2018 3:28:06 PM	40387
Toluene	ND	0.048	mg/Kg	1	9/19/2018 3:28:06 PM	40387
Ethylbenzene	ND	0.048	mg/Kg	1	9/19/2018 3:28:06 PM	40387
Xylenes, Total	ND	0.097	mg/Kg	1	9/19/2018 3:28:06 PM	40387
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	9/19/2018 3:28:06 PM	40387

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in
•	D	Sample Diluted Due to Matrix	Е	Value above quant
	н	Holding times for preparation or analysis exceeded	J	Analyte detected b
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In
	POL	Practical Quanitative Limit	RL	Reporting Detection
	S	% Recovery outside of range due to dilution or matrix	W	Sample container t

- in the associated Method Blank
- ntitation range
- below quantitation limits Page 7 of 28

Analytical Report

- n Range
- ion Limit
- temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.			Date Reported: 9/24/20	18
CLIENT: Talon ArtesiaProject:Lime Rock Malco B Fed BatteryLab ID:1809891-008	Matrix: SOIL			e: 9/1	8 1' 2/2018 1:42:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	210	30	mg/Kg	20	9/20/2018 1:21:18 PM	40476
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/20/2018 3:07:53 AM	40407
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/20/2018 3:07:53 AM	40407
Surr: DNOP	119	50.6-138	%Rec	1	9/20/2018 3:07:53 AM	40407
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/19/2018 3:51:44 PM	40387
Surr: BFB	100	15-316	%Rec	1	9/19/2018 3:51:44 PM	40387
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	9/19/2018 3:51:44 PM	40387
Toluene	ND	0.047	mg/Kg	1	9/19/2018 3:51:44 PM	40387
Ethylbenzene	ND	0.047	mg/Kg	1	9/19/2018 3:51:44 PM	40387
Xylenes, Total	ND	0.094	mg/Kg	1	9/19/2018 3:51:44 PM	40387
Surr: 4-Bromofluorobenzene	99.5	80-120	%Rec	1	9/19/2018 3:51:44 PM	40387

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 8 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analys	is Laboratory,	Inc.			Lab Order 1809891 Date Reported: 9/24/20	18
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batt Lab ID: 1809891-009	ery Matrix: SOIL	Coll		e: 9/1	2' 2/2018 1:48:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	560	30	mg/Kg	20	9/20/2018 1:33:43 PM	40476
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/20/2018 3:29:44 AM	40407
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/20/2018 3:29:44 AM	40407
Surr: DNOP	120	50.6-138	%Rec	1	9/20/2018 3:29:44 AM	40407
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/19/2018 5:49:31 PM	40387
Surr: BFB	97.4	15-316	%Rec	1	9/19/2018 5:49:31 PM	40387
EPA METHOD 8021B: VOLATILES					Analys	I NSB
Benzene	ND	0.024	mg/Kg	1	9/19/2018 5:49:31 PM	40387
Toluene	ND	0.049	mg/Kg	1	9/19/2018 5:49:31 PM	40387
Ethylbenzene	ND	0.049	mg/Kg	1	9/19/2018 5:49:31 PM	40387
Xylenes, Total	ND	0.098	mg/Kg	1	9/19/2018 5:49:31 PM	40387
Surr: 4-Bromofluorobenzene	99.3	80-120	%Rec	1	9/19/2018 5:49:31 PM	40387

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 9 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		-		

Hall Environmental Analysi	s Laboratory,	Inc.		-1000-000-0000	Date Reported: 9/24/20	18
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batte Lab ID: 1809891-010	ry Matrix: SOIL			te: 9 /1	4 0.5' 2/2018 1:52:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	
Chloride	3700	150	mg/K	g 100) 9/22/2018 12:06:25 AM	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	g 1	9/20/2018 3:51:50 AM	40407
Motor Oil Range Organics (MRO)	ND	49	mg/K	j 1	9/20/2018 3:51:50 AM	40407
Surr: DNOP	116	50.6-138	%Rec	: 1	9/20/2018 3:51:50 AM	40407
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	g 1	9/19/2018 6:12:56 PM	40387
Surr: BFB	97.7	15-316	%Red	: 1	9/19/2018 6:12:56 PM	40387
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.023	mg/K	g 1	9/19/2018 6:12:56 PM	40387
Toluene	ND	0.046	mg/K	g 1	9/19/2018 6:12:56 PM	40387
Ethylbenzene	ND	0.046	mg/K	g 1	9/19/2018 6:12:56 PM	40387
Xylenes, Total	ND	0.092	mg/K	g 1	9/19/2018 6:12:56 PM	40387
Surr: 4-Bromofluorobenzene	98.9	80-120	%Re	c 1	9/19/2018 6:12:56 PM	40387

DSample Diluted Due to MatrixEValue above quantitation rangeHHolding times for preparation or analysis exceededJAnalyte detected below quantitation limits Page 10 of 28NDNot Detected at the Reporting LimitPSample pH Not In RangePQLPractical Quanitative LimitRLReporting Detection Limit	Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
NDNot Detected at the Reporting LimitPSample pH Not In RangePQLPractical Quanitative LimitRLReporting Detection Limit		D	Sample Diluted Due to Matrix		
NDNot Detected at the Reporting LimitPSample pH Not In RangePQLPractical Quanitative LimitRLReporting Detection Limit		Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limitsPage 10 of 28
				Р	Sample pH Not In Range
		POL	Practical Quanitative Limit		1 0
S % Recovery outside of range due to dilution or matrix W Sample container temperature is out of limit as specified		s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.	angen and the second		Date Reported: 9/24/201	18
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Battery Lab ID: 1809891-011	Matrix: SOIL	(e: 9/1	4 1' 2/2018 2:00:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	1200	75	mg/Kg	50	9/22/2018 12:18:50 AM	40476
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/20/2018 4:13:50 AM	40407
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/20/2018 4:13:50 AM	40407
Surr: DNOP	117	50.6-138	%Rec	1	9/20/2018 4:13:50 AM	40407
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/19/2018 6:36:21 PM	40387
Surr: BFB	96.2	15-316	%Rec	1	9/19/2018 6:36:21 PM	40387
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/19/2018 6:36:21 PM	40387
Toluene	ND	0.048	mg/Kg	1	9/19/2018 6:36:21 PM	40387
Ethylbenzene	ND	0.048	mg/Kg	1	9/19/2018 6:36:21 PM	40387
Xylenes, Total	ND	0.096	mg/Kg	1	9/19/2018 6:36:21 PM	40387
Surr: 4-Bromofluorobenzene	98.0	80-120	%Rec	1	9/19/2018 6:36:21 PM	40387

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 11 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order 1809891 Date Reported: 9/24/201	8
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batter Lab ID: 1809891-012	y Matrix: SOIL	Со		e: 9 /1	2' 2/2018 2:06:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	2500	75	mg/Kg	50	Analyst 9/22/2018 12:31:14 AM	
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst	
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 120	9.9 50 50.6-138	mg/Kg mg/Kg %Rec	1 1 1	9/20/2018 4:36:01 AM 9/20/2018 4:36:01 AM 9/20/2018 4:36:01 AM	40407 40407 40407
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO) Surr: BFB	ND 94.3	4.8 15-316	mg/Kg %Rec	1 1	9/19/2018 6:59:46 PM 9/19/2018 6:59:46 PM	40387 40387
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene Toluene Ethylbenzene Xylenes, Total	ND ND ND ND	0.024 0.048 0.048 0.096	mg/Kg mg/Kg mg/Kg mg/Kg	1 1 1 1	9/19/2018 6:59:46 PM 9/19/2018 6:59:46 PM 9/19/2018 6:59:46 PM 9/19/2018 6:59:46 PM	40387 40387 40387 40387
Surr: 4-Bromofluorobenzene	94.6	80-120	%Rec	1	9/19/2018 6:59:46 PM	40387

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the a
	D	Sample Diluted Due to Matrix	Е	Value above quantitation
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below of
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Lim
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temper

- associated Method Blank
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- quantitation limitsPage 12 of 28

Analytical Report

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Hall Environmental Analysis	Laboratory,	Inc.	an a		Date Reported: 9/24/201	8
C LIENT: Talon Artesia Project: Lime Rock Malco B Fed Battery Lab ID: 1809891-013	Matrix: SOIL	(e: 9/1	1' 2/2018 2:12:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Bate
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	12000	750	mg/Kg	500	9/22/2018 12:43:38 AM	4047
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/20/2018 5:20:09 AM	4040
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/20/2018 5:20:09 AM	4040
Surr: DNOP	119	50.6-138	%Rec	1	9/20/2018 5:20:09 AM	4040
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst	: NSE
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/19/2018 7:23:09 PM	4038
Surr: BFB	94.1	15-316	%Rec	1	9/19/2018 7:23:09 PM	4038
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	9/19/2018 7:23:09 PM	4038
Toluene	ND	0.047	mg/Kg	1	9/19/2018 7:23:09 PM	4038
Ethylbenzene	ND	0.047	mg/Kg	1	9/19/2018 7:23:09 PM	4038
Xylenes, Total	ND	0.094	mg/Kg		9/19/2018 7:23:09 PM	4038
Surr: 4-Bromofluorobenzene	96.4	80-120	%Rec	1	9/19/2018 7:23:09 PM	4038

Analytical Report Lab Order 1809891

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

	÷	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Qualifiers:	*		E	Value above quantitation range
		Sample Diluted Due to Matrix		
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limitsPage 13 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis I	Date Reported: 9/24/2018								
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Battery Lab ID: 1809891-014	Client Sample ID: S-5 2' Collection Date: 9/12/2018 2:18:00 PM Matrix: SOIL Received Date: 9/14/2018 8:55:00 AM								
Analyses	Result	PQL	Qual Units	5 DF	Date Analyzed	Batcl			
EPA METHOD 300.0: ANIONS					Analyst	SRM			
Chloride	1900	75	mg/K	g 50	9/22/2018 1:20:52 AM	40476			
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst	: Irm			
Diesel Range Organics (DRO)	ND	9.8	mg/K	g 1	9/20/2018 5:42:12 AM	4040			
Motor Oil Range Organics (MRO)	ND	49	mg/K	g 1	9/20/2018 5:42:12 AM	4040			
Surr: DNOP	120	50.6-138	%Re	c 1	9/20/2018 5:42:12 AM	4040			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/K	g 1	9/19/2018 7:46:27 PM	4038			
Surr: BFB	93.3	15-316	%Re	c 1	9/19/2018 7:46:27 PM	4038			
EPA METHOD 8021B: VOLATILES					Analys	: NSB			
Benzene	ND	0.025	mg/K	g 1	9/19/2018 7:46:27 PM	4038			
Toluene	ND	0.049	mg/K	ig 1	9/19/2018 7:46:27 PM	4038			
Ethylbenzene	ND	0.049	mg/K	.g 1	9/19/2018 7:46:27 PM	4038			
Xylenes, Total	ND	0.099	mg/K	÷.	9/19/2018 7:46:27 PM	4038			
Surr: 4-Bromofluorobenzene	94.3	80-120	%Re	c 1	9/19/2018 7:46:27 PM	4038			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 14 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.		11111 111 1111 1111 1111]	Date Reported: 9/24/201	8
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Battery Lab ID: 1809891-015	y Matrix: SOIL	C	Collect		e: 9/12	1' 2/2018 2:24:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SRM
Chloride	6400	300		mg/Kg	200	9/22/2018 1:33:16 AM	40476
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	: Irm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/20/2018 6:04:14 AM	40407
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/20/2018 6:04:14 AM	40407
Surr: DNOP	122	50.6-138		%Rec	1	9/20/2018 6:04:14 AM	40407
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/19/2018 8:09:46 PM	40387
Surr: BFB	93.9	15-316		%Rec	1	9/19/2018 8:09:46 PM	40387
EPA METHOD 8021B: VOLATILES						Analys	: NSB
Benzene	ND	0.024		mg/Kg	1	9/19/2018 8:09:46 PM	40387
Toluene	ND	0.048		mg/Kg	1	9/19/2018 8:09:46 PM	40387
Ethylbenzene	ND	0.048		mg/Kg	1	9/19/2018 8:09:46 PM	40387
Xylenes, Total	ND	0.096		mg/Kg	1	9/19/2018 8:09:46 PM	40387
Surr: 4-Bromofluorobenzene	94.6	80-120		%Rec	1	9/19/2018 8:09:46 PM	40387

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
C C	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 15 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.					Date Reported: 9/24/2018			
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batter Lab ID: 1809891-016	y Matrix: SOIL			e: 9/12	1' 2/2018 2:30:00 PM 4/2018 8:55:00 AM			
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	SRM		
Chloride	11000	750	mg/Kg	500	9/22/2018 1:45:41 AM	40476		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: Irm		
Diesel Range Organics (DRO)	13	9.9	mg/Kg	1	9/20/2018 6:26:13 AM	40407		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/20/2018 6:26:13 AM	40407		
Surr: DNOP	134	50.6-138	%Rec	1	9/20/2018 6:26:13 AM	40407		
EPA METHOD 8015D: GASOLINE RANG	BE				Analys	NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/19/2018 8:33:01 PM	40387		
Surr: BFB	103	15-316	%Rec	1	9/19/2018 8:33:01 PM	40387		
EPA METHOD 8021B: VOLATILES					Analys	II NSB		
Benzene	ND	0.024	mg/Kg	1	9/19/2018 8:33:01 PM	40387		
Toluene	ND	0.048	mg/Kg	1	9/19/2018 8:33:01 PM	40387		
Ethylbenzene	ND	0.048	mg/Kg	1	9/19/2018 8:33:01 PM	40387		
Xylenes, Total	ND	0.096	mg/Kg	1	9/19/2018 8:33:01 PM	40387		
Surr: 4-Bromofluorobenzene	93.7	80-120	%Rec	1	9/19/2018 8:33:01 PM	40387		

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 16 of 28
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Laboratory,	Inc.			Lab Order 1809891 Date Reported: 9/24/201	8
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Batte Lab ID: 1809891-017	ry Matrix: SOIL	Col		: 9/12	0.5' 2/2018 2:36:00 PM 4/2018 8:55:00 AM	
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	
Chloride	24000	750	mg/Kg	500	9/22/2018 1:58:05 AM	40476
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	Irm
Diesel Range Organics (DRO)	440	9.9	mg/Kg	1	9/20/2018 6:48:18 AM	40407
Motor Oil Range Organics (MRO)	160	49	mg/Kg	1	9/20/2018 6:48:18 AM	40407
Surr: DNOP	118	50.6-138	%Rec	1	9/20/2018 6:48:18 AM	40407
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	37	9.5	mg/Kg	2	9/19/2018 8:56:20 PM	40387
Surr: BFB	228	15-316	%Rec	2	9/19/2018 8:56:20 PM	40387
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
	ND	0.047	mg/Kg	2	9/19/2018 8:56:20 PM	40387
Benzene Toluene	0.15	0.095	mg/Kg	2	9/19/2018 8:56:20 PM	40387
Ethylbenzene	0.57	0.095	mg/Kg	2	9/19/2018 8:56:20 PM	40387
Xylenes, Total	1.6	0.19	mg/Kg	2	9/19/2018 8:56:20 PM	40387
Surr: 4-Bromofluorobenzene	114	80-120	%Rec	2	9/19/2018 8:56:20 PM	40387

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Me
•	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation l
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of

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Hall Environmental Analysis	Laboratory,	Inc.				Date Reported: 9/24/201	18
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Battery Lab ID: 1809891-018	Matrix: SOIL	9 1' 2/2018 2:42:00 PM 4/2018 8:55:00 AM					
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SRM
Chloride	720	30		mg/Kg	20	9/20/2018 3:50:12 PM	40476
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	: Irm
Diesel Range Organics (DRO)	750	10		mg/Kg	1	9/20/2018 7:54:16 AM	40407
Motor Oil Range Organics (MRO)	400	50		mg/Kg	1	9/20/2018 7:54:16 AM	4040
Surr: DNOP	138	50.6-138		%Rec	1	9/20/2018 7:54:16 AM	4040
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	t: NSB
Gasoline Range Organics (GRO)	ND	9.3	D	mg/Kg	2	9/19/2018 9:43:01 PM	4038
Surr: BFB	108	15-316	D	%Rec	2	9/19/2018 9:43:01 PM	4038
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.047	D	mg/Kg	2	9/19/2018 9:43:01 PM	4038
Toluene	ND	0.093	D	mg/Kg	2	9/19/2018 9:43:01 PM	4038
Ethylbenzene	ND	0.093	D	mg/Kg	2	9/19/2018 9:43:01 PM	4038
Xylenes, Total	ND	0.19	D	mg/Kg	2	9/19/2018 9:43:01 PM	4038
Surr: 4-Bromofluorobenzene	94.6	80-120	D	%Rec	2	9/19/2018 9:43:01 PM	4038

	÷	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Qualifiers:	r F		Ē	Value above quantitation range
		Sample Diluted Due to Matrix		Analyte detected below quantitation limits Page 18 of 28
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation man Page 18 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall E	nvironmental Analys	is Laboratory,	Inc.			Date Reported: 9/24/201	18			
CLIENT: Project: Lab ID:	: Talon Artesia Lime Rock Malco B Fed Batte 1809891-019	ery Matrix: SOIL	(Collection Date	ID: S-10 BG 0' te: 9/12/2018 2:48:00 PM te: 9/14/2018 8:55:00 AM					
Analyses	s	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA ME	THOD 300.0: ANIONS					Analyst	SRM			
Chloride		ND	30	mg/Kg	20	9/20/2018 4:02:37 PM	40476			
	THOD 8015D MOD: GASOLINE					Analyst	: AG			
	e Range Organics (GRO)	ND	4.8	mg/Kg	1	9/18/2018 3:23:09 PM	40389			
Surr:	0 0 1	99.9	70-130	%Rec	1	9/18/2018 3:23:09 PM	40389			
EPA ME	THOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	: Irm			
	Range Organics (DRO)	ND	10	mg/Kg	1	9/20/2018 9:00:50 AM	40407			
	Dil Range Organics (MRO)	ND	50	mg/Kg	1	9/20/2018 9:00:50 AM	40407			
	DNOP	114	50.6-138	%Rec	1	9/20/2018 9:00:50 AM	40407			
EPA ME	THOD 8260B: VOLATILES SH	ORT LIST				Analyst	t: AG			
Benzen		ND	0.024	mg/Kg	1	9/18/2018 3:23:09 PM	40389			
Toluene		ND	0.048	mg/Kg	1	9/18/2018 3:23:09 PM	40389			
Ethylbe	-	ND	0.048	mg/Kg	1	9/18/2018 3:23:09 PM	40389			
Xylenes		ND	0.095	mg/Kg	1	9/18/2018 3:23:09 PM	40389			
,	: 4-Bromofluorobenzene	112	70-130	%Rec	1	9/18/2018 3:23:09 PM	40389			
Surr	: Toluene-d8	93.3	70-130	%Rec	1	9/18/2018 3:23:09 PM	40389			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Quantiers:	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 19 of 28
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.		100-10-0		Lab Order 1809891 Date Reported: 9/24/20	18			
CLIENT: Talon Artesia Project: Lime Rock Malco B Fed Battery Lab ID: 1809891-020	Client Sample ID: S-10 BG 0.5' y Collection Date: 9/12/2018 2:54:00 PM Matrix: SOIL Received Date: 9/14/2018 8:55:00 AM									
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS Chloride	ND	30		mg/Kg	20	Analyst 9/20/2018 4:39:49 PM	: SRM 40476			
EPA METHOD 8015D MOD: GASOLINE F Gasoline Range Organics (GRO)	RANGE ND 106	4.7 70-130		mg/Kg %Rec	1 1	Analyst 9/18/2018 4:33:04 PM 9/18/2018 4:33:04 PM	: AG 40389 40389			
Surr: BFB EPA METHOD 8015M/D: DIESEL RANGE		70-130		70 Rec	1	Analysi				
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 89.3	10 50 50.6-138		mg/Kg mg/Kg %Rec	1 1 1	9/20/2018 9:22:53 AM 9/20/2018 9:22:53 AM 9/20/2018 9:22:53 AM	40407 40407 40407			
EPA METHOD 8260B: VOLATILES SHOP	RT LIST					Analys				
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND ND 118	0.024 0.047 0.047 0.095 70-130		mg/Kg mg/Kg mg/Kg mg/Kg %Rec	1 1 1 1	9/18/2018 4:33:04 PM 9/18/2018 4:33:04 PM 9/18/2018 4:33:04 PM 9/18/2018 4:33:04 PM 9/18/2018 4:33:04 PM	40389 40389 40389 40389 40389			
Surr: Toluene-d8	94.7	70-130		%Rec	1	9/18/2018 4:33:04 PM	40389			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 20 of 28
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Talon Artesia **Client:** Lime Rock Malco B Fed Battery

Project: Lim	e Rock Malco B Fed Battery	
Sample ID MB-40474	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 40474	RunNo: 54278
Prep Date: 9/20/2018	Analysis Date: 9/20/2018	SeqNo: 1798025 Units: mg/Kg
Analyte	Result PQL SPK value SI	PK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5	
Sample ID LCS-40474	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 40474	RunNo: 54278
Prep Date: 9/20/2018	Analysis Date: 9/20/2018	SeqNo: 1798026 Units: mg/Kg
Analyte	Result PQL SPK value S	PK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00	0 94.3 90 110
Sample ID MB-40476	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 40476	RunNo: 54324
Prep Date: 9/20/2018	Analysis Date: 9/20/2018	SeqNo: 1798127 Units: mg/Kg
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5	
Sample ID LCS-40476	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 40476	RunNo: 54324
Prep Date: 9/20/2018	Analysis Date: 9/20/2018	SeqNo: 1798128 Units: mg/Kg
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00	0 93.4 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

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Client: Talon Artesia

Project: Lime Rock Malco B Fed Battery

Project: Lime Roc	k Malco B	Fed B	attery							
Sample ID LCS-40408	SampTy	pe: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	• Organics	
Client ID: LCSS	Batch	ID: 40	408	F	RunNo: 5 4	1262				
Prep Date: 9/18/2018	Analysis Da	ate: 9 /	19/2018	5	SeqNo: 17	795175	Units: %Re	с		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		111	50.6	138			
Sample ID MB-40408	SampTy	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: PBS	Batch	ID: 40	408	F	RunNo: 5 4	4262				
Prep Date: 9/18/2018	Analysis D	ate: 9/	19/2018	5	SeqNo: 17	795176	Units: %Re	с		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		110	50.6	138			
Sample ID LCS-40407	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 40	407	F	RunNo: 54	4262				
Prep Date: 9/18/2018	Analysis D	ate: 9/	/19/2018	S	SeqNo: 1	795604	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	5.1		5.000		102	50.6	138			
Sample ID MB-40407	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 40	407	F	RunNo: 5	4262				
Prep Date: 9/18/2018	Analysis D	ate: 9	/19/2018	\$	SeqNo: 1	795605	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50					(00			
Surr: DNOP	10		10.00		104	50.6	138			
Sample ID 1809891-001AMS	SampT	ype: M	S	Tes	stCode: El	PA Method	8015M/D: Di	iesel Rang	e Organics	
Client ID: S-1 0.5'	Batch	n ID: 40)407	I	RunNo: 5	4262				
Prep Date: 9/18/2018	Analysis D	ate: 9	/20/2018	:	SeqNo: 1	795610	Units: mg/l	Kg		
Analyte	Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	9.8		0	108	53.5	126			
Surr: DNOP	5.5		4.921		112	50.6	138			
Sample ID 1809891-001AMS	D SampT	уре: М	SD	Tes	stCode: E	PA Method	8015M/D: D	iesel Rang	e Organics	
Client ID: S-1 0.5'	Batch	n ID: 40	0407	I	RunNo: 5	4262				
	Analysis D	ate: 9	/20/2018		SeqNo: 1	795611	Units: mg /l	Kg		
Prep Date: 9/18/2018										
Prep Date: 9/18/2018 Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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Client: Talon Artesia

Project: Lime Rock Malco B Fed Battery

Sample ID	1809891-001AMSD) SampTy	pe: M	SD	Test	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	S-1 0.5'	Batch	D: 40	0407	R	tunNo: 5	4262				
Prep Date:	9/18/2018	Analysis Date: 9/20/2018			S	SeqNo: 1	795611	Units: mg/K	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.9		4.995		117	50.6	138	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1809891

Client: Talon Artesia

Project: Lime Rock Malco B Fed Battery

SampT	ype: ME	BLK	Test	TestCode: EPA Method 8015D: Gasoline Range						
Batch	D: 40	387	R							
Analysis D	ate: 9/	18/2018	S	eqNo: 1	793605	Units: mg/k				
Result				%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
ND	5.0									
960		1000		96.2	15	316				
		Alexandrian and a second s	0.000			CONTRACTOR CONTRA		i substantine i i	0.000.000	
SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e		
•	ype: LC			tCode: El RunNo: 54		8015D: Gasc	oline Rang	e		
•	n ID: 40		F		4235	8015D: Gaso Units: mg/H	Ū	e		
Batcl	n ID: 40	387 18/2018	F	RunNo: 5	4235		Ū	e RPDLimit	Qual	
Batch Analysis D	n ID: 40: Date: 9/	387 18/2018	ਜ S	RunNo: 5 SeqNo: 1	4235 793606	Units: mg/H	(g		Qual	
	Batch Analysis D Result ND	Batch ID: 40 Analysis Date: 9/ Result PQL ND 5.0	Result PQL SPK value ND 5.0	Batch ID: 40387 R Analysis Date: 9/18/2018 S Result PQL SPK value SPK Ref Val ND 5.0	Batch ID: 40387 RunNo: 54 Analysis Date: 9/18/2018 SeqNo: 12 Result PQL SPK value SPK Ref Val %REC ND 5.0	Batch ID:40387RunNo:54235Analysis Date:9/18/2018SeqNo:1793605ResultPQLSPK valueSPK Ref Val%RECLowLimitND5.0	Batch ID: 40387 RunNo: 54235 Analysis Date: 9/18/2018 SeqNo: 1793605 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0	Batch ID: 40387 RunNo: 54235 Analysis Date: 9/18/2018 SeqNo: 1793605 Units: mg/Kg Result PQL SPK value SPK Ref Val ND 5.0	Batch ID: 40387 RunNo: 54235 Analysis Date: 9/18/2018 SeqNo: 1793605 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 5.0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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Client: Talon Artesia

Project: Lime R	ock Malco E	3 Fed Ba	attery								
Sample ID MB-40387	SampT	ype: MB	LK	Test	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: 403	387	R	unNo: 54	1235					
Prep Date: 9/17/2018	Analysis D	ate: 9/ ′	18/2018	S	SeqNo: 1793647			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	80	120				
Sample ID LCS-40387	SampT	Type: LC	S	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batcl	h ID: 40	387	F	RunNo: 5	4235					
Prep Date: 9/17/2018	Analysis D	Date: 9/	18/2018	S	SeqNo: 1	793648	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.95	0.025	1.000	0	95.2	77.3	128				
Toluene	1.0	0.050	1.000	0	99.8	79.2	125				
Ethylbenzene	0.98	0.050	1.000	0	98.0	80.7	127				
Xylenes, Total	3.0	0.10	3.000	0	98.7	81.6	129				
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

WO#: 1809891

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Client: Talon Artesia

Lime Rock Malco B Fed Battery **Project:**

Sample ID 1809891-020ams	s SampT	ype: MS	4	Test	Code: EF	PA Method	8260B: Volat	iles Short	List		
Client ID: S-10 BG 0.5'	Batch	ID: 403	889	R	unNo: 54	4218					
Prep Date: 9/17/2018	Analysis D	ate: 9/'	18/2018	S	eqNo: 1	794291	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.95	0.023	0.9166	0	104	80	120				
oluene	1.0	0.046	0.9166	0.006904	109	80	120				
Ethylbenzene	1.1	0.046	0.9166	0	115	82	121				
(ylenes, Total	3.3	0.092	2.750	0.02249	118	80.2	120				
Surr: 4-Bromofluorobenzene	0.46		0.4583		100	70	130				
Surr: Toluene-d8	0.43		0.4583		94.9	70	130				
Sample ID 1809891-020am	sd SampT	ype: MS	6D4	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List		
Client ID: S-10 BG 0.5'		D: 40	389	F	RunNo: 5	4218					
Prep Date: 9/17/2018	Analysis D	ate: 9/	18/2018	S	SeqNo: 1	794292	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.96	0.023	0.9285	0	103	80	120	0.749	20		
Toluene	1.0	0.046	0.9285	0.006904	108	80	120	0.785	20		
Ethylbenzene	1.1	0.046	0.9285	0	115	82	121	0.681	20		
Xylenes, Total	3.3	0.093	2.786	0.02249	118	80.2	120	1.07	20		
Surr: 4-Bromofluorobenzene	0.47		0.4643		101	70	130	0	0		
Surr: Toluene-d8	0.43		0.4643		93.2	70	130	0	0		
Sample ID Ics-40389	SampT	ype: LC	S4	Tes	tCode: E	PA Method	8260B: Vola	tiles Shor	t List		
Client ID: BatchQC	Batch	n ID: 40	389	RunNo: 54218							
Prep Date: 9/17/2018	Analysis D	Date: 9/	18/2018	S	SeqNo: 1	794307	Units: mg/l	≺g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.92	0.025	1.000	0	92.4	80	120				
Toluene	0.95	0.050	1.000	0	94.9	80	120				
Ethylbenzene	0.99	0.050	1.000	0	98.7	80	120				
Xylenes, Total	3.1	0.10	3.000	0	103	80	120				
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.1	70	130				
Surr: Toluene-d8	0.45		0.5000		89.1	70	130				
Sample ID mb-40389	Samp	Гуре: М	BLK	Tes	stCode: E	PA Method	l 8260B: Vola	tiles Shor	t List		
Client ID: PBS	Batc	h ID: 40	389	F	RunNo: 8	54218					
Prep Date: 9/17/2018	Analysis [Date: 9	/18/2018	:	SeqNo: 1	794308	Units: mg/	Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									

Qualifiers:

Value exceeds Maximum Contaminant Level. *

Sample Diluted Due to Matrix D

- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В

Е Value above quantitation range

- Analyte detected below quantitation limits J
- Sample pH Not In Range P
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

24-Sep-18

WO#:

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1809891

Client: Talon Artesia

Project: Lime Rock Malco B Fed Battery

Sample ID mb-40389	SampT	ype: MI	BLK	Test	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: PBS	Batch	ID: 40	389	R	lunNo: 5	4218				
Prep Date: 9/17/2018	Analysis D	ate: 9/	18/2018	S	SeqNo: 1	794308	Units: mg/k	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.48		0.5000		96.5	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1809891

24-Sep-18

Client: Talon Artesia

Project: Lime Rock Malco B Fed Battery

Sample ID	1809891-019ams	SampT	ype: MS		Test	Code: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	S-10 BG 0'	Batch	ID: 403	389	R	unNo: 54	1218				
Prep Date:	9/17/2018	Analysis D	ate: 9 /'	18/2018	S	eqNo: 17	794178	Units: mg/k	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	28	4.7	23.61	0	120	64.7	142			
Surr: BFB		450		472.1		94.4	70	130			
Sample ID	1809891-019amsc	I SampT	ype: MS	D	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	S-10 BG 0'	Batch	ID: 40:	389	R	RunNo: 54	4218				
Prep Date:	9/17/2018	Analysis D	ate: 9/	18/2018	S	SeqNo: 1	794179	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	28	4.8	24.18	0	117	64.7	142	0.412	20	
Surr: BFB		470		483.6		96.9	70	130	0	0	
											and the second se
Sample ID	lcs-40389	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Sample ID Client ID:			ype: LC			tCode: El RunNo: 5		8015D Mod:	Gasoline	Range	<u>av.</u> - 1.96 77
Client ID:			iD: 40	389	F		4218	8015D Mod: Units: mg/ł		Range	1 61 7 - 1
Client ID:	LCSS	Batch	iD: 40	389 18/2018	F	RunNo: 5 SeqNo: 1	4218	Units: mg/ł HighLimit		Range RPDLimit	Qual
Client ID: Prep Date: Analyte	LCSS	Batch Analysis D	n ID: 40: ate: 9/	389 18/2018	F S	RunNo: 5 SeqNo: 1 <u>%REC</u> 97.0	4218 794195 LowLimit 70	Units: mg/ł HighLimit 130	<g< td=""><td>-</td><td>Qual</td></g<>	-	Qual
Client ID: Prep Date: Analyte	LCSS 9/17/2018	Batch Analysis D Result	n ID: 40 ate: 9/ PQL	389 18/2018 SPK value	F S SPK Ref Val	RunNo: 5 GeqNo: 1 %REC	4218 794195 LowLimit	Units: mg/ł HighLimit	<g< td=""><td>-</td><td>Qual</td></g<>	-	Qual
Client ID: Prep Date: Analyte Gasoline Rang	LCSS 9/17/2018 e Organics (GRO)	Batch Analysis D Result 24 450	n ID: 40 ate: 9/ PQL	389 18/2018 SPK value 25.00 500.0	F S SPK Ref Val 0	RunNo: 5 SeqNo: 1 %REC 97.0 89.3	4218 794195 LowLimit 70 70	Units: mg/ł HighLimit 130	<g< b=""> %RPD</g<>	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 9/17/2018 e Organics (GRO) mb-40389	Batch Analysis D Result 24 450 SampT	n ID: 40 nate: 9/ PQL 5.0	389 18/2018 SPK value 25.00 500.0 BLK	F S SPK Ref Val 0 Tes	RunNo: 5 SeqNo: 1 %REC 97.0 89.3	4218 794195 LowLimit 70 70 PA Method	Units: mg/ł HighLimit 130 130	<g< b=""> %RPD</g<>	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	LCSS 9/17/2018 e Organics (GRO) mb-40389	Batch Analysis D Result 24 450 SampT	n ID: 40 ate: 9/ PQL 5.0 Type: ME n ID: 40	389 18/2018 SPK value 25.00 500.0 3LK 389	F SPK Ref Val 0 Tes F	RunNo: 5 SeqNo: 1 %REC 97.0 89.3 tCode: E	4218 794195 LowLimit 70 70 PA Method 4218	Units: mg/ł HighLimit 130 130	⟨g %RPD Gasoline	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	LCSS 9/17/2018 e Organics (GRO) mb-40389 PBS	Batch Analysis D Result 24 450 SampT Batch	n ID: 40 ate: 9/ PQL 5.0 Type: ME n ID: 40	389 18/2018 SPK value 25.00 500.0 3LK 389 18/2018	F SPK Ref Val 0 Tes F	RunNo: 5 SeqNo: 1 %REC 97.0 89.3 tCode: E RunNo: 5 SeqNo: 1	4218 794195 LowLimit 70 70 PA Method 4218	Units: mg/ł HighLimit 130 130 8015D Mod:	⟨g %RPD Gasoline	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	LCSS 9/17/2018 e Organics (GRO) mb-40389 PBS	Batch Analysis D Result 24 450 SampT Batch Analysis D	n ID: 40 nate: 9/ PQL 5.0 rype: ME n ID: 40 pate: 9/	389 18/2018 SPK value 25.00 500.0 3LK 389 18/2018	F SPK Ref Val 0 Tes F	RunNo: 5 SeqNo: 1 %REC 97.0 89.3 tCode: E RunNo: 5 SeqNo: 1	4218 794195 2000 70 70 PA Method 4218 794196	Units: mg/k HighLimit 130 130 8015D Mod: Units: mg/k	⟨g %RPD Gasoline Kg	RPDLimit Range	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1809891

24-Sep-18

		01 Hawkins NE cque, NM 87109 : 505-345-4107	Sam	nple Log-In Cl	neck List
Client Name: TALON ARTESIA Wo	rk Order Number: 180	9891		RcptNo:	1
Received By: Jazzmine Burkhead 9/14/3	2018 8:55:00 AM	file	- Backhol Niirell G		
Completed By: Michelle Garcia 9/14/2	2018 2:37:58 PM	4	Ninu G	anue	
Reviewed By: ENM 9/17	7/18 , ,				
Chain of Custody Labeled by ! -	JAB 00/17/1	8			
V			N- 🗖		
1. Is Chain of Custody complete?		s 🗹	No 🗌	Not Present	
2. How was the sample delivered?	Co	urier			
<u>Log In</u>				_	
3. Was an attempt made to cool the samples?	Yes	s 🗹	No 🗋	NA 🗌	
4. Were all samples received at a temperature of >0°	C to 6.0°C Yes	s 🗹	No 🗌		
5. Sample(s) in proper container(s)?	Yes	s 🔽	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Yes		No 🗌		
7. Are samples (except VOA and ONG) properly prese	rved? Yes		No 🗌		
8. Was preservative added to bottles?	Yes		No 🗹	NA 🗌	
9. VOA vials have zero headspace?	Yes		No 🗌	No VOA Vials 🗹	
10. Were any sample containers received broken?	Ye	s 🗆	No 🗹 [# of preserved	
11. Does paperwork match bottle labels?	Yes	. 🗸	No 🗆	bottles checked	12 unless noted)
(Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain of Custod	v? Yes		No 🗆	Adjusted?	Δ
13. Is it clear what analyses were requested?			No 🗌	$\neg \uparrow$	P
14. Were all holding times able to be met?	Yes	s 🖌	No 🗆	Checked by	
(If no, notify customer for authorization.)					
Special Handling (if applicable)					
15. Was client notified of all discrepancies with this ord	er? Ye	s 🗌	No 🗌		
Person Notified:	Date:				
By Whom:	Via: 🗌 el	Viail 🗌 Phon	e 🗌 Fax	In Person	
Regarding:	DALFAR LORALD & LEWIS CONTRACTOR		0.2007.00.200.000.000		
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u> <u>Cooler No</u> Temp ⁹ C Condition Sea Infa 1 4.2 Good Yes	ct Seal No Seal	Date Sig	ned By		

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request		S,4Oq) (2808 (1.1 (1.1) (1.1)	8 10 8 10 8 10 8 20 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	TPH (Method EDB (Method PAH's (8310 PAH's (8310 PAH's (8310 Panions (F,Cl 8270 (1,00 8270 (5emi-1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2															OG/14/18/08:55
	4901	Tel. 5		(ʎĮu		HdT	E +	атех) мте втех + мте втех + мте втех + мте ястоя (<u>r</u>	Dannel (annel	08:55
Cch Cch	Batter		6-01				No. C	C 15036	100-	-002	500-	-100-	200-	900-	1-00-	-2003	-00-	0/0	-110-	610-	۲. י	7//7/[S (CCC)	
Time: Sda Bush	Fed	•	101307-116-01	iger:	ors		LA YES T	Preservative Type	LCE	~										\land	1		Int Bullin
Turn-Around Time:	Malco B	Project #:	10/	Project Manager:	Chris Jones	Sampler:	On loes by by western	Container Type and #	4	-									$\langle \rangle$	Å	Received by:	Para Andre	
Chain-of-Custody Record エフィールビ	Texas	0/C	46-8768	telan (pe com				Sample Request ID	5-1 0.5'		5-1 2'	5-2 0.51		5-2 2'	5-3 0.5'	5-3 1'	5-3 <i>D</i> '	-	S-4 1'	5-4, 2'	pd	the second s	1/1/10/ All All All All All All All All All Al
-of-Cus	s: 408 W.	Actesia	75-746	cjores @	>			Matrix			• •							7		4	Relinquished by:		AND O
Chain-o ^{Client: Ta/bn}	Mailing Address:		Phone #: 57	1.11.1	QA/QC Package:	Accreditation		Date	9-12 1:000	/:00	1:12	1:18	1. 24	es:/	1 E:/	7.42	<i>₽ħ</i> :/	1:52	1:2	1 2:06		x/1/2/18/1/20	9/15/18/19/14

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request					→	data will be clearly notated on the analytical report.
HALL ANAL www.ha 4901 Hawkins NE Tei. 505-345-3975	BTEX + MTBE + TMB's (8021) BTEX + MTBE + TPH (Gas only) TPH (Method 418.1) EDB (Method 504.1)	· · · · ·			>	トレート トレート トレート Remarks: <i>Cov.</i> U.: ビビ 多 possibility. Any sub-contract
Turn-Around Time: 5 dery (ium) Standard Rush Project Name: Line Rock Molco & Ed Brtury Project #:		Jer Ice -013	- 9 9 10 2	E10-11	v v	Time: Relinquished by: Received by Date Time Remarks: 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 11.00 00 11.00 00.00 11.00 11.00 11.00 00 11.00 00.00 11.00 11.00 11.00 00 00.00 00.00 00.00 11.00 00 00 00.00 00.00 00.00 11.00 00 00 00.00 00.00 00.00 11.00 00 00 00.00 00.00 00.00 11.00 00 00.00 00.00 00.00 00.00 11.00 00 00.00 00.00 00.00 00.00 11.00 00.00 00.00 00.00 00.00 00.00 11.00 00.00 00.00 00.00 00.00 00.00 <
Chain-of-Custody Record 75/6n LPE Address: 408 W. TOES Arderig MM R210	Time Matrix Sample Request ID	7:12 5-5 1' 2-18 6-5 2'	5-6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -	5 C	7:54 S-10 BC D.S'	Time: Relinquished by: 11cc Relinquished by: 17me: Relinquished by:
Client: Chant	Date Tir	21-6			+	Date: Ui J IS Pate: MIJU

HALL ENVIRONMENTAL ANALYSIS LABORATORY

December 11, 2018

Chris Jones Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX

RE: Limerock Malco

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

OrderNo.: 1812377

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 19 sample(s) on 12/7/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1812377	

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 12/11/2018

CLIENT: Talon Artesia Project: Limerock Malco	Client Sample ID: 17-2'Collection Date: 12/6/2018 10:00:00 AMMatrix: SOILReceived Date: 12/7/2018 8:45:00 AM								
Lab ID: 1812377-001 Analyses	Result		Qual Units		Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	MRA			
Chloride	8600	300	mg/Kg	200) 12/10/2018 8:05:05 PM	42000			
					Analyst:	том			
EPA METHOD 8015M/D: DIESEL RANGE	50	10	mg/Kg	1	12/10/2018 9:58:33 AM	41977			
Diesel Range Organics (DRO)	S0 ND	50	mg/Kg	1	12/10/2018 9:58:33 AM				
Motor Oil Range Organics (MRO) Surr: DNOP	110	50.6-138	%Rec	1	12/10/2018 9:58:33 AM	41977			
EPA METHOD 8015D: GASOLINE RANGE	-				Analyst:	NSB			
	- ND	4.7	mg/Kg	1	12/10/2018 4:13:02 PM	41968			
Gasoline Range Organics (GRO) Surr: BFB	77.2	73.8-119	%Rec	1	12/10/2018 4:13:02 PM	41968			
EPA METHOD 8260B: VOLATILES SHOR	TUST				Analyst	AG			
	ND	0.023	mg/Kg	1	12/10/2018 6:23:15 PM	41968			
Benzene	ND	0.047	• •	1	12/10/2018 6:23:15 PM	41968			
Toluene	ND	0.047		1	12/10/2018 6:23:15 PM	41968			
Ethylbenzene Xylenes, Total	ND	0.094	0 0	1	12/10/2018 6:23:15 PM	41968			
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	12/10/2018 6:23:15 PM	41968			
Surr: Toluene-d8	104	70-130	%Rec	1	12/10/2018 6:23:15 PM	41968			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte o
x	D	Sample Diluted Due to Matrix	Е	Value ab
	Н	Holding times for preparation or analysis exceeded	J	Analyte o
	ND	Not Detected at the Reporting Limit	Р	Sample p
		Practical Quanitative Limit	RL	Reportin
	· · · ·	•		

- S % Recovery outside of range due to dilution or matrix
- 3 Analyte detected in the associated Method Blank
- E Value above quantitation range
 - J Analyte detected below quantitation limits Page 1 of 26
 - P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall E	nvironmental Analysis	Laboratory,	Inc.				Date Reported: 12/11/20)18			
CLIENT: Project: Lab ID:	: Talon Artesia Limerock Malco 1812377-002	Client Sample ID: 17- 2.5' R Collection Date: 12/6/2018 10:10:00 AM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM									
Analyse	5	Result	PQL	Qual	Units	DF	Date Analyzed	Batch			
EPA ME	THOD 300.0: ANIONS						Analyst:	MRA			
Chloride	2	8700	300		mg/Kg	200	12/10/2018 8:17:29 PM	42000			
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	том			
	Range Organics (DRO)	ND	9.5		mg/Kg	1	12/10/2018 10:22:47 AM	A 41977			
	il Range Organics (MRO)	ND	47		mg/Kg	1	12/10/2018 10:22:47 AM	/ 41977			
	DNOP	109	50.6-138		%Rec	1	12/10/2018 10:22:47 AM	/ 41977			
EPA ME	THOD 8015D: GASOLINE RANG	E					Analyst	NSB			
Gasolin	e Range Organics (GRO)	ND	4.7		mg/Kg	1	12/10/2018 4:35:47 PM	41968			
Surr:	BFB	80.7	73.8-119		%Rec	1	12/10/2018 4:35:47 PM	41968			
EPA ME	THOD 8260B: VOLATILES SHO	RT LIST					Analyst	AG			
Benzen	e	ND	0.023		mg/Kg	1	12/10/2018 6:51:47 PM	41968			
Toluene		ND	0.047		mg/Kg	1	12/10/2018 6:51:47 PM	41968			
Ethylbe	nzene	ND	0.047		mg/Kg	1	12/10/2018 6:51:47 PM	41968			
Xylenes	s, Total	ND	0.094		mg/Kg	1	12/10/2018 6:51:47 PM				
Surr:	4-Bromofluorobenzene	97.6	70-130		%Rec	1	12/10/2018 6:51:47 PM				
Surr:	Toluene-d8	103	70-130		%Rec	1	12/10/2018 6:51:47 PM	41968			

,

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
C C	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		· ·		

Hall Environmental Analysis	Laboratory,	Inc.			Date Reported: 12/11/20	18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-003	Matrix: SOIL			e: 12/0	2' 6/2018 10:25:00 AM 7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	5300	300	mg/Kg	200	12/10/2018 8:29:53 PM	42000
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	том
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/10/2018 10:47:10 AM	A 41977
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/10/2018 10:47:10 AN	1 41977
Surr: DNOP	108	50.6-138	%Rec	1	12/10/2018 10:47:10 AM	/ 41977
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/10/2018 4:58:31 PM	41968
Surr: BFB	80.3	73.8-119	%Rec	1	12/10/2018 4:58:31 PM	41968
EPA METHOD 8260B: VOLATILES SHOR	TLIST				Analyst	AG
Benzene	ND	0.024	mg/Kg	1	12/10/2018 7:20:15 PM	41968
Toluene	ND	0.048	mg/Kg	1	12/10/2018 7:20:15 PM	41968
Ethylbenzene	ND	0.048	mg/Kg	1	12/10/2018 7:20:15 PM	41968
Xylenes, Total	ND	0.096	mg/Kg	1	12/10/2018 7:20:15 PM	41968
Surr: 4-Bromofluorobenzene	90.6	70-130	%Rec	1	12/10/2018 7:20:15 PM	
Surr: Toluene-d8	104	70-130	%Rec	1	12/10/2018 7:20:15 PM	41968

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analys	sis Laboratory,	Inc.	ya ang sang sang sang sang sang sang sang		Lab Order 1812377 Date Reported: 12/11/2	018
CLIENT: Talon Artesia Project: Limerock Malco			ient Sample Collection Da		0-2.5' R /6/2018 10:35:00 AM	
Lab ID: 1812377-004	Matrix: SOIL		Received Da	i te: 12	/7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	MRA
Chloride	5100	300	mg/K	g 20	0 12/10/2018 8:42:17 PM	42000
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.9	mg/K	g 1	12/10/2018 11:11:32 A	M 41977
Motor Oil Range Organics (MRO)	ND	50	mg/K	g 1	12/10/2018 11:11:32 A	M 41977
Surr: DNOP	116	50.6-138	%Re	; 1	12/10/2018 11:11:32 A	M 41977
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/K	g 1	12/10/2018 5:21:14 PM	1 41968
Surr: BFB	83.0	73.8-119	%Re	c 1	12/10/2018 5:21:14 PN	41968
EPA METHOD 8260B: VOLATILES SI	HORT LIST				Analys	t: AG
Benzene	ND	0.023	mg/K	g 1	12/10/2018 7:48:41 PM	1 41968
Toluene	ND	0.046	mg/K	g 1	12/10/2018 7:48:41 PM	1 41968
Ethylbenzene	ND	0.046	mg/K	g 1	12/10/2018 7:48:41 PM	1 41968
Xylenes, Total	ND	0.092	mg/K	g 1	12/10/2018 7:48:41 PM	
Surr: 4-Bromofluorobenzene	94.7	70-130	%Re	c 1	12/10/2018 7:48:41 PM	
Surr: Toluene-d8	104	70-130	%Re	c 1	12/10/2018 7:48:41 PM	A 41968

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
2	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 26
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
		% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.	an a	Contractor and	Date Reported: 12/11/20	18		
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-005	Client Sample ID: 25-0' Collection Date: 12/6/2018 10:50:00 AM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	MRA		
Chloride	6500	300	mg/Kg	200) 12/10/2018 8:54:42 PM	42000		
EPA METHOD 8015M/D: DIESEL RANGE					Analyst:	том		
Diesel Range Organics (DRO)	43	9.9	mg/Kg	1	12/10/2018 12:00:11 PN	1 4 1 9 7		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/10/2018 12:00:11 PM	1 4197		
Surr: DNOP	114	50.6-138	%Rec	1	12/10/2018 12:00:11 PN	1 4197		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 7:37:19 PM	4196		
Surr: BFB	83.8	73.8-119	%Rec	1	12/10/2018 7:37:19 PM	4196		
EPA METHOD 8260B: VOLATILES SHOP	RT LIST				Analyst:	AG		
Benzene	ND	0.024	mg/Kg	1	12/10/2018 8:17:06 PM	4196		
Toluene	ND	0.049	mg/Kg	1	12/10/2018 8:17:06 PM	4196		
Ethylbenzene	ND	0.049	mg/Kg	1	12/10/2018 8:17:06 PM	4196		
Xylenes, Total	ND	0.098	mg/Kg	1	12/10/2018 8:17:06 PM	4196		
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	12/10/2018 8:17:06 PM			
Surr: Toluene-d8	105	70-130	%Rec	1	12/10/2018 8:17:06 PM	4196		

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

IL-H Envir tal Analysis I abaratary Inc

Analytical Report Lab Order 1812377 tod. 12/11/2018 n . n.

Laboratory,	Inc.			Date Reported: 12/11/2018		
Client Sample ID: 25-1' Collection Date: 12/6/2018 11:00:00 AM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM						
Result	PQL	Qual Units	DF	Date Analyzed Batc		
			500	Analyst: MRA 12/10/2018 9:07:06 PM 4200		
	750	mg/Kg	500			
ORGANICS				Analyst: TOM		
ND	9.7	mg/Kg	1	12/10/2018 12:24:32 PM 4197		
ND	48	0 0	1	12/10/2018 12:24:32 PM 4197		
113	50.6-138	%Rec	1	12/10/2018 12:24:32 PM 4197		
E				Analyst: NSB		
ND	4.8	mg/Kg	1	12/10/2018 7:59:57 PM 4196		
80.6	73.8-119	%Rec	1	12/10/2018 7:59:57 PM 4196		
T LIST				Analyst: AG		
ND	0.024	mg/Kg	1	12/10/2018 11:07:22 PM 4196		
ND	0.048	mg/Kg	1	12/10/2018 11:07:22 PM 4196		
ND	0.048	mg/Kg	1	12/10/2018 11:07:22 PM 4196		
ND	0.095	mg/Kg	1	12/10/2018 11:07:22 PM 4196		
93.4	70-130	%Rec	1	12/10/2018 11:07:22 PM 4196		
102	70-130	%Rec	1	12/10/2018 11:07:22 PM 4196		
	Matrix: SOIL Result 11000 ORGANICS ND 113 I ND 80.6 T LIST ND ND ND ND ND ND 93.4	Matrix: SOIL Result PQL 11000 750 ORGANICS ND ND 9.7 ND 48 113 50.6-138 Image: Solid Component of the system ND ND 4.8 80.6 73.8-119 TLIST ND 0.024 ND 0.048 ND 0.048 ND 0.048 ND 0.095 93.4 70-130 70-130	Client Sample ID Collection Date Matrix: SOIL Received Date Result PQL Qual Units 11000 750 mg/Kg ORGANICS ND 9.7 mg/Kg ND 9.7 mg/Kg 113 50.6-138 %Rec U 4.8 mg/Kg 80.6 73.8-119 %Rec TLIST ND 0.024 mg/Kg ND 0.048 mg/Kg ND 0.048 mg/Kg ND 0.095 mg/Kg ND 0.095 mg/Kg	Client Sample ID: 25- Collection Date: 12/ Matrix: SOIL Received Date: 12/ Result PQL Qual Units DF 11000 750 mg/Kg 500 ORGANICS ND 9.7 mg/Kg 1 ND 9.7 mg/Kg 1 113 50.6-138 %Rec 1 III Solid 73.8-119 %Rec 1 ND 4.8 mg/Kg 1 ND 4.8 mg/Kg 1 ND 0.024 mg/Kg 1 ND 0.024 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.048 mg/Kg 1 ND 0.095 mg/Kg 1 ND 0.095 mg/Kg 1 ND 0.095 mg/Kg 1 ND </td		

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
X	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 26
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.			Date Reported: 12/11/2018	-	
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-007	Client Sample ID: 25-2' R Collection Date: 12/6/2018 11:10:00 Matrix: SOIL Received Date: 12/7/2018 8:45:00						
Analyses	Result	PQL	Qual Units	DF	Date Analyzed Ba	tch	
EPA METHOD 300.0: ANIONS					Analyst: MF	RA	
Chloride	3100	150	mg/Kg	100	12/10/2018 9:19:30 PM 42	:000	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: TC	ЭM	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	12/10/2018 12:48:55 PM 41	97	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/10/2018 12:48:55 PM 41	97	
Surr: DNOP	117	50.6-138	%Rec	1	12/10/2018 12:48:55 PM 41	97	
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NS	SВ	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/10/2018 8:22:31 PM 41	96	
Surr: BFB	80.6	73.8-119	%Rec	1	12/10/2018 8:22:31 PM 41	96	
EPA METHOD 8260B: VOLATILES SHOR	T LIST				Analyst: AC	G	
Benzene	ND	0.023	mg/Kg	1	12/10/2018 11:35:42 PM 41	96	
Toluene	ND	0.047	mg/Kg	1	12/10/2018 11:35:42 PM 41	196	
Ethylbenzene	ND	0.047	mg/Kg	1	12/10/2018 11:35:42 PM 41		
Xylenes, Total	ND	0.093	mg/Kg	1	12/10/2018 11:35:42 PM 41		
Surr: 4-Bromofluorobenzene	96.0	70-130		1	12/10/2018 11:35:42 PM 41		
Surr: Toluene-d8	105	70-130	%Rec	1	12/10/2018 11:35:42 PM 41	196	

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 7 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order 18123/7 Date Reported: 12/11/20	18		
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-008	Client Sample ID: 26-0'Collection Date: 12/6/2018 11:25:00 AMMatrix: SOILReceived Date: 12/7/2018 8:45:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS Chloride	33	30	mg/Kg	20	Analyst: 12/10/2018 2:42:25 PM			
EPA METHOD 8015M/D: DIESEL RANGE Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	ORGANICS 11 ND	9.9 49	mg/Kg mg/Kg	1 1	Analyst: 12/10/2018 1:13:24 PM 12/10/2018 1:13:24 PM	41977		
Surr: DNOP EPA METHOD 8015D: GASOLINE RANG	125	50.6-138	%Rec	1	12/10/2018 1:13:24 PM Analyst:			
Gasoline Range Organics (GRO) Surr: BFB	- ND 79.8	4.9 73.8-119	mg/Kg %Rec	1 1	12/10/2018 8:45:09 PM 12/10/2018 8:45:09 PM			
EPA METHOD 8260B: VOLATILES SHOP			11.4		Analyst:			
Benzene Toluene Ethylbenzene	ND ND ND	0.025 0.049 0.049	mg/Kg mg/Kg mg/Kg	1 1 1	12/11/2018 12:04:01 AM 12/11/2018 12:04:01 AM 12/11/2018 12:04:01 AM	Л 41968 Л 41968		
Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8	ND 92.9 102	0.098 70-130 70-130	%Rec	1 1 1	12/11/2018 12:04:01 AM 12/11/2018 12:04:01 AM 12/11/2018 12:04:01 AM	A 41968		

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 8 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		-		

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order 1812377 Date Reported: 12/11/2018		
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-009	Matrix: SOIL	C	Client Sample ID: 26-1' Collection Date: 12/6/2018 11:35:00 AM Received Date: 12/7/2018 8:45:00 AM				
Analyses	Result	PQL	Qual Units	DF	Date Analyzed Bate		
EPA METHOD 300.0: ANIONS					Analyst: MR		
Chloride	61	30	mg/Kg	20	12/10/2018 2:54:49 PM 420		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: TOI		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/10/2018 1:37:40 PM 419		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 1:37:40 PM 419		
Surr: DNOP	107	50.6-138	%Rec	1	12/10/2018 1:37:40 PM 419		
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst: NSI		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/10/2018 9:07:44 PM 419		
Surr: BFB	81.2	73.8-119	%Rec	1	12/10/2018 9:07:44 PM 419		
EPA METHOD 8260B: VOLATILES SHOR	T LIST				Analyst: AG		
Benzene	ND	0.023	mg/Kg	1	12/11/2018 12:32:19 AM 419		
Toluene	ND	0.046	mg/Kg	1	12/11/2018 12:32:19 AM 419		
Ethylbenzene	ND	0.046	mg/Kg	1	12/11/2018 12:32:19 AM 419		
Xylenes, Total	ND	0.092	mg/Kg	1	12/11/2018 12:32:19 AM 419		
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	12/11/2018 12:32:19 AM 419		
Surr: Toluene-d8	102	70-130	%Rec	1	12/11/2018 12:32:19 AM 419		

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 9 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	-	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1812377 Date Reported: 12/11/2018

Hall E	nvironmental Analys	is Laboratory,	Inc.			Date Reported: 12/11/20	18		
CLIENT: Project: Lab ID:	Talon Artesia Limerock Malco 1812377-010	Client Sample ID: 27-0' Collection Date: 12/6/2018 11:50:00 AN Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA ME	THOD 300.0: ANIONS					Analyst:	MRA		
Chloride		14000	750	mg/Kg	500) 12/10/2018 9:31:55 PM	42000		
	THOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	том		
	ange Organics (DRO)	23	9.4	mg/Kg	1	12/10/2018 2:26:31 PM	4197		
	il Range Organics (MRO)	ND	47	mg/Kg	1	12/10/2018 2:26:31 PM	4197		
	DNOP	118	50.6-138	%Rec	1	12/10/2018 2:26:31 PM	4197		
FPA MF	THOD 8015D: GASOLINE RAM	IGE				Analyst	NSB		
	e Range Organics (GRO)	ND	5.0	mg/Kg	1	12/10/2018 9:30:18 PM	4196		
Surr:		85.1	73.8-119	%Rec	1	12/10/2018 9:30:18 PM	4196		
FPA ME	THOD 8260B: VOLATILES SH	ORT LIST				Analyst	: AG		
Benzen		ND	0.025	mg/Kg	1	12/11/2018 1:00:35 AM	4196		
Toluene		ND	0.050	mg/Kg	1	12/11/2018 1:00:35 AM	4196		
Ethylbe		ND	0.050	mg/Kg	1	12/11/2018 1:00:35 AM	4196		
Xylenes		ND	0.10	mg/Kg	1	12/11/2018 1:00:35 AM			
Surr:	4-Bromofluorobenzene	94.6	70-130		1	12/11/2018 1:00:35 AM			
Surr:	Toluene-d8	98.9	70-130	%Rec	1	12/11/2018 1:00:35 AM	4196		

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Quinnersi	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 10 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall E	nvironmental Analysis	Laboratory,	Inc.			Date Reported: 12/11/2	018
CLIENT: Project: Lab ID:	Talon Artesia Limerock Malco 1812377-011	Matrix: SOIL	C		e: 12/	1' 6/2018 12:00:00 PM 7/2018 8:45:00 AM	
Analyses	3	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	
Chloride	9	5600	300	mg/Kg	200	12/10/2018 10:09:09 P	M 42000
EPA ME	THOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: том
	Range Organics (DRO)	ND	9.6	mg/Kg	1	12/10/2018 2:50:56 PM	41977
	il Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 2:50:56 PN	41977
Surr:	DNOP	109	50.6-138	%Rec	1	12/10/2018 2:50:56 PM	41977
EPA ME	THOD 8015D: GASOLINE RANG	E				Analys	: NSB
Gasolin	e Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 9:52:51 PN	41968
Surr:		81.0	73.8-119	%Rec	1	12/10/2018 9:52:51 PN	41968
EPA ME	THOD 8260B: VOLATILES SHOR					Analys	: AG
Benzen	e	ND	0.025	mg/Kg	1	12/11/2018 1:28:56 AN	41968
Toluene	-	ND	0.049	mg/Kg	1	12/11/2018 1:28:56 AM	1 41968
Ethylbe	nzene	ND	0.049	mg/Kg	1	12/11/2018 1:28:56 AN	1 41968
Xylenes	, Total	ND	0.098	mg/Kg	1	12/11/2018 1:28:56 AN	
Surr:	4-Bromofluorobenzene	93.5	70-130	%Rec	1	12/11/2018 1:28:56 AM	
Surr:	Toluene-d8	101	70-130	%Rec	1	12/11/2018 1:28:56 AN	1 41968

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 11 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1812377 Date Reported: 12/11/2018

Hall Environmental Analysis	s Laboratory,	Inc.			Date Reported: 12/11/20	18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-012	Matrix: SOIL	(e: 12/0	2' 6/2018 12:10:00 PM 7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	
Chloride	6100	300	mg/Kg	200	12/10/2018 10:21:33 PM	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/10/2018 3:15:14 PM	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/10/2018 3:15:14 PM	
Surr: DNOP	113	50.6-138	%Rec	1	12/10/2018 3:15:14 PM	41977
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 10:15:25 PM	1 41968
Surr: BFB	83.3	73.8-119	%Rec	1	12/10/2018 10:15:25 PM	1 4196
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst	AG
Benzene	ND	0.024	mg/Kg	1	12/11/2018 1:57:12 AM	41968
Toluene	ND	0.049	mg/Kg	1	12/11/2018 1:57:12 AM	4196
Ethylbenzene	ND	0.049	mg/Kg	1	12/11/2018 1:57:12 AM	4196
Xylenes, Total	ND	0.098	mg/Kg	1	12/11/2018 1:57:12 AM	
Surr: 4-Bromofluorobenzene	94.0	70-130	%Rec	1	12/11/2018 1:57:12 AM	
Surr: Toluene-d8	105	70-130	%Rec	1	12/11/2018 1:57:12 AM	4196

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 12 of 26
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
		% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1812377

Hall Environmental Analysis Laboratory, Inc.						Date Reported: 12/11/2)18			
CLIENT: Project: Lab ID:	Talon Artesia Limerock Malco 1812377-013	Matrix: SOIL	Client Sample ID: 27-3' Collection Date: 12/6/2018 12:20:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Analyses	;	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	MRA			
Chloride		8500	300	mg/Kg	200) 12/10/2018 10:33:57 PI	A 41984			
EPA ME	THOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	том			
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	12/10/2018 3:39:38 PM	41977			
	il Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 3:39:38 PM	41977			
Surr:	DNOP	109	50.6-138	%Rec	1	12/10/2018 3:39:38 PM	41977			
EPA ME	THOD 8015D: GASOLINE RA	NGE				Analyst	NSB			
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 10:37:59 PI	M 41968			
Surr:	BFB	81.1	73.8-119	%Rec	1	12/10/2018 10:37:59 Pl	M 4196			
EPA ME	THOD 8260B: VOLATILES S	HORT LIST				Analyst	: AG			
Benzen	e	ND	0.024	mg/Kg	1	12/11/2018 2:25:29 AM	4196			
Toluene)	ND	0.049	mg/Kg	1	12/11/2018 2:25:29 AN	4196			
Ethylber	nzene	ND	0.049	mg/Kg	1	12/11/2018 2:25:29 AN				
Xylenes	, Total	ND	0.097	mg/Kg	1	12/11/2018 2:25:29 AN				
Surr:	4-Bromofluorobenzene	90.2	70-130		1	12/11/2018 2:25:29 AN				
Surr:	Toluene-d8	104	70-130	%Rec	1	12/11/2018 2:25:29 AN	41968			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Quanners	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limitspage 13 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory,	Inc.			Lab Order 1812377 Date Reported: 12/11/20	018		
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-014	Client Sample ID: 27-3.5' Collection Date: 12/6/2018 12:30:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS	0700	750	mg/Kg	500	Analyst 12/10/2018 10:46:22 Pl			
Chloride EPA METHOD 8015M/D: DIESEL RANG	9700 E ORGANICS	750	nig/Kg	500	Analyst			
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	12/10/2018 4:03:56 PM			
Motor Oil Range Organics (MRO) Surr: DNOP	ND 110	49 50.6-138	mg/Kg %Rec	1 1	12/10/2018 4:03:56 PN 12/10/2018 4:03:56 PN			
EPA METHOD 8015D: GASOLINE RANG	BE				Analyst	II NSB		
Gasoline Range Organics (GRO) Surr: BFB	ND 82.1	4.9 73.8-119	mg/Kg %Rec	1 1	12/10/2018 11:00:29 P 12/10/2018 11:00:29 P			
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analys	t: AG		
Benzene	ND	0.025	mg/Kg	1	12/11/2018 2:53:42 AN	1 41968		
Toluene	ND	0.049	mg/Kg	1	12/11/2018 2:53:42 AM			
Ethylbenzene	ND	0.049	mg/Kg	1	12/11/2018 2:53:42 AM			
Xylenes, Total	ND	0.099	mg/Kg	1	12/11/2018 2:53:42 AM			
Surr: 4-Bromofluorobenzene Surr: Toluene-d8	96.6 103	70-130 70-130	%Rec %Rec	1 1	12/11/2018 2:53:42 AN 12/11/2018 2:53:42 AN			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 14 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	s Laboratory,	Inc.			Date Reported: 12/11/2	018		
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-015	Client Sample ID: 27-4'Collection Date: 12/6/2018 12:40:00 PMMatrix: SOILReceived Date: 12/7/2018 8:45:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	9400	750	mg/Kg	500	12/10/2018 10:58:47 P	M 41984		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: том		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/10/2018 6:05:13 PN	41978		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 6:05:13 PN	41978		
Surr: DNOP	102	50.6-138	%Rec	1	12/10/2018 6:05:13 PM	41978		
EPA METHOD 8015D: GASOLINE RANG	BE				Analys	I: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/11/2018 1:06:31 AM	1 41975		
Surr: BFB	88.7	73.8-119	%Rec	1	12/11/2018 1:06:31 AM	41975		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.024	mg/Kg	1	12/11/2018 1:06:31 AM	1 41975		
Toluene	ND	0.048	mg/Kg	1	12/11/2018 1:06:31 AM	1 41975		
Ethylbenzene	ND	0.048	mg/Kg	1	12/11/2018 1:06:31 AN			
Xylenes, Total	ND	0.095	mg/Kg	1	12/11/2018 1:06:31 AN			
Surr: 4-Bromofluorobenzene	96.5	80-120	%Rec	1	12/11/2018 1:06:31 AN	41975		

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 15 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order 1812377
Date Reported: 12/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT:Talon ArtesiaProject:Limerock MalcoLab ID:1812377-016	Client Sample ID: 28-0' Collection Date: 12/6/2018 1:00:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM								
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	2000	75	mg/Kg	50	12/10/2018 11:11:11 PM	A 41984			
EPA METHOD 8015M/D: DIESEL RANGE					Analyst	том			
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	12/10/2018 6:29:25 PM	41978			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/10/2018 6:29:25 PM	41978			
Surr: DNOP	102	50.6-138	%Rec	1	12/10/2018 6:29:25 PM	41978			
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/11/2018 1:29:43 AM	41975			
Surr: BFB	86.1	73.8-119	%Rec	1	12/11/2018 1:29:43 AM	41975			
EPA METHOD 8021B: VOLATILES					Analyst	NSB			
Benzene	ND	0.023	mg/Kg	1	12/11/2018 1:29:43 AM	41975			
Toluene	ND	0.046	mg/Kg	1	12/11/2018 1:29:43 AM	41975			
Ethylbenzene	ND	0.046	mg/Kg	1	12/11/2018 1:29:43 AM	41975			
Xylenes, Total	ND	0.092	mg/Kg	1	12/11/2018 1:29:43 AM	41975			
Surr: 4-Bromofluorobenzene	92.6	80-120	%Rec	1	12/11/2018 1:29:43 AM	41975			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
2	Ð	Sample Diluted Due to Matrix	Е	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 16 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
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Hall Environmental Analys	sis Laboratory,	Inc.			Lab Order 1812377 Date Reported: 12/11/20)18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-017	Matrix: SOIL	Ca		e: 12/	.1' 6/2018 1:10:00 PM 7/2018 8:45:00 AM	
Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	9600	750	mg/Kg	500	Analyst) 12/10/2018 11:23:35 Pl	
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst	
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 105	9.3 47 50.6-138	mg/Kg mg/Kg %Rec	1 1 1	12/10/2018 6:53:38 PM 12/10/2018 6:53:38 PM 12/10/2018 6:53:38 PM	41978
EPA METHOD 8015D: GASOLINE RA	NGF				Analys	: NSB
Gasoline Range Organics (GRO) Surr: BFB	ND 84.4	4.8 73.8-119	mg/Kg %Rec	1 1	12/11/2018 1:52:54 AM 12/11/2018 1:52:54 AM	41975
EPA METHOD 8021B: VOLATILES					Analys	
Benzene Toluene Ethylbenzene Xylenes, Total	ND ND ND ND	0.024 0.048 0.048 0.096	mg/Kg mg/Kg mg/Kg mg/Kg	1 1 1 1	12/11/2018 1:52:54 AM 12/11/2018 1:52:54 AM 12/11/2018 1:52:54 AM 12/11/2018 1:52:54 AM	1 41975 1 41975 1 41975
Surr: 4-Bromofluorobenzene	91.4	80-120	%Rec	1	12/11/2018 1:52:54 AN	1 41975

Analytical Report

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
2	D	Sample Diluted Due to Matrix	E	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 17 of 26
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		· -		

Hall Environmental Analy	ysis Laboratory,	Inc.			Date Reported: 12/11/2	018				
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-018	Matrix: SOIL	Client Sample ID: 28-2' Collection Date: 12/6/2018 1:20:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM								
Analyses	Result	PQL Qual Units		DF	Batcl					
EPA METHOD 300.0: ANIONS					Analyst	: MRA				
Chloride	9700	300	mg/Kg	200	12/10/2018 11:36:00 P	M 41984				
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: том				
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	12/10/2018 7:17:37 PN	4197				
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/10/2018 7:17:37 PM					
Surr: DNOP	114	50.6-138	%Rec	1	12/10/2018 7:17:37 PM	1 4197				
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/11/2018 2:16:03 AN	4197				
Surr: BFB	86.5	73.8-119	%Rec	1	12/11/2018 2:16:03 AM	1 4197				
EPA METHOD 8021B: VOLATILES					Analys	t: NSB				
Benzene	ND	0.025	mg/Kg	1	12/11/2018 2:16:03 AM	4197				
Toluene	ND	0.050	mg/Kg	1	12/11/2018 2:16:03 AN					
Ethylbenzene	ND	0.050	mg/Kg	1	12/11/2018 2:16:03 AM					
Xylenes, Total	ND	0.10	00	1	12/11/2018 2:16:03 AM					
Surr: 4-Bromofluorobenzene	93.6	80-120	%Rec	1	12/11/2018 2:16:03 AM	/ 419/				

Analytical Report Lab Order 1812377

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Quinnersi	D	Sample Diluted Due to Matrix	E	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 18 of 26
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		· -		

Hall Environmental Analysis	Laboratory,	Inc.			Date Reported: 12/11/20)18			
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812377-019	Matrix: SOIL	Client Sample ID: 28-3' R Collection Date: 12/6/2018 1:30:0 Matrix: SOIL Received Date: 12/7/2018 8:45:0							
Analyses	Result	PQL	Qual Units DF Date Analyzed F			Batel			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	4500	150	mg/Kg	100	12/10/2018 11:48:25 PM	A 4198			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	TOM			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	12/10/2018 7:41:37 PM	4197			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 7:41:37 PM				
Surr: DNOP	107	50.6-138	%Rec	1	12/10/2018 7:41:37 PM	4197			
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/11/2018 2:39:10 AM	4197			
Surr: BFB	87.6	73.8-119	%Rec	1	12/11/2018 2:39:10 AM	4197			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.024	mg/Kg	1	12/11/2018 2:39:10 AM	4197			
Toluene	ND	0.049	mg/Kg	1	12/11/2018 2:39:10 AN				
Ethylbenzene	ND	0.049	mg/Kg	1	12/11/2018 2:39:10 AN				
Xylenes, Total	ND	0.097	mg/Kg	1	12/11/2018 2:39:10 AN				
Surr: 4-Bromofluorobenzene	95.5	80-120	%Rec	1	12/11/2018 2:39:10 AN	4197			

Analytical Report Lab Order 1812377

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
•	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 19 of 26
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

...

Client:	Talon A	rtesia									
Project:	Limeroc	k Malco									
Sample ID	MB-41984	SampTyp	e: mb	lk	Test	Code: EF	PA Method	300.0: Anion	S		
Client ID:	PBS	Batch II	D: 419	984	R	unNo: 56	6164				
Prep Date:	12/7/2018	Analysis Dat	e: 12	/7/2018	S	eqNo: 1	877456	Units: mg/K	g		
Analyte Chloride		Result	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chionae			1.0								
Sample ID	LCS-41984	SampTyp	be: Ics		Test	Code: El	PA Method	300.0: Anion	S		
Client ID:	LCSS	Batch I	D: 419	984	R	unNo: 5	6164				
Prep Date:	12/7/2018	Analysis Dat	ie: 12	2/8/2018	S	eqNo: 1	877457	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	94.3	90	110			
Sample ID	MB-42000	SampTyp	oe: mb	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch I	D: 42	000	F	RunNo: 5	6209				
Prep Date:	12/10/2018	Analysis Dat	te: 12	2/10/2018	S	SeqNo: 1	878477	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-42000	SampTy	pe: Ics	;	Tes	tCode: E	PA Method	300.0: Anion	S		
Client ID:	LCSS	Batch I	D: 42	000	F	RunNo: 5	6209				
Prep Date:	12/10/2018	Analysis Da	te: 12	2/10/2018	5	SeqNo: 1	878479	Units: mg/M	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	95.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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SampType: LCS

Batch ID: 41977

Limerock Malco

Client:

Project:

Sample ID LCS-41977

Client ID: LCSS

TestCode: EPA Method 8015M/D: Diesel Range	e Organics
RunNo: 56204	
SeqNo: 1877368 Units: mg/Kg	

Prep Date: 12/7/2018	Analysis D	ate: 12	2/10/2018	S	eqNo: 18	377368	Units: mg/Kg	1		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.2	70	130			
Surr: DNOP	5.2		5.000		103	50.6	138			
Sample ID MB-41977	SampT	уре: МІ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Batch	n ID: 41	977	A	RunNo: 5 6	6204				
Prep Date: 12/7/2018	Analysis D	ate: 1	2/10/2018	S	SeqNo: 18	377369	Units: mg/Kg	9		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.3	50.6	138			
Sample ID 1812377-014AMS	SampT	ype: M	S	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: 27-3.5'	Batch	n ID: 41	977	F	RunNo: 5	6204				
Prep Date: 12/7/2018	Analysis D	Date: 1	2/10/2018	ę	SeqNo: 1	878030	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.55	0	90.7	53.5	126			
Surr: DNOP	5.3		4.955		106	50.6	138			
									<u> </u>	
Sample ID 1812377-014AMS	D Samp1	Гуре: М	SD	Tes	stCode: El	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: 27-3.5'	Batc	h ID: 41	977	F	RunNo: 5	6204				
Prep Date: 12/7/2018	Analysis E	Date: 1	2/10/2018	:	SeqNo: 1	878031	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.3	46.30	0	93.1	53.5	126	4.17	21.7	
Surr: DNOP	4.9		4.630		107	50.6	138	0	0	
Sample ID 1812377-019AMS	Samp ⁻	Гуре: М	S	Tes	stCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: 28-3' R	Batc	h ID: 4	1978		RunNo: 5	6204				
Prep Date: 12/7/2018	Analysis [Date: 1	2/10/2018		SeqNo: 1	878037	Units: mg/K	g		
Analyte	Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.8	49.07	0	99.1	53.5	126			
			1 0 0 7		440	E0 6	100			

4.907

Qualifiers:

Surr: DNOP

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

5.8

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

50.6

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Limerock Malco

Project: Limeroc	k Malco									
Sample ID 1812377-019AMS	D SampT	ype: MS	D	Test	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: 28-3' R	Batch	ID: 419	978	R	unNo: 5	6204				
Prep Date: 12/7/2018	Analysis D	ate: 12	2/10/2018	S	eqNo: 1	878038	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.5	47.53	0	93.5	53.5	126	9.00	21.7	
Surr: DNOP	5.3		4.753		112	50.6	138	0	0	
Sample ID LCS-41978	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 41	978	F	RunNo: 5	6204				
Prep Date: 12/7/2018	Analysis D	ate: 12	2/10/2018	S	BeqNo: 1	878039	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.7	70	130			
Surr: DNOP	5.2		5.000		104	50.6	138			
Sample ID MB-41978	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 41	978	F	RunNo: 5	6204				
Prep Date: 12/7/2018	Analysis D	Date: 12	2/10/2018	S	SeqNo: 1	878040	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	50.6	138			

Qualifiers:

Value exceeds Maximum Contaminant Level. *

Sample Diluted Due to Matrix D

- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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Client: Talon Artesia Limerock Malco **Project:** TestCode: EPA Method 8015D: Gasoline Range SampType: MBLK Sample ID MB-41975 RunNo: 56220 Client ID: PBS Batch ID: 41975 Units: mg/Kg SeqNo: 1877926 Analysis Date: 12/10/2018 Prep Date: 12/7/2018 RPDLimit Qual %RPD SPK value SPK Ref Val %REC LowLimit HighLimit Result PQL Analyte Gasoline Range Organics (GRO) 5.0 ND 93.7 73.8 119 1000 Surr: BFB 940 TestCode: EPA Method 8015D: Gasoline Range SampType: LCS Sample ID LCS-41975 RunNo: 56220 Client ID: Batch ID: 41975 LCSS Units: mg/Kg SeqNo: 1877927 12/7/2018 Analysis Date: 12/10/2018 Prep Date: Qual RPDLimit %RPD SPK value SPK Ref Val %REC LowLimit HighLimit Result PQL Analyte 80.1 123 0 100 25 5.0 25.00 Gasoline Range Organics (GRO) 119 1000 111 73.8 1100 Surr: BFB TestCode: EPA Method 8015D: Gasoline Range SampType: MS Sample ID 1812377-015AMS RunNo: 56220 Client ID: Batch ID: 41975 27-4 Units: mg/Kg SeqNo: 1877929 Analysis Date: 12/10/2018 Prep Date: 12/7/2018 RPDLimit Qual %RPD SPK value SPK Ref Val %REC LowLimit HighLimit PQL Result Analyte 98.6 77.8 128 24.56 n 24 4.9 Gasoline Range Organics (GRO) 105 73.8 119 982.3 1000 Surr: BFB TestCode: EPA Method 8015D: Gasoline Range Sample ID 1812377-015AMSD SampType: MSD RunNo: 56220 Batch ID: 41975 Client ID: 27-4 SeqNo: 1877930 Units: mg/Kg Analysis Date: 12/10/2018 Prep Date: 12/7/2018 RPDLimit Qual %RPD %REC LowLimit HighLimit PQL SPK value SPK Ref Val Result Analyte 2.04 20 77.8 128 0 95.0 5.0 24.98 24 Gasoline Range Organics (GRO) 0 0 107 73.8 119 999.0 1100 Surr: BFB TestCode: EPA Method 8015D: Gasoline Range SampType: MBLK Sample ID MB-41968 RunNo: 56221 Batch ID: 41968 Client ID: PBS SeqNo: 1877994 Units: mg/Kg Analysis Date: 12/10/2018 Prep Date: 12/7/2018 %RPD RPDLimit Qual SPK value SPK Ref Val %REC HighLimit LowLimit Result PQL Analyte Gasoline Range Organics (GRO) ND 5.0 119 89.1 73.8 890 1000 Surr: BFB

TestCode: EPA Method 8015D: Gasoline Range Sample ID LCS-41968 SampType: LCS RunNo: 56221 Batch ID: 41968 Client ID: LCSS SegNo: 1877995 Units: mg/Kg Prep Date: Analysis Date: 12/10/2018 12/7/2018 %RPD RPDLimit Qual %REC LowLimit HighLimit SPK value SPK Ref Val Result PQL Analyte

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND

Practical Quanitative Limit PQL

- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank в
- Value above quantitation range Ε
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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Talon Artesia **Client:** Limerock Malco **Project:**

Sample ID LCS-41968	SampT	ype: LC	S	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 41968				RunNo: 56221							
Prep Date: 12/7/2018 Analysis Date			2/10/2018	SeqNo: 1877995			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.0	80.1	123					
Surr: BFB	1100		1000		113	73.8	119					

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range P
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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Talon Arte	esia									
Limerock	Malco									
				Toot	Codo: ED	A Mothod	R021B: Volat	ilos		
							5021D. VOlat	1103		
							11.11			
12/7/2018	Analysis D	ate: 12	/10/2018	S	eqNo: 18	377968	Units: mg/K	g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ND	0.025								
	ND									
	ND									
	ND	0.10								
fluorobenzene	1.0		1.000		101	80	120			
_CS-41975	SampT	ype: LC	S	Test	Code: EF	PA Method	8021B: Volat	iles		
CSS	Batch	n ID: 419	975	R	unNo: 56	6220				
12/7/2018	Analysis D)ate: 12	2/10/2018	S	eqNo: 18	877969	Units: mg/K	g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
		0.025	1.000	0	96.5	80	120			
	1.0	0.050	1.000	0	100	80	120			
			1.000	0	101	80	120			
				0	102	80	120			
ofluorobenzene	1.1		1.000		111	80	120			
			· · · · · · · · · · · · · · · · · · ·	Tes	tCode: FI	PA Method	8021B: Vola	tiles		
		•••					00210. 0014			
28-0'	Balc	11D. 41	975	1	unii 10. U		Units: ma/k	(a		
101-10040	Amelucia F	Toto: 41	14010040	c	eallo 1	877879				
12/7/2018	Analysis [Date: 12					•	-		
12/7/2018	Analysis [Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
12/7/2018	•	PQL 0.024	SPK value 0.9479	SPK Ref Val 0	%REC 77.5	LowLimit 63.9	HighLimit 127	-	RPDLimit	Qual
12/7/2018	Result	PQL	SPK value	SPK Ref Val 0 0.008632	%REC 77.5 86.4	LowLimit 63.9 69.9	HighLimit 127 131	-	RPDLimit	Qual
12/7/2018	Result 0.73	PQL 0.024	SPK value 0.9479	SPK Ref Val 0	%REC 77.5 86.4 90.7	LowLimit 63.9 69.9 71	HighLimit 127 131 132	-	RPDLimit	Qual
12/7/2018	Result 0.73 0.83	PQL 0.024 0.047	SPK value 0.9479 0.9479	SPK Ref Val 0 0.008632	%REC 77.5 86.4	LowLimit 63.9 69.9 71 71.8	HighLimit 127 131 132 131	-	RPDLimit	Qual
12/7/2018 ofluorobenzene	Result 0.73 0.83 0.86	PQL 0.024 0.047 0.047	SPK value 0.9479 0.9479 0.9479	SPK Ref Val 0 0.008632 0	%REC 77.5 86.4 90.7	LowLimit 63.9 69.9 71	HighLimit 127 131 132	-	RPDLimit	Qual
	Result 0.73 0.83 0.86 2.6 0.93	PQL 0.024 0.047 0.047	SPK value 0.9479 0.9479 0.9479 2.844 0.9479	SPK Ref Val 0 0.008632 0 0	%REC 77.5 86.4 90.7 92.3 98.2	LowLimit 63.9 69.9 71 71.8 80	HighLimit 127 131 132 131	%RPD	RPDLimit	Qual
ofluorobenzene	Result 0.73 0.83 0.86 2.6 0.93 D	PQL 0.024 0.047 0.047 0.095	SPK value 0.9479 0.9479 0.9479 2.844 0.9479 SD	SPK Ref Val 0 0.008632 0 0 Tes	%REC 77.5 86.4 90.7 92.3 98.2	LowLimit 63.9 69.9 71 71.8 80 PA Method	HighLimit 127 131 132 131 120	%RPD	RPDLimit	Qual
ofluorobenzene 1812377-016AMS	Result 0.73 0.83 0.86 2.6 0.93 D Samp Bato	PQL 0.024 0.047 0.095 Type: Mt ch ID: 41	SPK value 0.9479 0.9479 0.9479 2.844 0.9479 SD	SPK Ref Val 0 0.008632 0 0 Tes	%REC 77.5 86.4 90.7 92.3 98.2 tCode: E	LowLimit 63.9 69.9 71 71.8 80 PA Method	HighLimit 127 131 132 131 120	%RPD	RPDLimit	Qual
ofluorobenzene 1812377-016AMS 28-0'	Result 0.73 0.83 0.86 2.6 0.93 D Samp Bato	PQL 0.024 0.047 0.095 Type: Mt ch ID: 41	SPK value 0.9479 0.9479 2.844 0.9479 SD 975 2/10/2018	SPK Ref Val 0 0.008632 0 0 Tes	%REC 77.5 86.4 90.7 92.3 98.2 tCode: E RunNo: 5 SeqNo: 1 %REC	LowLimit 63.9 69.9 71 71.8 80 PA Method	HighLimit 127 131 132 131 120 8021B: Vola Units: mg/t HighLimit	%RPD tiles Kg %RPD	RPDLimit	Qual
ofluorobenzene 1812377-016AMS 28-0'	Result 0.73 0.83 0.86 2.6 0.93 D Samp Bato Analysis	PQL 0.024 0.047 0.047 0.095 Type: M: ch ID: 41 Date: 1	SPK value 0.9479 0.9479 2.844 0.9479 SD 975 2/10/2018 SPK value	SPK Ref Val 0 0.008632 0 0 Tes	%REC 77.5 86.4 90.7 92.3 98.2 tCode: E RunNo: 5 SeqNo: 1	LowLimit 63.9 69.9 71 71.8 80 PA Method 6220 877973	HighLimit 127 131 132 131 120 8021B: Vola Units: mg/l	%RPD tiles		
ofluorobenzene 1812377-016AMS 28-0'	Result 0.73 0.83 0.86 2.6 0.93 D Samp Bato Analysis Result	PQL 0.024 0.047 0.095 Type: M: ch ID: 41 Date: 1 PQL	SPK value 0.9479 0.9479 2.844 0.9479 SD 975 2/10/2018 SPK value 0.9276	SPK Ref Val 0 0.008632 0 0 Tes F SPK Ref Val	%REC 77.5 86.4 90.7 92.3 98.2 tCode: E RunNo: 5 SeqNo: 1 %REC	LowLimit 63.9 69.9 71 71.8 80 PA Method 6220 877973 LowLimit	HighLimit 127 131 132 131 120 8021B: Vola Units: mg/t HighLimit	%RPD tiles Kg %RPD	RPDLimit	
ofluorobenzene 1812377-016AMS 28-0'	Result 0.73 0.83 0.86 2.6 0.93 D Samp Bato Analysis Result 0.75	PQL 0.024 0.047 0.095 Type: M th ID: 41 Date: 1 PQL 0.023 0.046	SPK value 0.9479 0.9479 2.844 0.9479 SD 975 2/10/2018 SPK value 0.9276 0.9276	SPK Ref Val 0 0.008632 0 0 Tes F SPK Ref Val 0	%REC 77.5 86.4 90.7 92.3 98.2 tCode: E RunNo: 5 SeqNo: 1 %REC 81.2	LowLimit 63.9 69.9 71 71.8 80 PA Method 66220 877973 LowLimit 63.9	HighLimit 127 131 132 131 120 8021B: Vola Units: mg/l HighLimit 127	%RPD tiles Kg %RPD 2.50	RPDLimit 20	
ofluorobenzene 1812377-016AMS 28-0'	Result 0.73 0.83 0.86 2.6 0.93 D Samp Bato Analysis Result 0.75 0.82	PQL 0.024 0.047 0.095 Type: Mt ch ID: 41 Date: 1 PQL 0.023	SPK value 0.9479 0.9479 2.844 0.9479 SD 975 2/10/2018 SPK value 0.9276 0.9276 0.9276	SPK Ref Val 0 0.008632 0 0 Tes F SPK Ref Val 0 0.008632	%REC 77.5 86.4 90.7 92.3 98.2 tCode: E RunNo: 5 SeqNo: 1 %REC 81.2 87.2	LowLimit 63.9 69.9 71 71.8 80 PA Method 66220 877973 LowLimit 63.9 69.9	HighLimit 127 131 132 131 120 8021B: Vola 8021B: Vola Units: mg/i HighLimit 127 131	%RPD tiles %g 2.50 1.22	RPDLimit 20 20	
	Limerock MB-41975 PBS	PBS Batch 12/7/2018 Analysis D Result ND ND ND ND ND fluorobenzene 1.0 CS-41975 SampT LCSS Batch 12/7/2018 Analysis D Result 0.96 1.0 1.0 pfluorobenzene 1.1 1812377-016AMS SampT	Limerock Malco MB-41975 SampType: MB PBS Batch ID: 419 12/7/2018 Analysis Date: 12 Result PQL ND 0.025 ND 0.050 ND 0.050 ND 0.10 fluorobenzene 1.0 CS-41975 SampType: LC LCSS Batch ID: 419 12/7/2018 Analysis Date: 12 Result PQL 0.96 0.025 1.0 0.050 3.1 0.10 offuorobenzene 1.1 1812377-016AMS SampType: MS	Limerock Malco MB-41975 SampType: MBLK PBS Batch ID: 41975 12/7/2018 Analysis Date: 12/10/2018 Result PQL SPK value ND 0.025 ND ND 0.050 ND fluorobenzene 1.0 1.000 -CS-41975 SampType: LCS LCSS Batch ID: 41975 12/7/2018 Analysis Date: 12/10/2018 Result PQL SPK value 0.96 0.025 1.000 1.0 0.050 1.000 1.0 0.050 1.000 1.0 0.055 1.000 1.0 0.055 1.000 1.0 0.055 1.000 1.0 0.055 1.000 3.1 0.10 3.000 3.1 0.10 3.000 3.1 0.10 3.000 3.1 0.10 3.000	Limerock Malco Test AB-41975 SampType: MBLK Test PBS Batch ID: 41975 Ri 12/7/2018 Analysis Date: 12/10/2018 Si Result PQL SPK value SPK Ref Val ND 0.025 ND ND MD 0.050 ND 0.10 fluorobenzene 1.0 1.000 Test LCSS Batch ID: 41975 Result PQL SampType: LCS Test 12/7/2018 Analysis Date: 12/10/2018 S Result PQL SPK value SPK Ref Val 0.96 0.025 1.000 0 12/7/2018 Analysis Date: 12/10/2018 S Result PQL SPK value SPK Ref Val 0.96 0.025 1.000 0 1.0 0.050 1.000 0 1.0 0.050 1.000 0 1.0 0.050 1.000 0	Limerock Malco MB-41975 SampType: MBLK TestCode: EP PBS Batch ID: 41975 RunNo: 56 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 18 Result PQL SPK value SPK Ref Val %REC ND 0.025 ND 0.050 ND 0.050 ND 0.010 fluorobenzene 1.0 1.000 101	Limerock Malco AB-41975 SampType: MBLK TestCode: EPA Method 3 PBS Batch ID: 41975 RunNo: 56220 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877968 Result PQL SPK value SPK Ref Val % REC LowLimit ND 0.025 ND 0.050 ND 0.050 ND 0.050 ND 0.10 101 80 CS-41975 SampType: LCS TestCode: EPA Method LCS-41975 SampType: LCS TestCode: EPA Method LCSS Batch ID: 41975 RunNo: 56220 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877969 Result PQL SPK value SPK Ref Val %REC LowLimit 0.96 0.025 1.000 0 100 80 10.0 0.050 1.000 0 101 80 11 0.050	Limerock Malco AB-41975 SampType: MBLK TestCode: EPA Method 8021B: Volat PES Batch ID: 41975 RunNo: 56220 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877968 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 0.025 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.10 101 80 120 LCS-41975 SampType: LCS TestCode: EPA Method 8021B: Volat LCSS Batch ID: 41975 RunNo: 56220 Units: mg/K 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877969 Units: mg/K 60:025 1.000 0 96.5 80 120 120 10 0.050 1.000 0 101 80 120 10.0	Limerock Malco AB-41975 SampType: MBLK TestCode: EPA Method 8021B: Volatilles PBS Batch ID: 41975 RunNo: 56220 Units: mg/Kg 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877968 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 0.025 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.10 Result PQL SPK value SeqNo: 1877969 Units: mg/Kg LCS TestCode: EPA Method 8021B: Volatiles LCS TestCode: EPA Method 8021B: Volatiles LCS TestCode: EPA Method 8021B: Volatiles LCS RunNo: 56220 Units: mg/Kg 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877969 Units: mg/Kg 0.96 0.025 1.000 0 00 80 120 <td>Limerock Malco AB-41975 Samp Type: MB L TestCode: EPA Method 8021B: Volatiles PBS Batch ID: 41975 RunNo: 56220 12/17/2018 Analysis Date: 12/10/2018 SeqNo: 1877968 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 0.025 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.100 101 80 120 200 fluorobenzene 1.0 1.000 101 80 120 200 200 cSs Batch ID: 41975 FunNo: 56220 200<!--</td--></td>	Limerock Malco AB-41975 Samp Type: MB L TestCode: EPA Method 8021B: Volatiles PBS Batch ID: 41975 RunNo: 56220 12/17/2018 Analysis Date: 12/10/2018 SeqNo: 1877968 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 0.025 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.100 101 80 120 200 fluorobenzene 1.0 1.000 101 80 120 200 200 cSs Batch ID: 41975 FunNo: 56220 200 </td

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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11-Dec-18

Client: Project:

-

Talon Artesia Limerock Malco

Sample ID LCS-41968	SampT	ype: LC	s	Test	Code: El	PA Method	8260B: Volat	iles Short	List	
Client ID: LCSS	Batch	n ID: 419	968	R	tunNo: 5	6208				
Prep Date: 12/7/2018	Analysis D	ate: 12	2/10/2018	S	SeqNo: 1	878755	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	99.8	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	104	70	130			
Xylenes, Total	3.1	0.10	3.000	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		109	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.9	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			
Sample ID MB-41968	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8260B: Vola	tiles Shor	t List	
Sample ID MB-41968 Client ID: PBS	•	Гуре: МІ h ID: 41			tCode: E RunNo: 5		8260B: Vola	tiles Shori	t List	
	•	h ID: 41	968	F		6208	8260B: Vola Units: mg/ł		t List	
Client ID: PBS	Batc	h ID: 41	968 2/10/2018	F	RunNo: 5	6208			t List RPDLimit	Qual
Client ID: PBS Prep Date: 12/7/2018	Batc Analysis I	h ID: 41 Date: 1 :	968 2/10/2018	F	RunNo: 5 SeqNo: 1	6208 878756	Units: mg/ł	٢g		Qual
Client ID: PBS Prep Date: 12/7/2018 Analyte	Batc Analysis I Result	h ID: 41 Date: 12 PQL	968 2/10/2018	F	RunNo: 5 SeqNo: 1	6208 878756	Units: mg/ł	٢g		Qual
Client ID: PBS Prep Date: 12/7/2018 Analyte Benzene	Batc Analysis I Result ND	h ID: 41 Date: 1: PQL 0.025	968 2/10/2018	F	RunNo: 5 SeqNo: 1	6208 878756	Units: mg/ł	٢g		Qual
Client ID: PBS Prep Date: 12/7/2018 Analyte Benzene Toluene	Batc Analysis I Result ND ND	h ID: 41 Date: 12 PQL 0.025 0.050	968 2/10/2018	F	RunNo: 5 SeqNo: 1 %REC	6208 1878756 LowLimit	Units: mg/ł HighLimit	٢g		Qual
Client ID: PBS Prep Date: 12/7/2018 Analyte Benzene Toluene Ethylbenzene	Batc Analysis I Result ND ND ND	h ID: 41 Date: 12 PQL 0.025 0.050 0.050	968 2/10/2018	F	RunNo: 5 SeqNo: 1	6208 878756	Units: mg/k HighLimit 130	٢g		Qual
Client ID: PBS Prep Date: 12/7/2018 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result ND ND ND ND	h ID: 41 Date: 12 PQL 0.025 0.050 0.050	968 2/10/2018 SPK value	F	RunNo: 5 SeqNo: 1 %REC	6208 1878756 LowLimit 70 70	Units: mg// HighLimit 130 130	٢g		Qual
Client ID: PBS Prep Date: 12/7/2018 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4	Batc Analysis I Result ND ND ND 0.52	h ID: 41 Date: 12 PQL 0.025 0.050 0.050	968 2/10/2018 SPK value 0.5000	F SPK Ref Val	RunNo: 5 SeqNo: 1 %REC 104	6208 1878756 LowLimit 70 70 70 70	Units: mg// HighLimit 130 130 130	٢g		Qual
Client ID: PBS Prep Date: 12/7/2018 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	Batc Analysis I Result ND ND ND ND 0.52 0.48	h ID: 41 Date: 12 PQL 0.025 0.050 0.050	968 2/10/2018 SPK value 0.5000 0.5000	F SPK Ref Val	RunNo: 5 SeqNo: 1 %REC 104 96.9	6208 1878756 LowLimit 70 70	Units: mg// HighLimit 130 130 130	٢g		Qual

Qualifiers:

Value exceeds Maximum Contaminant Level. *

Sample Diluted Due to Matrix D

- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix \mathbf{S}
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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11-Dec-18

WO#: 1812377

Hall Environmental Analysis Laboratory 1ALL 4901 Hawkins NE INVIRONMENTAL Sample Log-In Check List Albuquerque, NM 87109 ANALYSIS TEL: 505-345-3975 FAX: 505-348-4107 ABORATORY Website: www.hallenvironmental.com ReptNo: 1 **Client Name:** TALON ARTESIA Work Order Number: 1812377 Victoria Rellas 12/7/2018 8:45:00 AM Received By: Victoria Zellar an End a 12/7/2018 9:39:23 AM **Jazzmine Burkhead** Completed By: JUIZINIA Reviewed By: :ENM 12/7 Labeled b Chain of Custody Not Present No 🗌 Yes V 1. Is Chain of Custody complete? 2. How was the sample delivered? Courier <u>Log In</u> NA 🗋 No 🗌 Yes 🗹 Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes 🗹 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗹 5. Sample(s) in proper container(s)? No 🗌 Yes 🗸 6. Sufficient sample volume for indicated test(s)? No 🗋 Yes 🗹 7. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗌 Yes 🗌 8, Was preservative added to bottles? No VOA Vials No 🗍 Yes 🗋 9. VOA vials have zero headspace? Yes 🗆 No 🗹 10. Were any sample containers received broken? # of preserved bottles checked for pH: No 🗌 Yes 🗹 11, Does paperwork match bottle labels? 12 unless noted) (८७ तेष (Note discrepancies on chain of custody) No 🗋 Yes V 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 13. Is it clear what analyses were requested? Checked by: No 🗌 Yes 🗹 14. Were all holding times able to be met? (if no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 Yes 🗌 No 🗌 15. Was client notified of all discrepancies with this order? Date: Person Notified: eMail Phone Fax In Person Via: By Whom: Regarding: **Client Instructions:** 16. Additional remarks: 17. Cooler Information Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date Signed By 4.3 Good Yes 1

HAIL FUNTOONNENTA	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	54 B	(^k O ³)	5 bCB/5 (SWI2) (SWI2) (SWI2) (G32 o	40 ³ 30 4) 4) 40 Hd	T + 2 .8 .8 .8	38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- MT 158 16tho 16t	втех + втех + трн 80 вов1 р вов1 р														Remarks: $2 - i - i - j - j - j - j - j - j - j - j$	FURT NATION OF CHI CONTRACTION			This serves as notice of this possibility. Any sub-contracted data will be dearly notated on the analytical report.
Turn-Around Time:	□ standard 2 Rush 48 h0.00	Project Name:	Unverter - Minhie	Project#:	701307-116.61	Project Manager:	Chris Jones	Neveral Daves		Temperature:4,3		Type and # Type / Container Preservative HEAL No.	-		700	- (503	- 004	900 -	- 006	- 002	- 00%	· 004	- 010	- 011			My 1418 1400	Rédeifed . Date Time		other accordited laboratories.
Chain-of-Custody Record	Client: THON LPE		Mailing Address: 408 W 15X41 AUC	SEQLU REAM, NW	Fhone #: 575-746 - 8768	email or Fax#;	CAVOC Package: Tx Standard		Other	D EDD (Type)		Date Time Matrix Sample Request ID	-	\ 	1246 10:00 mrs 117 - 2. > L	T-	1			11: 12 a.	1	to Itrafiants 20	TICOLUS 12-	2	21-22 Jan 23-22	selipquished by:	THUR (LOO) / UN	Date: Time: Relinguished by:	2/6/16 192 201	M management deservations assessment for Hall Terrufreimmentell man be Subtonsfracted R

I nercessary, samples

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

December 13, 2018

Chris Jones Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: (806) 467-0607 FAX (806) 467-0622

RE: Limerock Malco

OrderNo.: 1812375

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 26 sample(s) on 12/7/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analys		Lab Order 1812375 Date Reported: 12/13/2	018								
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-001	Client Sample ID: S-11 0' Collection Date: 12/5/2018 1:00:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM										
Analyses	Result	PQL	PQL Qual Units		Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS	~				Analys	: MRA					
Chloride	ND	30	mg/Kg	20	12/7/2018 5:38:51 PM	41979					
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analys	t: TOM					
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/10/2018 9:43:38 AM	1 41971					
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/10/2018 9:43:38 AN	1 41971					
Surr: DNOP	99.9	50.6-138	%Rec	1	12/10/2018 9:43:38 AN	1 41971					
EPA METHOD 8015D: GASOLINE RAM	IGE				Analys	t: NSB					
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 10:39:28 A	M 41966					
Surr: BFB	101	73.8-119	%Rec	1	12/10/2018 10:39:28 A	M 41966					
EPA METHOD 8021B: VOLATILES					Analys	t: NSB					
Benzene	ND	0.025	mg/Kg	i 1	12/10/2018 10:39:28 A	M 41966					
Toluene	ND	0.049	mg/Kg	, 1	12/10/2018 10:39:28 A	M 41966					
Ethylbenzene	ND	0.049	mg/Kg	j 1	12/10/2018 10:39:28 A	M 41966					
Xylenes, Total	ND	0.099	mg/Kg	, 1	12/10/2018 10:39:28 A						
Surr: 4-Bromofluorobenzene	109	80-120	%Rec	1	12/10/2018 10:39:28 A	M 41966					

Qualifiers: *	Value exceeds Maximum Contaminant Level.
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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 35 J

Analytical Report

- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

1:10:00 PM 8:45:00 AM
Analyzed Batch
Analyst: MRA
018 6:40:55 PM 41979
Analyst: TOM
2018 10:07:21 AM 4197
2018 10:07:21 AM 4197
2018 10:07:21 AM 4197
Analyst: NSB
2018 11:49:46 AM 41960
2018 11:49:46 AM 4196
Analyst: NSB
2018 11:49:46 AM 4196

7

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		•		

Analytical Report Lab Order 1812375 Date Reported: 12/13/2018

Hall Environmental Analysis Laboratory, Inc.

Hall Environmental Analysi	Lab Order 1812375 Date Reported: 12/13/20	018							
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-003	Client Sample ID: S-12 0' Collection Date: 12/5/2018 1:20:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM								
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	31	30	mg/Kg	20	12/7/2018 6:53:19 PM	41979			
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS				Analyst	том			
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/10/2018 10:31:07 AM	M 41971			
Motor Oil Range Organics (MRO)	69	50	mg/Kg	1	12/10/2018 10:31:07 AM	M 41971			
Surr: DNOP	92.9	50.6-138	%Rec	1	12/10/2018 10:31:07 AN	vi 41971			
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 1:00:19 PM	41966			
Surr: BFB	93.6	73.8-119	%Rec	1	12/10/2018 1:00:19 PM	41966			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.024	mg/Kg	1	12/10/2018 1:00:19 PM	41966			
Toluene	ND	0.049	mg/Kg	1	12/10/2018 1:00:19 PM	41966			
Ethylbenzene	ND	0.049	mg/Kg	1	12/10/2018 1:00:19 PM	41966			
Xylenes, Total	ND	0.098	mg/Kg	1	12/10/2018 1:00:19 PM				
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	12/10/2018 1:00:19 PM	41966			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected i
C	D	Sample Diluted Due to Matrix	Е	Value above quan
		Holding times for preparation or analysis exceeded	ł	Analyte detected b
		Not Detected at the Reporting Limit	Р	Sample pH Not In
		Practical Quanitative Limit	RL	Reporting Detection
	S	% Recovery outside of range due to dilution or matrix	W	Sample container

- in the associated Method Blank
- intitation range
- below quantitation limits Page 3 of 35

Analytical Report

- In Range
- tion Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysis		Date Reported: 12/13/2018						
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-004	Client Sample ID: S-12 .5' R Collection Date: 12/5/2018 1:30:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Analyses	Result	PQL	Qual U	J nits	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst	MRA	
Chloride	ND	30	n	ng/Kg	20	12/7/2018 7:05:44 PM	41979	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	TOM	
Diesel Range Organics (DRO)	ND	10	r	ng/Kg	1	12/10/2018 10:54:53 Al	/ 41971	
Motor Oil Range Organics (MRO)	ND	50	r	ng/Kg	1	12/10/2018 10:54:53 Al	M 4197 1	
Surr: DNOP	92.4	50.6-138	0	%Rec	1	12/10/2018 10:54:53 AI	M 4197	
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	r	ng/Kg	1	12/10/2018 1:47:32 PM	41966	
Surr: BFB	95.6	73.8-119	c	%Rec	1	12/10/2018 1:47:32 PM	41966	
EPA METHOD 8021B: VOLATILES						Analyst	: NSB	
Benzene	ND	0.024	r	mg/Kg	1	12/10/2018 1:47:32 PM	41966	
Toluene	ND	0.048	I	mg/Kg	1	12/10/2018 1:47:32 PN	4196	
Ethylbenzene	ND	0.048	ı	mg/Kg	1	12/10/2018 1:47:32 PN		
Xylenes, Total	ND	0.096	I	mg/Kg	1	12/10/2018 1:47:32 PM		
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	12/10/2018 1:47:32 PN	4196	

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
		J	Analyte detected below quantitation limits Page 4 of 35
	-	Р	Sample pH Not In Range
		RL	Reporting Detection Limit
		W	Sample container temperature is out of limit as specified
	H ND PQL	 D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit 	DSample Diluted Due to MatrixEHHolding times for preparation or analysis exceededJNDNot Detected at the Reporting LimitPPQLPractical Quanitative LimitRL

Hall Environmental Analysi		Date Reported: 12/13/2018					
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-005	Matrix: SOIL	3 0' '5/2018 1:40:00 PM '7/2018 8:45:00 AM					
Analyses	Result	PQL	Qual U	J nits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	30	r	ng/Kg	20	12/7/2018 7:18:09 PM	41979
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	: том
Diesel Range Organics (DRO)	ND	9.9	r	ng/Kg	1	12/10/2018 11:18:36 Al	VI 4197 1
Motor Oil Range Organics (MRO)	ND	50	r	ng/Kg	1	12/10/2018 11:18:36 Al	VI 4197 1
Surr: DNOP	86.7	50.6-138	ç	%Rec	1	12/10/2018 11:18:36 AI	VI 4197
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	r	ng/Kg	1	12/10/2018 2:11:09 PM	41966
Surr: BFB	92.0	73.8-119	c c	%Rec	1	12/10/2018 2:11:09 PM	41966
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.024	1	mg/Kg	1	12/10/2018 2:11:09 PN	41966
Toluene	ND	0.047	I	mg/Kg	1	12/10/2018 2:11:09 PN	4196
Ethylbenzene	ND	0.047	i	mg/Kg	1	12/10/2018 2:11:09 PN	4196
Xylenes, Total	ND	0.095	I	mg/Kg	1	12/10/2018 2:11:09 PN	4196
Surr: 4-Bromofluorobenzene	98.3	80-120		%Rec	1	12/10/2018 2:11:09 PN	4196

Sample Diluted Due to Matrix	E	TT 1 1
		Value above quantitation range
Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 35
	Р	Sample pH Not In Range
	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified
	Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Practical Quanitative Limit % Recovery outside of range due to dilution or matrix	Not Detected at the Reporting LimitPPractical Quanitative LimitRL

Hall Environmental Analysis Laboratory, Inc.							Date Reported: 12/13/2018			
CLIENT: Project: Lab ID:	Talon Artesia Limerock Malco 1812375-006	Matrix: SOIL	Client Sample ID: S-13 1' R Collection Date: 12/5/2018 1:50:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch		
	HOD 300.0: ANIONS						Analyst:	MRA		
Chloride		380	30		mg/Kg	20	12/7/2018 7:30:33 PM	41979		
	HOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	том		
	ange Organics (DRO)	ND	10		mg/Kg	1	12/10/2018 12:06:56 PM	/ 4197 1		
	I Range Organics (MRO)	ND	50		mg/Kg	1	12/10/2018 12:06:56 PM	/ 41971		
Surr: [97.2	50.6-138		%Rec	1	12/10/2018 12:06:56 PM	/I 4197 [.]		
EPA MET	HOD 8015D: GASOLINE RAI	NGE					Analyst	NSB		
	Range Organics (GRO)	ND	4.7		mg/Kg	1	12/10/2018 2:57:55 PM	41966		
Surr: I		93.1	73.8-119		%Rec	1	12/10/2018 2:57:55 PM	41966		
EPA MET	THOD 8021B: VOLATILES						Analyst	NSB		
Benzene		ND	0.023		mg/Kg	1	12/10/2018 2:57:55 PM	4196		
Toluene		ND	0.047		mg/Kg	1	12/10/2018 2:57:55 PM			
Ethylben	izene	ND	0.047		mg/Kg	1	12/10/2018 2:57:55 PM			
Xylenes,	, Total	ND	0.093		mg/Kg	1	12/10/2018 2:57:55 PM			
Surr:	4-Bromofluorobenzene	98.8	80-120		%Rec	1	12/10/2018 2:57:55 PM	41966		

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Quinnin	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 35
		Not Detected at the Reporting Limit	·P	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	~	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1812375

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Analytical Report
Lab Order 1812375
Date Reported: 12/13/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-007	Matrix: SOIL	C		e: 12/	14 0' /5/2018 2:00:00 PM /7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	160	30	mg/Kg	20	12/7/2018 7:42:58 PM	41979
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	том
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	12/10/2018 12:30:48 PM	1 41971
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/10/2018 12:30:48 PM	1 41971
Surr: DNOP	92.1	50.6-138	%Rec	1	12/10/2018 12:30:48 PM	1 41971
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/10/2018 3:21:32 PM	41966
Surr: BFB	93.3	73.8-119	%Rec	1	12/10/2018 3:21:32 PM	41966
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	12/10/2018 3:21:32 PM	41966
Toluene	ND	0.047	mg/Kg	1	12/10/2018 3:21:32 PM	41966
Ethylbenzene	ND	0.047	mg/Kg	1	12/10/2018 3:21:32 PM	41966
Xylenes, Total	ND	0.094	mg/Kg	1	12/10/2018 3:21:32 PM	41966
Surr: 4-Bromofluorobenzene	99.4	80-120	%Rec	1	12/10/2018 3:21:32 PM	41966

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 7 of 35
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	100.000	Date Reported: 12/13/2018					
CLIENT: Talon Artesia				mple II		4 1' /5/2018 2:10:00 PM	
Project:Limerock MalcoLab ID:1812375-008	Matrix: SOIL	7/2018 8:45:00 AM					
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	30		mg/Kg	20	12/7/2018 7:55:23 PM	41979
EPA METHOD 8015M/D: DIESEL RANG						Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/10/2018 12:54:38 Pl	VI 41971
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/10/2018 12:54:38 P	VI 41971
Surr: DNOP	71.2	50.6-138		%Rec	1	12/10/2018 12:54:38 P	M 41971
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/10/2018 3:45:10 PN	41966
Surr: BFB	91.5	73.8-119		%Rec	1	12/10/2018 3:45:10 PN	41966
EPA METHOD 8021B: VOLATILES						Analys	: NSB
Benzene	ND	0.023		mg/Kg	1	12/10/2018 3:45:10 PM	41966
Toluene	ND	0.046		mg/Kg	1	12/10/2018 3:45:10 PM	41966
Ethylbenzene	ND	0.046		mg/Kg	1	12/10/2018 3:45:10 PM	1 41966
Xvlenes, Total	ND	0.092		mg/Kg	1	12/10/2018 3:45:10 PM	1 41966
Surr: 4-Bromofluorobenzene	97.3	80-120		%Rec	1	12/10/2018 3:45:10 PM	1 41966

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 8 of 35
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analy	sis Laboratory,	Inc.			Lab Order 1812375 Date Reported: 12/13/20	18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-009	Matrix: SOIL	Со		e: 12/	5 0' 5/2018 2:20:00 PM 7/2018 8:45:00 AM	
Analyses	Result	PQL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	1700	75	mg/Kg	50	Analyst: 12/10/2018 6:00:59 PM	41979
EPA METHOD 8015M/D: DIESEL RA Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	NGE ORGANICS ND ND 89.8	9.4 47 50.6-138	mg/Kg mg/Kg %Rec	1 1 1	Analyst 12/10/2018 1:18:29 PM 12/10/2018 1:18:29 PM 12/10/2018 1:18:29 PM	41971 41971
Gasoline Range Organics (GRO) Surr: BFB	ND 93.0	4.7 73.8-119	mg/Kg %Rec	1 1	Analyst 12/10/2018 4:08:47 PM 12/10/2018 4:08:47 PM	41966
EPA METHOD 8021B: VOLATILES Benzene Toluene Ethylbenzene Xylenes, Total	ND ND ND ND	0.024 0.047 0.047 0.094	mg/Kg mg/Kg mg/Kg mg/Kg	1 1 1 1	Analyst 12/10/2018 4:08:47 PM 12/10/2018 4:08:47 PM 12/10/2018 4:08:47 PM 12/10/2018 4:08:47 PM	41966 41966 41966 41966 41966
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Analytical Report

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
		J	Analyte detected below quantitation limits Page 9 of 35
		Р	Sample pH Not In Range
		RL	Reporting Detection Limit
		W	Sample container temperature is out of limit as specified
	H ND PQL	 D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit 	D Sample Diluted Due to Matrix E H Holding times for preparation or analysis exceeded J ND Not Detected at the Reporting Limit P PQL Practical Quanitative Limit RL

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order 1812375 Date Reported: 12/13/20	18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-010	Matrix: SOIL	5 1' 5/2018 2:30:00 PM 7/2018 8:45:00 AM				
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	1700	75	mg/Kg	50	Analyst: 12/10/2018 6:13:24 PM	
EPA METHOD 8015M/D: DIESEL RANGI					Analyst:	
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 86.4	9.8 49 50.6-138	mg/Kg mg/Kg %Rec	1 1 1	12/10/2018 1:42:23 PM 12/10/2018 1:42:23 PM 12/10/2018 1:42:23 PM	41971
EPA METHOD 8015D: GASOLINE RANG					Analyst	
Gasoline Range Organics (GRO) Surr: BFB	ND 91.0	4.9 73.8-119	mg/Kg %Rec	1 1	12/10/2018 4:32:21 PM 12/10/2018 4:32:21 PM	
EPA METHOD 8021B: VOLATILES					Analyst	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND ND 96,2	0.024 0.049 0.049 0.097 80-120	mg/Kg mg/Kg mg/Kg mg/Kg %Rec	1 1 1 1 1	12/10/2018 4:32:21 PM 12/10/2018 4:32:21 PM 12/10/2018 4:32:21 PM 12/10/2018 4:32:21 PM 12/10/2018 4:32:21 PM 12/10/2018 4:32:21 PM	41966 41966 41966

Analytical Report

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 10 of 35
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

	Analytical Report	
	Lab Order 1812375	
	Date Reported: 12/13/2018	
ent Sample II): S-16 0'	

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-011	Client Sample ID: S-16 0'Collection Date: 12/5/2018 2:40:00 PMMatrix: SOILReceived Date: 12/7/2018 8:45:00 AM						
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	55	30	mg/Kg	20	12/7/2018 9:22:16 PM	41979	
EPA METHOD 8015M/D: DIESEL RANGE					Analyst	том	
Diesel Range Organics (DRO)	14	9.8	mg/Kg	1	12/10/2018 2:06:21 PM	41971	
Motor Oil Range Organics (MRO)	50	49	mg/Kg	1	12/10/2018 2:06:21 PM	41971	
Surr: DNOP	92.4	50.6-138	%Rec	1	12/10/2018 2:06:21 PM	41971	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/10/2018 8:04:01 PM	41966	
Surr: BFB	88.9	73.8-119	%Rec	1	12/10/2018 8:04:01 PM	41966	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.023	mg/Kg	1	12/10/2018 8:04:01 PM	41966	
Toluene	ND	0.046	mg/Kg	1	12/10/2018 8:04:01 PM	41966	
Ethylbenzene	ND	0.046	mg/Kg	1	12/10/2018 8:04:01 PM		
Xylenes, Total	ND	0.092	mg/Kg	1	12/10/2018 8:04:01 PM		
Surr: 4-Bromofluorobenzene	95.8	80-120	%Rec	1	12/10/2018 8:04:01 PM	41966	

	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
)	Sample Diluted Due to Matrix	Е	Value above quantitation range
I	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 11 of 35
	-	Р	Sample pH Not In Range
		RL	Reporting Detection Limit
		W	Sample container temperature is out of limit as specified
	H D QL	 Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded 	DSample Diluted Due to MatrixEHHolding times for preparation or analysis exceededJDNot Detected at the Reporting LimitPQLPractical Quanitative LimitRL

Hall Environmental Analysi	s Laboratory,	Inc.			Date Reported: 12/13/20)18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-012	Client Sample ID: S-16 .5' R Collection Date: 12/5/2018 2:50:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	12/7/2018 9:34:40 PM	41979
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/10/2018 2:30:14 PM	41971
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/10/2018 2:30:14 PM	
Surr: DNOP	84.2	50.6-138	%Rec	1	12/10/2018 2:30:14 PM	41971
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/10/2018 8:27:21 PM	41966
Surr: BFB	89.6	73.8-119	%Rec	1	12/10/2018 8:27:21 PM	41966
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	12/10/2018 8:27:21 PM	41966
Toluene	ND	0.048	mg/Kg	1	12/10/2018 8:27:21 PM	
Ethylbenzene	ND	0.048	00	1	12/10/2018 8:27:21 PM	
Xylenes, Total	ND	0.096	0 0	1	12/10/2018 8:27:21 PM	
Surr: 4-Bromofluorobenzene	95.9	80-120	%Rec	1	12/10/2018 8:27:21 PN	41966

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 12 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.	ndelanan ay part a start and a start a		Lab Order 1812375 Date Reported: 12/13/20)18
CLIENT: Talon Artesia			ient Sample II			
Project: Limerock Malco		-			/5/2018 5:00:00 PM	
Lab ID: 1812375-013	Matrix: SOIL		Received Date	e: 12	/7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	84	30	mg/Kg	20	12/7/2018 9:47:05 PM	41979
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	12/10/2018 2:54:00 PM	41971
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 2:54:00 PM	41971
Surr: DNOP	88.5	50.6-138	%Rec	1	12/10/2018 2:54:00 PM	41971
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/10/2018 8:50:45 PM	41966
Surr: BFB	91.1	73.8-119	%Rec	1	12/10/2018 8:50:45 PM	41966
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	12/10/2018 8:50:45 PN	41966
Toluene	ND	0.047	mg/Kg	1	12/10/2018 8:50:45 PN	41966
Ethylbenzene	ND	0.047	mg/Kg	1	12/10/2018 8:50:45 PN	41966
Xylenes, Total	ND	0.094	mg/Kg	1	12/10/2018 8:50:45 PN	41966
Surr: 4-Bromofluorobenzene	98.0	80-120	%Rec	1	12/10/2018 8:50:45 PM	41966

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitati
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is o

- ed Method Blank
- ation limitsPage 13 of 35

Analytical Report

out of limit as specified

Hall Environmental Analys	is Laboratory,	Inc.			Lab Order 1812375 Date Reported: 12/13/20	18		
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-014	Matrix: SOIL	Client Sample ID: S-24 3.5' R Collection Date: 12/5/2018 5:10:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM						
Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	MRA		
Chloride	97	30	mg/Kg	20	12/7/2018 9:59:30 PM	41979		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	том		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/10/2018 3:42:00 PM	41971		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 3:42:00 PM	41971		
Surr: DNOP	79.1	50.6-138	%Rec	1	12/10/2018 3:42:00 PM	41971		
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/10/2018 9:14:06 PM	41966		
Surr: BFB	91.2	73.8-119	%Rec	1	12/10/2018 9:14:06 PM	41966		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.024	mg/Kg	1	12/10/2018 9:14:06 PM	41966		
Toluene	ND	0.047	mg/Kg	1	12/10/2018 9:14:06 PM	41966		
Ethylbenzene	ND	0.047	mg/Kg	1	12/10/2018 9:14:06 PM	41966		
Xylenes, Total	ND	0.094	mg/Kg	1	12/10/2018 9:14:06 PM			
Surr: 4-Bromofluorobenzene	98.5	80-120	%Rec	1	12/10/2018 9:14:06 PM	41966		

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Z	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 14 of 35
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		•		

Analytical Report					
Lab Order 1812375					
Date Reported: 12/13/2018					

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-015	Client Sample ID: S-17 0'Collection Date: 12/5/2018 3:00:00 PMMatrix: SOILReceived Date: 12/7/2018 8:45:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	14000	750	mg/Kg	500	12/10/2018 6:25:49 PM	41979
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analy						
Diesel Range Organics (DRO)	120	9.9	mg/Kg	1	12/10/2018 4:06:00 PM	41971
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	12/10/2018 4:06:00 PM	41971
Surr: DNOP	88.9	50.6-138	%Rec	1	12/10/2018 4:06:00 PM	41971
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/10/2018 9:37:22 PM	41966
Surr: BFB	86.4	73.8-119	%Rec	1	12/10/2018 9:37:22 PM	41966
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	12/10/2018 9:37:22 PM	41966
Toluene	ND	0.050	mg/Kg	1	12/10/2018 9:37:22 PM	41966
Ethylbenzene	ND	0.050	mg/Kg	1	12/10/2018 9:37:22 PM	41966
Xylenes, Total	ND	0.099	mg/Kg	1	12/10/2018 9:37:22 PM	41966
Surr: 4-Bromofluorobenzene	92.5	80-120	%Rec	1	12/10/2018 9:37:22 PM	41966

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 15 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysi	s Laboratory,	Inc.		an gana - Margara	Date Reported: 12/13/20	18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-016	Matrix: SOIL	C		e: 12/:	7 1' 5/2018 3:10:00 PM 7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	9200	750	mg/Kg	500	12/10/2018 6:38:13 PM	41979
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	том
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	12/10/2018 4:29:55 PM	41971
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/10/2018 4:29:55 PM	41971
Surr: DNOP	89.7	50.6-138	%Rec	1	12/10/2018 4:29:55 PM	41971
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/10/2018 10:00:38 PM	/ 41966
Surr: BFB	88.8	73.8-119	%Rec	1	12/10/2018 10:00:38 PM	/ 41966
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	12/10/2018 10:00:38 PM	A 41966
Toluene	ND	0.048	mg/Kg	1	12/10/2018 10:00:38 PM	A 41966
Ethylbenzene	ND	0.048	mg/Kg	1	12/10/2018 10:00:38 Pt	
Xylenes, Total	ND	0.096	mg/Kg	1	12/10/2018 10:00:38 PI	
Surr: 4-Bromofluorobenzene	95.7	80-120	%Rec	1	12/10/2018 10:00:38 PI	M 41966

Analytical Report Lab Order 1812375

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
C	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 16 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		•		

Hall Environmental Analy	sis Laboratory,	Inc.	annen son annen son anne son		Lab Order 1812375 Date Reported: 12/13/2018
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-017	Matrix: SOIL	Col		e: 12/	18 0' /5/2018 3:20:00 PM /7/2018 8:45:00 AM
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	250	30	mg/Kg	20	12/7/2018 10:36:42 PM 41979
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/10/2018 4:53:43 PM 41971
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/10/2018 4:53:43 PM 41971
Surr: DNOP	90.1	50.6-138	%Rec	1	12/10/2018 4:53:43 PM 41971
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 10:23:55 PM 41966
Surr: BFB	90.9	73.8-119	%Rec	1	12/10/2018 10:23:55 PM 41966
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	12/10/2018 10:23:55 PM 41966
Toluene	ND	0.049	mg/Kg	1	12/10/2018 10:23:55 PM 4196
Ethylbenzene	ND	0.049	mg/Kg	1	12/10/2018 10:23:55 PM 4196
Xylenes, Total	ND	0.097	mg/Kg	1	12/10/2018 10:23:55 PM 4196
Surr: 4-Bromofluorobenzene	97.4	80-120	%Rec	1	12/10/2018 10:23:55 PM 4196

Analytical Report

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
L	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 17 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall E	nvironmental Analy	sis Laboratory,	Inc.			Lab Order 1812375 Date Reported: 12/13/2	018
CLIENT: Project: Lab ID:	Talon Artesia Limerock Malco 1812375-018	Matrix: SOIL			e: 12	18 .5' R /5/2018 3:30:00 PM /7/2018 8:45:00 AM	
Analyses	5	Result	PQL	Qual Units	DF	Date Analyzed	Batch
FPA ME	THOD 300.0: ANIONS					Analys	t: MRA
Chloride		920	30	mg/Kg	20	12/7/2018 11:13:57 PM	1 41979
	THOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analys	t: TOM
	Range Organics (DRO)	ND	9.8	mg/Kg	1	12/10/2018 5:17:28 PM	1 41971
	il Range Organics (MRO)	ND	49	mg/Kg	1	12/10/2018 5:17:28 PN	41971
	DNOP	86.3	50.6-138	%Rec	1	12/10/2018 5:17:28 PN	1 41971
EPA ME	THOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
	e Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 10:47:11 P	M 41966
Surr:	0 0 1	90.7	73.8-119	%Rec	1	12/10/2018 10:47:11 P	M 41966
EPA ME	THOD 8021B: VOLATILES					Analys	t: NSB
Benzen	e	ND	0.025	mg/Kg	1	12/10/2018 10:47:11 F	M 41966
Toluene		ND	0.049	mg/Kg	1	12/10/2018 10:47:11 F	PM 41966
Ethylbe	-	ND	0.049	mg/Kg	1	12/10/2018 10:47:11 F	M 41966
						40/40/2040 40:47:44 5	M 41066

ND

98.1

Xylenes, Total

Surr: 4-Bromofluorobenzene

0.099

80-120

mg/Kg

%Rec

1

1

Analytical Report

12/10/2018 10:47:11 PM 41966

12/10/2018 10:47:11 PM 41966

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 18 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Er	vironmental Analys	is Laboratory,	Inc.]	Date Reported: 12/13/20	18
CLIENT: Project: Lab ID:	Talon Artesia Limerock Malco 1812375-019	Matrix: SOIL	(e: 12/5	9 0' 5/2018 3:40:00 PM 7/2018 8:45:00 AM	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	MRA
Chloride		9600	750	mg/Kg	500	12/10/2018 6:50:38 PM	41979
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst:	том
	ange Organics (DRO)	ND	9.4	mg/Kg	1	12/10/2018 5:41:13 PM	41971
	Range Organics (MRO)	ND	47	mg/Kg	1	12/10/2018 5:41:13 PM	
	DNOP	90.2	50.6-138	%Rec	1	12/10/2018 5:41:13 PM	4197 <i>°</i>
EPA MEI	THOD 8015D: GASOLINE RAI	NGE				Analyst:	NSB
	e Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 11:10:27 PM	1 41966
Surr:	5 5 7	88.0	73.8-119	%Rec	1	12/10/2018 11:10:27 PM	1 41966
	THOD 8021B: VOLATILES					Analyst	NSB
Benzene		ND	0.024	mg/Kg	1	12/10/2018 11:10:27 PM	A 41966
Toluene		ND	0.049	mg/Kg	1	12/10/2018 11:10:27 PM	
Ethylber		ND	0.049	mg/Kg	1	12/10/2018 11:10:27 PM	
Xylenes	, Total	ND	0.097	mg/Kg	1	12/10/2018 11:10:27 PM	
Surr:	4-Bromofluorobenzene	94.4	80-120	%Rec	1	12/10/2018 11:10:27 PM	и 41966

Oualifiers :	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
Quantites	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 19 of 35
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

CLIENT: Talon Artesia		Cl	ient Sa	mple II): S-19	9 1'	
Project: Limerock Malco		(Collect	ion Date	e: 12/5	5/2018 3:50:00 PM	
Lab ID: 1812375-020	Matrix: SOIL		Receiv	ved Date	e: 12/7	7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batcl
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	8800	750		mg/Kg	500	12/10/2018 7:03:02 PM	4197
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	том
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/10/2018 6:04:53 PM	4197
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/10/2018 6:04:53 PM	4197
Surr: DNOP	89.6	50.6-138		%Rec	1	12/10/2018 6:04:53 PM	4197
EPA METHOD 8015D: GASOLINE RANG	E					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/10/2018 11:33:43 PM	/ 4196
Surr: BFB	88.9	73.8-119		%Rec	1	12/10/2018 11:33:43 PM	/ 4196
EPA METHOD 8021B: VOLATILES				i.		Analyst	NSB
Benzene	ND	0.023		mg/Kg	1	12/10/2018 11:33:43 PM	A 4196
Toluene	ND	0.046		mg/Kg	1	12/10/2018 11:33:43 PM	/ 4196
Ethylbenzene	ND	0.046		mg/Kg	1	12/10/2018 11:33:43 PM	
Xylenes, Total	ND	0.092		mg/Kg	1	12/10/2018 11:33:43 PM	
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	12/10/2018 11:33:43 PM	A 4196

Analytical Report Lab Order 1812375

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 20 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S		W	Sample container temperature is out of limit as specified
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as spo

Hall Environmental Analysi	s Laboratory,	Inc.			Lab Order 1812375 Date Reported: 12/13/20	18
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-021	Matrix: SOIL			e: 12/	20 3' R /5/2018 4:00:00 PM /7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	8200	750	mg/Kg	500) 12/10/2018 7:40:16 PM	41984
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/10/2018 7:15:25 PM	41977
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 7:15:25 PM	41977
Surr: DNOP	86.3	50.6-138	%Rec	1	12/10/2018 7:15:25 PM	41977
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/10/2018 1:34:13 PM	41968
Surr: BFB	86.3	73.8-119	%Rec	1	12/10/2018 1:34:13 PM	41968
EPA METHOD 8260B: VOLATILES SHO	ORT LIST				Analyst	: AG
Benzene	ND	0.023	mg/Kg	1	12/10/2018 2:06:36 PM	41968
Toluene	ND	0.047	mg/Kg	1	12/10/2018 2:06:36 PM	41968
Ethylbenzene	ND	0.047	mg/Kg	1	12/10/2018 2:06:36 PM	
Xylenes, Total	ND	0.094	mg/Kg	1	12/10/2018 2:06:36 PM	
Surr: 4-Bromofluorobenzene	95.0	70-130	%Rec	1	12/10/2018 2:06:36 PM	
Surr: Toluene-d8	104	70-130	%Rec	1	12/10/2018 2:06:36 PM	41968

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
•	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 21 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

lysis Laboratory,	Inc.			Date Reported: 12/13/20	18			
Matrix: SOIL	Client Sample ID: S-21 2.5' Collection Date: 12/5/2018 4:10:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Result	PQL	Qual Units	DF	Date Analyzed	Batch			
				Analyst:	MRA			
190	30	mg/Kg	20	12/8/2018 3:22:09 AM	41984			
ANGE ORGANICS				Analyst:	TOM			
ND	9.9	mg/Kg	1	12/10/2018 7:38:50 PM	41977			
ND	49	mg/Kg	1	12/10/2018 7:38:50 PM	41977			
92.8	50.6-138	%Rec	1	12/10/2018 7:38:50 PM	41977			
RANGE				Analyst	NSB			
ND	5.0	mg/Kg	1	12/10/2018 2:42:24 PM	41968			
78.4	73.8-119	%Rec	1	12/10/2018 2:42:24 PM	41968			
SHORT LIST				Analyst	AG			
ND	0.025	mg/Kg	1	12/10/2018 2:35:09 PM	41968			
ND	0.050	mg/Kg	1	12/10/2018 2:35:09 PM	4196			
ND	0.050	mg/Kg	1					
ND	0.099	mg/Kg	1					
95.6			1					
106	70-130	%Rec	1	12/10/2018 2:35:09 PM	4196			
	Matrix: SOIL Result 190 ANGE ORGANICS ND 92.8 RANGE ND 78.4 SHORT LIST ND ND ND ND ND ND 95.6	Matrix: SOIL PQL Result PQL 190 30 ANGE ORGANICS ND ND 9.9 ND 49 92.8 50.6-138 RANGE ND SHORT LIST ND ND 0.025 ND 0.050 ND 0.050 ND 0.099 95.6 70-130	Client Sample II Collection Date Matrix: SOIL Received Date Matrix: SOIL Qual Units Result PQL Qual Units 190 30 mg/Kg ANGE ORGANICS MD 9.9 mg/Kg 92.8 50.6-138 %Rec RANGE ND 5.0 mg/Kg 78.4 73.8-119 %Rec SHORT LIST ND 0.025 mg/Kg ND 0.050 mg/Kg ND 0.050 mg/Kg ND 0.050 mg/Kg ND 0.050 mg/Kg SHORT LIST ND 0.099 mg/Kg ND 0.099 mg/Kg ND 0.099 mg/Kg ND 0.099 mg/Kg	Client Sample ID: S-2 Collection Date: 12, Matrix: SOIL Result PQL Qual Units DF 190 30 mg/Kg 20 ANGE ORGANICS ND 9.9 mg/Kg 1 92.8 50.6-138 %Rec 1 RANGE ND 5.0 mg/Kg 1 RANGE ND 5.0 mg/Kg 1 SHORT LIST ND 0.025 mg/Kg 1 ND 0.050 mg/Kg 1 ND 0.050 mg/Kg 1 SHORT LIST ND 0.050 mg/Kg 1 ND 0.050 mg/Kg 1 ND 0.050 mg/Kg 1 ND 0.050 mg/Kg 1 ND 0.050 mg/Kg 1 SHORT LIST ND 0.050 mg/Kg 1 ND 0.099 mg/Kg 1 ND 0.099 mg/Kg 1 ND 0.099 m	Client Sample ID: S-21 2.5' Collection Date: 12/5/2018 4:10:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM Result PQL Qual Units DF Date Analyzed 190 30 mg/Kg 20 12/8/2018 3:22:09 AM ANGE ORGANICS Analyst: ND 9.9 mg/Kg 1 12/10/2018 7:38:50 PM ND 49 mg/Kg 1 12/10/2018 7:38:50 PM 92.8 50.6-138 %Rec 1 12/10/2018 7:38:50 PM 92.8 50.6-138 %Rec 1 12/10/2018 7:38:50 PM RANGE Analyst: Analyst: Analyst: ND 5.0 mg/Kg 1 12/10/2018 7:38:50 PM RANGE Analyst: Analyst: Analyst: ND 5.0 mg/Kg 1 12/10/2018 2:42:24 PM 78.4 73.8-119 %Rec 1 12/10/2018 2:35:09 PM ND 0.025 mg/Kg 1 12/10/2018 2:35:09 PM			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 22 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis		Date Reported: 12/13/2018				
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-023	Matrix: SOIL	(e: 12/	21 3' R 5/2018 4:20:00 PM 7/2018 8:45:00 AM	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	110	30	mg/Kg	20	12/8/2018 4:24:13 AM	41984
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/10/2018 8:02:18 PM	41977
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/10/2018 8:02:18 PM	41977
Surr: DNOP	91.0	50.6-138	%Rec	1	12/10/2018 8:02:18 PM	41977
EPA METHOD 8015D: GASOLINE RANGE	Ξ				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/10/2018 3:05:09 PM	41968
Surr: BFB	84.2	73.8-119	%Rec	1	12/10/2018 3:05:09 PM	41968
EPA METHOD 8260B: VOLATILES SHOR	T LIST				Analyst	AG
Benzene	ND	0.024	mg/Kg	1	12/10/2018 4:00:44 PM	41968
Toluene	ND	0.048	mg/Kg	1	12/10/2018 4:00:44 PM	4196
Ethylbenzene	ND	0.048	mg/Kg	1	12/10/2018 4:00:44 PM	
Xylenes, Total	ND	0.097	mg/Kg	1	12/10/2018 4:00:44 PM	
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	12/10/2018 4:00:44 PM	
Surr: Toluene-d8	104	70-130	%Rec	1	12/10/2018 4:00:44 PM	41968

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 23 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall En	vironmental Analysis	Laboratory,	Inc.	nya sa ang s	TRADE IN CONTRACT OF CASE AND ADDRESS OF CASE	Lab Order 1812375 Date Reported: 12/13/2018
	Talon Artesia Limerock Malco			ient Sampl		5-22 3' R 2/5/2018 4:30:00 PM
Project: Lab ID:	1812375-024	Matrix: SOIL		Received 1	Date: 1	2/7/2018 8:45:00 AM
Analyses		Result	PQL	Qual Uni	ts D	F Date Analyzed Batch
EPA MET	HOD 300.0: ANIONS					Analyst: MRA
Chloride		66	30	mgi	Kg 2	0 12/8/2018 4:36:37 AM 41984
	HOD 8015M/D: DIESEL RANGE					Analyst: TOM
	ange Organics (DRO)	ND	9.8	mg	'Kg 1	12/10/2018 8:25:51 PM 4197
	Range Organics (MRO)	ND	49	mg	'Kg 1	12/10/2018 8:25:51 PM 4197
Surr: D	• •	91.1	50.6-138	%R	ec 1	12/10/2018 8:25:51 PM 4197
EPA MET	HOD 8015D: GASOLINE RANG	E				Analyst: NSB
	Range Organics (GRO)	ND	4.7	mg	/Kg 1	12/10/2018 3:27:41 PM 4196
Surr: E	• •	79.9	73.8-119	%F	ec 1	12/10/2018 3:27:41 PM 4196
FPA MET	HOD 8260B: VOLATILES SHOP	RT LIST				Analyst: AG
Benzene		ND	0.024	mg	/Kg 1	12/10/2018 4:29:17 PM 4196
Toluene		ND	0.047	mg	/Kg 1	12/10/2018 4:29:17 PM 4196
Ethylben	zene	ND	0.047	mg	/Kg 1	I 12/10/2018 4:29:17 PM 4196
Xylenes,		ND	0.094	mg	/Kg 1	
Surr: 4	I-Bromofluorobenzene	96.6	70-130			
Surr: 7	Foluene-d8	105	70-130	%F	lec 1	1 12/10/2018 4:29:17 PM 4196

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 24 of 35
		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
		Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		· -		

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Analytical Report
Lab Order 1812375
Date Reported: 12/13/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Project: Limerock Malco				ion Date		23 2' R /5/2018 4:40:00 PM	
Lab ID: 1812375-025	Matrix: SOIL		/7/2018 8:45:00 AM				
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: MRA
Chloride	1200	75		mg/Kg	50	12/10/2018 7:52:40 PM	41984
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	t: Irm
Diesel Range Organics (DRO)	2300	99		mg/Kg	10	12/11/2018 3:23:44 PM	41977
Motor Oil Range Organics (MRO)	890	490		mg/Kg	10	12/11/2018 3:23:44 PM	1 41977
Surr: DNOP	0	50.6-138	S	%Rec	10	12/11/2018 3:23:44 PM	1 41977
EPA METHOD 8015D: GASOLINE RAI	NGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/10/2018 12:48:50 P	M 41968
Surr: BFB	118	73.8-119		%Rec	1	12/10/2018 12:48:50 P	M 41968
EPA METHOD 8260B: VOLATILES SH	ORT LIST					Analys	t: AG
Benzene	ND	0.023		mg/Kg	1	12/10/2018 4:57:54 PN	A 41968
Toluene	ND	0.046		mg/Kg	1	12/10/2018 4:57:54 PN	A 41968
Ethylbenzene	ND	0.046		mg/Kg	1	12/10/2018 4:57:54 PN	1 41968
Xylenes, Total	ND	0.092		mg/Kg	1	12/10/2018 4:57:54 PN	
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	12/10/2018 4:57:54 PM	
Surr: Toluene-d8	104	70-130		%Rec	1	12/10/2018 4:57:54 PM	M 41968

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 25 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		-		

Hall Environmental Analysis		Date Reported: 12/13/20)18					
CLIENT: Talon Artesia Project: Limerock Malco Lab ID: 1812375-026	Client Sample ID: S-24 2.5' Collection Date: 12/5/2018 4:50:00 PM Matrix: SOIL Received Date: 12/7/2018 8:45:00 AM							
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	250	30	mg/Kg	20	12/8/2018 5:01:25 AM	41984		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: Irm		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/11/2018 3:01:44 PM	41977		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/11/2018 3:01:44 PM	41977		
Surr: DNOP	73.2	50.6-138	%Rec	1	12/11/2018 3:01:44 PM	41977		
EPA METHOD 8015D: GASOLINE RANGI					Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/10/2018 3:50:15 PM	41968		
Surr: BFB	81.3	73.8-119	%Rec	1	12/10/2018 3:50:15 PM	41968		
EPA METHOD 8260B: VOLATILES SHOR	TLIST				Analyst	: AG		
Benzene	ND	0.025	mg/Kg	j 1	12/10/2018 5:54:51 PM	41968		
Toluene	ND	0.049	mg/Kg	j 1	12/10/2018 5:54:51 PM	41968		
Ethylbenzene	ND	0.049	mg/Kg	j 1	12/10/2018 5:54:51 PM	41968		
Xylenes, Total	ND	0.098	mg/Kg	j 1	12/10/2018 5:54:51 PM			
Surr: 4-Bromofluorobenzene	96.3	70-130	%Rec		12/10/2018 5:54:51 PN			
Surr: Toluene-d8	103	70-130	%Rec	1	12/10/2018 5:54:51 PN	41968		

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 26 of 35
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
		•		

Talon Artesia **Client: Project:**

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L	imero	ck Male	co

Sample IDMB-41979SampType:mblkTestCode:EPA Method 300.0:AnionsClient ID:PBSBatch ID:41979RunNo:56164Prep Date:12/7/2018Analysis Date:12/7/2018SeqNo:1877423Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuChlorideND1.5SampType:IcsTestCode:EPA Method 300.0:AnionsSample IDLCS-41979SampType:IcsTestCode:EPA Method 300.0:AnionsClient ID:LCSSBatch ID:41979RunNo:56164Prep Date:12/7/2018Analysis Date:12/7/2018SeqNo:1877424Units:mg/Kg	Qual
Chemin ID. PBS Data in D. Prop Prep Date: 12/7/2018 Analysis Date: 12/7/2018 SeqNo:: 1877423 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Question Chloride ND 1.5	Qual
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu Chloride ND 1.5 Sample ID LCS-41979 SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 41979 RunNo: 56164	Qual
Analyte ND 1.5 Sample ID LCS-41979 SampType: Ics TestCode: EPA Method 300.0: Client ID: LCSS Batch ID: 41979 RunNo: 56164	Qual
Sample ID LCS-41979 SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 41979 RunNo: 56164	
Client ID: LCSS Batch ID: 41979 RunNo: 56164	
Prep Date: 12/7/2018 Analysis Date: 12/7/2018 SeqNo: 1877424 Units: mg/Kg	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	Qual
Chloride 14 1.5 15.00 0 95.0 90 110	
Sample ID MB-41984 SampType: mblk TestCode: EPA Method 300.0: Anions	
Client ID: PBS Batch ID: 41984 RunNo: 56164	
Pren Date: 12/7/2018 Analysis Date: 12/7/2018 SeqNo: 1877456 Units: mg/Kg	
Prep Date: 12/7/2018 Analysis Date: 12/7/2018 SeqNo: 1877456 Units: mg/Kg	Qual
Thep bale. Terreto Milario Bale. Terreto Control March 1970 Annual mit March 1970 PPD I mit	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q Chloride ND 1.5 TextOrder EDA Method 200.0: Anione	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q Chloride ND 1.5 Sample ID LCS-41984 SampType: Ics TestCode: EPA Method 300.0: Anions	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q Chloride ND 1.5 Sample ID LCS-41984 SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 41984 RunNo: 56164 Prep Date: 12/7/2018 Analysis Date: 12/8/2018 SeqNo: 1877457 Units: mg/Kg	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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Talon Artesia **Client: Project:**

Limerock Malco

Project: Limerock	Ivialco									
Sample ID LCS-41977	SampTy	pe: LC	S	Test	Code: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	ID: 419	977	R	unNo: 56	6204				
Prep Date: 12/7/2018	Analysis Da	ate: 12	/10/2018	S	eqNo: 1	877368	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	43 5.2	10	50.00 5.000	0	85.2 103	70 50.6	130 138		2.0.484 . 2.384	
Sample ID MB-41977	SampTy	/pe: ME	BLK	Test	Code: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batch	ID: 419	977	R	tunNo: 5	6204				
Prep Date: 12/7/2018	Analysis Da	ate: 12	2/10/2018	S	eqNo: 1	877369	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO) Surr: DNOP	ND 9.9	50	10.00		99.3	50.6	138			
Sample ID MB-41971	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 41	971	F	RunNo: 5	6203				
Prep Date: 12/7/2018	Analysis D	ate: 12	2/10/2018	5	SeqNo: 1	877371	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50	40.00		91.1	50.6	138			
Surr: DNOP	9.1		10.00							
Sample ID LCS-41971	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 41	971	F	RunNo: 8	56203				
Prep Date: 12/7/2018	Analysis D	ate: 1	2/10/2018	:	SeqNo: 1	1877372	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.3	70	130			
Surr: DNOP	4.7		5.000		93.7	50.6	138			
Sample ID 1812375-020AMS	SampT	уре: М	s	Tes	stCode: E	EPA Method	1 8015M/D: Di	esel Rang	e Organics	
Client ID: S-19 1'	Batcl	h ID: 41	1971		RunNo: 1	56203				
Prep Date: 12/7/2018	Analysis D	Date: 1	2/10/2018		SeqNo:	1878268	Units: mg/ I	≺g		
Analyte	Result	PQL	SPK value	SPK Ref Val				%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.7		0	87.6					
Surr: DNOP	4.2		4.831		86.5	50.6	138			

Qualifiers:

Value exceeds Maximum Contaminant Level. *

Sample Diluted Due to Matrix D

- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

1812375

WO#:

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Talon Artesia **Client: Project:** Limerock Malco

Sample ID 1812375-020AMSD	SampType: MS	SD	Test	Code: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: S-19 1'	Batch ID: 41	971	R	unNo: 5 0	6203				
Prep Date: 12/7/2018	Analysis Date: 12	2/10/2018	S	eqNo: 1	878269	Units: mg/Kg	9		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41 9.6	48.03	0	85.9	53.5	126	2.55	21.7	
Surr: DNOP	4.1	4.803		85.0	50.6	138	0	0	1000
Sample ID LCS-42041	SampType: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	<u>.</u>
Client ID: LCSS	Batch ID: 42	041	F	tunNo: 5	6237				
Prep Date: 12/11/2018	Analysis Date: 12	2/12/2018	S	SeqNo: 1	881116	Units: %Rec	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4	5.000		87.7	50.6	138			
Sample ID MB-42041	SampType: MI	BLK	Tes	tCode: E	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: PBS	Batch ID: 42	041	F	RunNo: 5	6237				
Prep Date: 12/11/2018	Analysis Date: 1	2/12/2018	8	GeqNo: 1	881117	Units: %Rec	;		
Analyte	Result PQL	SPK value	SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2	10.00		92.0	50.6	138			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

1812375

WO#:

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Analyte

Client: Project:	Talon Art Limerock							- 144 - 1			
Sample ID	WB-41966	Samp	Гуре: МЕ	3LK	Test	Code: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: F	PBS	Batc	h ID: 41	966	R	tunNo: 5	6220				
Prep Date:	12/7/2018	Analysis [Date: 12	2/10/2018	S	eqNo: 1	877902	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (GRO)	ND 1000	5.0	1000		105	73.8	119			
Sample ID	LCS-41966	Samp	Type: LC	cs	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: I	LCSS	Bato	h ID: 41	966	F	RunNo: 5	6220				
Prep Date:	12/7/2018	Analysis I	Date: 1	2/10/2018	5	SeqNo: 1	877903	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	26	5.0	25.00	0	106	80.1	123			
Surr: BFB		1200		1000		116	73.8	119			
Sample ID	1812375-001AMS	Samp	Туре: М	S	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	S-11 0'	Bato	h ID: 41	1966	F	RunNo: 5	6220				
Prep Date:	12/7/2018	Analysis	Date: 1	2/10/2018	S	SeqNo: 1	877905	Units: mg/H	ζg		

SPK value SPK Ref Val

PQL

Result

Gasoline Range Organics (GRO)	28	4.9	24.30	0	114	77.8	128			
Surr: BFB	1100		971.8		117	73.8	119			
Sample ID 1812375-001AMS	D SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Gasc	oline Rang	e	
Client ID: S-11 0'	Batch	ID: 41	966	F	RunNo: 5	6220				
Prep Date: 12/7/2018	Analysis D	ate: 12	2/10/2018	S	SeqNo: 1	877906	Units: mg/M	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.88	0	97.4	77.8	128	13.1	20	
Surr: BFB	1000		995.0		104	73.8	119	0	0	
Sample ID MB-41975	SampT	уре: МІ	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PBS	Batch	n ID: 41	975	F	RunNo: 5	6220				
Prep Date: 12/7/2018	Analysis D	ate: 1	2/10/2018	5	SeqNo: 1	877926	Units: % Re	С		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		93.7	73.8	119			
Sample ID LCS-41975	SampT	ype: LC	cs	Tes	stCode: E	PA Method	8015D: Gas	oline Rang	le	
Client ID: LCSS	Batc	h ID: 41	975	ł	RunNo: 8	56220				

%REC

LowLimit

77.8

HighLimit

128

Clier	nt ID: LCSS	Batch	1D: 41	975	R	unNo: 5	6220				
Prep	Date: 12/7/2018	Analysis D	ate: 1	2/10/2018	S	eqNo: 1	877927	Units: %Red	;		
Ana	vte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	r: BFB	1100		1000		111	73.8	119			

Qualifiers:

Value exceeds Maximum Contaminant Level. *

Sample Diluted Due to Matrix D

- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND

Practical Quanitative Limit PQL

- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В

Value above quantitation range E

- Analyte detected below quantitation limits J
- Sample pH Not In Range Р

Reporting Detection Limit RL

Sample container temperature is out of limit as specified W

13-Dec-18

%RPD

RPDLimit

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Qual

Client: Talon Artesia Limerock Malco

Project:

Billent ID: PBS Batch ID: 41968 RunNo: 56221 Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877994 Units: mg/Kg Malyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Malyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Sample ID LCS-41968 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Sample ID LCSS Batch ID: 41968 RunNo: 56221 Orep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877995 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Sample ID 1812375-021AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range Sample ID 1812375-021AMS SampType: MS	Tojeet. Emicroen											
Mark II. PDG Statume Mode Prep Date: 12/1/2018 Analysis Date: 12/1/2018 SeqNo: 1877994 Units: mg/Kg Malyle Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Sourie Brage Organics (GRO) ND 890 1000 89.1 73.8 119 Sample ID LCS-41968 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Sample ID LCS-41968 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Sample ID LCS-41968 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Sample ID LCS-41968 SampType: SeqNo: 1877995 Units: mg/Kg Analyte Result PQL SPK value SeqNo: 1877995 Units: mg/Kg Sample ID 1812375-021AMS SampType: Ms TestCode: EPA Method 8015D: Gasoline Range Sasoline	Sample ID MB-41968	SampTy	/pe: MB	LK	Test	Code: EP	A Method	8015D: Gaso	line Range	9		
Pictor Pictor Pictor Service Pictor Service Pictor Service Result Pictor Service	Client ID: PBS	Batch	ID: 419	68	R	unNo: 56	221					
Nnalyte Result Poll SRV Rate Or Kter Val Vices Extended Hightmate Result Poll SRV rate Strict Strict Strict Strict <th cold<="" td=""><td>Prep Date: 12/7/2018</td><td>Analysis Da</td><td>ate: 12</td><td>/10/2018</td><td>S</td><td>eqNo: 18</td><td>377994</td><td>Units: mg/K</td><td>g</td><td></td><td></td></th>	<td>Prep Date: 12/7/2018</td> <td>Analysis Da</td> <td>ate: 12</td> <td>/10/2018</td> <td>S</td> <td>eqNo: 18</td> <td>377994</td> <td>Units: mg/K</td> <td>g</td> <td></td> <td></td>	Prep Date: 12/7/2018	Analysis Da	ate: 12	/10/2018	S	eqNo: 18	377994	Units: mg/K	g		
asoline Range Organics (GRO) ND 5.0 Surr: BFB 890 1000 89.1 73.8 119 Sample ID LCS-41968 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 41968 RunNo: 56221 Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877995 Units: mg/Kg Analyte Result POL SPK value SPK value SPK value No 5.0 Surr: BFB 1100 1000 113 73.8 119 Qual Sample ID 1812375-021AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: S-20 3' R Batch ID: 41968 RunNo: 56221 Sample ID 1812375-021AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range Glient ID: S-20 3' R Batch ID: 41968 RunNo: 56221 Prep Date: 12/1/2018 SeqNo: 1877997 Units: mg/Kg Samp	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Client ID: LCSS Batch ID: 41968 RunNo: 56221 Orep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877995 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual asoline Range Organics (GRO) 24 5.0 25.00 0 95.0 80.1 123 Surr: BFB 1100 1000 113 73.8 119	Gasoline Range Organics (GRO)		5.0	1000		89.1	73.8	119				
Client ID:LCSSBatch ID:41968RunNo:56221Prep Date:12/7/2018Analysis Date:12/10/2018SeqNo:1877995Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualasoline Range Organics (GRO)245.025.00095.080.11231191100100011373.8119Sample ID1812375-021AMSSampType:MSTestCode:EPA Method 8015D: Gasoline RangeClient ID:SeqNo:1877997Units:mg/KgClient ID:S-20 3' RBatch ID:41968RunNo:56221113%RPDRPDLimitQualAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualSample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D: Gasoline RangeUnits:mg/KgSample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D: Gasoline RangeUnits:Mg/KgSample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D: Gasoline RangeUnits:Mg/KgSample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D: Gasoline RangeUnits: <t< td=""><td>Sample ID LCS-41968</td><td>SampTy</td><td>ype: LC</td><td>S</td><td>Test</td><td>Code: EF</td><td>PA Method</td><td>8015D: Gasc</td><td>line Rang</td><td>e</td><td></td></t<>	Sample ID LCS-41968	SampTy	ype: LC	S	Test	Code: EF	PA Method	8015D: Gasc	line Rang	e		
Prep Date:12/17/2018Analysis Date:11/10/2018SPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualasoline Range Organics (GRO)245.025.00095.080.1123Surr: BFB1100100011373.8119Sample ID1812375-021AMSSampType:MSTestCode:EPA Method 8015D:Gasoline RangeClient ID:S-20 3' RBatch ID:41968RunNo:56221Prep Date:12/17/2018Analysis Date:12/10/2018SeqNo:1877997Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualSample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeSurr: BFB950969.097.573.8119Sample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeClient ID:S-20 3' RBatch ID:41968RunNo:56221Surr: BFB950969.097.573.8119Sample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeClient ID:S-20 3' RBatch ID:41968RunNo:56221Prep	Client ID: LCSS	Batch	ID: 41	968	R	unNo: 50	6221					
Analyte Result POL SPK Value SPK Value SPK Value SPK Value SPK Value V	Prep Date: 12/7/2018	Analysis D	ate: 12	2/10/2018	S	eqNo: 18	377995	Units: mg/K	(g			
assoline Range Organics (GRO) 24 5.0 25.00 0 95.0 80.1 123 Surr: BFB 1100 1000 113 73.8 119 Sample ID 1812375-021AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: S-20 3' R Batch ID: 41968 RunNo: 56221 Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877997 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 21 4.8 24.22 0 88.6 77.8 128 Surr: BFB 950 969.0 97.5 73.8 119 950 950 Sample ID 1812375-021AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range 950 969.0 97.5 73.8 119 950 Sample ID 1812375-021AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range 950 969.0 97.5 73.8 119 950 96.0	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB I 100 1000 1000 1000 1000 1000 Sample ID 1812375-021AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: S-20 3' R Batch ID: 41968 RunNo: 56221 Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877997 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 21 4.8 24.22 0 88.6 77.8 128 Surr: BFB 950 969.0 97.5 73.8 119	Gasoline Range Organics (GRO)	24	5.0	25.00	0							
Sample ID1812375-021AM/SSamplybe.MoComparisonClient ID:S-20 3' RBatch ID:41968RunNo:56221Prep Date:12/7/2018Analysis Date:12/10/2018SeqNo:1877997Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualGasoline Range Organics (GRO)214.824.22088.677.8128Surr: BFB950969.097.573.8119Sample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeClient ID:S-20 3' RBatch ID:41968RunNo:56221Prep Date:12/7/2018Analysis Date:12/10/2018SeqNo:1877998Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualGasoline Range Organics (GRO)214.924.51087.077.81280.60820Gasoline Range Organics (GRO)214.924.51087.077.81280.60820Gasoline Range Organics (GRO)214.924.51087.077.81280.60820Gasoline Range Organics (GRO)214.924.51087.077.811000	Surr: BFB	1100		1000		113	73.8	119				
Client ID.S-20 3 kDate: 12/10/2018SeqNo: 1877997Units: mg/KgPrep Date:12/7/2018Analysis Date:12/10/2018SeqNo: 1877997Units: mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualGasoline Range Organics (GRO)214.824.22088.677.8128Surr: BFB950969.097.573.8119Sample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeClient ID:S-20 3' RBatch ID:41968RunNo:56221Prep Date:12/7/2018Analysis Date:12/10/2018SeqNo:1877998Units: mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualGasoline Range Organics (GRO)214.924.51087.077.81280.60820												
Prep Date:12/1/2018Analysis Date:12/10/2018OrganicalOrganicalOrganicalOrganicalQualAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualSasoline Range Organics (GRO)214.824.22088.677.8128Surr: BFB950969.097.573.8119Sample ID1812375-021AMSDSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeClient ID:S-20 3' RBatch ID:41968RunNo:56221Prep Date:12/7/2018Analysis Date:12/10/2018SeqNo:1877998Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQualGasoline Range Organics (GRO)214.924.51087.077.81280.60820	Sample ID 1812375-021AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e		
Analyte Result PQL SPK value	Sample ID 1812375-021AMS Client ID: S-20 3' R							8015D: Gaso	oline Rang	e		
Gasoline Range Organics (GRO) 21 4.6 24.22 0 50.0 110 Surr: BFB 950 969.0 97.5 73.8 119 Sample ID 1812375-021AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-20 3' R Batch ID: 41968 RunNo: 56221 Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877998 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 21 4.9 24.51 0 87.0 77.8 128 0.608 20	•	Batch	1D: 41	968	F	RunNo: 5	6221		-	e		
Surr: BPB Store Store Store Sample ID 1812375-021AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-20 3' R Batch ID: 41968 RunNo: 56221 Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877998 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 21 4.9 24.51 0 87.0 77.8 128 0.608 20	Client ID: S-20 3' R	Batch Analysis D	n ID: 41 pate: 1:	968 2/10/2018	F S	RunNo: 5 SeqNo: 1	6221 877997 LowLimit	Units: mg// HighLimit	<g< td=""><td></td><td>Qual</td></g<>		Qual	
Client ID: S-20 3' R Batch ID: 41968 RunNo: 56221 Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877998 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 21 4.9 24.51 0 87.0 77.8 128 0.608 20	Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte	Batch Analysis D Result	DID: 41	968 2/10/2018	F SPK Ref Val	RunNo: 5 SeqNo: 1 %REC 88.6	6221 877997 LowLimit 77.8	Units: mg/ł HighLimit 128	<g< td=""><td></td><td>Qual</td></g<>		Qual	
Prep Date: 12/7/2018 Analysis Date: 12/10/2018 SeqNo: 1877998 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 21 4.9 24.51 0 87.0 77.8 128 0.608 20	Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte Gasoline Range Organics (GRO)	Batch Analysis D Result 21	DID: 41	968 2/10/2018 SPK value 24.22	F SPK Ref Val	RunNo: 5 SeqNo: 1 %REC 88.6	6221 877997 LowLimit 77.8	Units: mg/ł HighLimit 128	<g< td=""><td></td><td>Qual</td></g<>		Qual	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 21 4.9 24.51 0 87.0 77.8 128 0.608 20	Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte Gasoline Range Organics (GRO) Surr: BFB	Batch Analysis D Result 21 950	n ID: 41 pate: 12 PQL 4.8	968 2/10/2018 SPK value 24.22 969.0	F SPK Ref Val 0	RunNo: 5 GeqNo: 1 %REC 88.6 97.5	6221 877997 LowLimit 77.8 73.8	Units: mg/ł HighLimit 128 119	(g %RPD	RPDLimit	Qual	
Analyte Result PQL SPK value	Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte Gasoline Range Organics (GRO) Surr: BFB	Batch Analysis D Result 21 950 D SampT	Di ID: 41 Pate: 12 PQL 4.8	968 2/10/2018 SPK value 24.22 969.0 SD	F S SPK Ref Val 0 Tes	RunNo: 5 SeqNo: 1 %REC 88.6 97.5 tCode: E	6221 877997 LowLimit 77.8 73.8 PA Method	Units: mg/ł HighLimit 128 119	(g %RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) 21 4.9 24.51 0 87.0 77.8 128 0.608 20	Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1812375-021AMS	Batch Analysis D Result 21 950 D SampT Batch	PQL 4.8 7ype: M8 h ID: 41	968 2/10/2018 SPK value 24.22 969.0 SD 968	F SPK Ref Val 0 Tes F	RunNo: 5 GeqNo: 1 <u>%REC</u> 88.6 97.5 tCode: E RunNo: 5	6221 877997 LowLimit 77.8 73.8 PA Method 6221	Units: mg/k HighLimit 128 119 8015D: Gase	(g %RPD bline Rang	RPDLimit	Qual	
	Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1812375-021AMS Client ID: S-20 3' R Prep Date: 12/7/2018	Batch Analysis D Result 21 950 D SampT Batch Analysis D	n ID: 41 pate: 12 PQL 4.8 ype: M: n ID: 41 Date: 1	968 2/10/2018 SPK value 24.22 969.0 SD 968 2/10/2018	F SPK Ref Val 0 Tes F	RunNo: 5 SeqNo: 1 %REC 88.6 97.5 ttCode: E RunNo: 5 SeqNo: 1	6221 877997 LowLimit 77.8 73.8 PA Method 6221 877998	Units: mg/k HighLimit 128 119 8015D: Gase Units: mg/l	Kg %RPD poline Rang Kg %RPD	RPDLimit re RPDLimit		
	Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1812375-021AMS Client ID: S-20 3' R Prep Date: 12/7/2018 Analyte	Batch Analysis D Result 21 950 D SampT Batch Analysis D Result	n ID: 41 pate: 12 PQL 4.8 Type: M: n ID: 41 Date: 1 PQL	968 2/10/2018 SPK value 24.22 969.0 SD 968 2/10/2018 SPK value	Find SPK Ref Val 0 Tes SPK Ref Val	RunNo: 5 SeqNo: 1 %REC 88.6 97.5 tCode: E RunNo: 5 SeqNo: 1 %REC	6221 877997 LowLimit 77.8 73.8 PA Method 6221 877998 LowLimit 77.8	Units: mg// HighLimit 128 119 8015D: Gase Units: mg// HighLimit 128	Kg %RPD poline Rang Kg %RPD 0.608	RPDLimit le RPDLimit 20		

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

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13-Dec-18

RL W

Client:	Talon Art	esia									
Project:	Limerock	Malco									
Sample ID	MB-41966	SampT	уре: МВ	LK	Test	Code: EP	A Method	8021B: Volat	iles		
•	PBS	Batch	n ID: 419	66	R	unNo: 5 6	220				
Prep Date:	12/7/2018	Analysis D	ate: 12	/10/2018	S	eqNo: 18	377944	Units: mg/K	g		
•		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Benzene		ND	0.025			701120					
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
•	nofluorobenzene	1.1		1.000		112	80	120			
Sample ID	LCS-41966	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	lles		
Client ID:	LCSS	Batcl	h ID: 419	966	F	RunNo: 5	6220				
Prep Date:	12/7/2018	Analysis E	Date: 12	2/10/2018	5	SeqNo: 1	877945	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.97	0.025	1.000	0	97.0	80	120			
Toluene		1.0	0.050	1.000	0	101	80	120			
Ethylbenzene		1.0	0.050	1.000	0	101	80	120			
Xylenes, Total		3.1	0.10	3.000	0	103	80	120			
	nofluorobenzene	1.1		1.000		110	80	120			
		Comp			Tes	tCode: E	PA Method	8021B: Vola	tiles		
	1812375-002AMS	•	Type: MS			RunNo: 5		002121110			
Client ID:	S-11 .5' R		h ID: 41			SeqNo: 1		Units: mg/ł	(a		
Prep Date:	12/7/2018	Analysis I	Date: 12	2/10/2018	·			•	-		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.89	0.023	0.9381	0	95.4	63.9	127			
Toluene		0.95	0.047	0.9381	0.009623	100	69.9	131			
Ethylbenzene		0.96	0.047	0.9381	0	103	71	132			
Xylenes, Tota	1	2.9	0.094	2.814	0	104	71.8	131			
Surr: 4-Bro	mofluorobenzene	0.99		0.9381		105	80	120			
Sample ID	1812375-002AMS	D Samp	Туре: М	SD	Te	stCode: E	PA Method	8021B: Vola	tiles		
Client ID:	S-11 .5' R		ch ID: 41	966		RunNo: 8	56220				
Prep Date		Analysis	Date: 1	2/10/2018		SeqNo: 1	877949	Units: mg/	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.024			93.8	63.9	127	2.06	20	
Toluene		0.97	0.049			98.2	69.9	131	1.55	20	
Ethylbenzene	9	0.98	0.049		0	101	71	132	1.77	20	
Xylenes, Tota		3.0	0.097			102	71.8	131	1.44	20	
•	mofluorobenzene	1.0		0.9737		105	80	120	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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WO#: 13-Dec-18

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Client: Project:	Talon . Limero	Artesia ock Malco								
Sample ID	MB-41975	SampType	MBLK				8021B: Volat	iles		
Client ID: I	PBS	Batch ID	41975	R	unNo: 56	6220				
Prep Date:	12/7/2018	Analysis Date	: 12/10/2018	S	eqNo: 1	877968	Units: %Re	0		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromo	fluorobenzene	1.0	1.000		101	80	120			
Sample ID	LCS-41975	SampType	: LCS	Test	Code: El	PA Method	8021B: Vola	tiles		
Client ID: I	LCSS	Batch ID	: 41975	R	unNo: 5	6220				
Prep Date:	12/7/2018	Analysis Date	: 12/10/2018	S	eqNo: 1	877969	Units: % Re	С		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromo	ofluorobenzene	1.1	1.000		111	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

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Client: Project:

Talon Artesia Limerock Malco

Sample ID 1812375-022ams	s SampTy	pe: MS	i	Test	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: S-21 2.5'	Batch	ID: 419	968	R	RunNo: 5	6208				
Prep Date: 12/7/2018	Analysis Da	ate: 12	/10/2018	S	SeqNo: 1	878735	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9756	0	93.9	70	130			
Toluene	0.95	0.049	0.9756	0	97.2	70	130			
Ethylbenzene	1.0	0.049	0.9756	0	104	70	130			
Xylenes, Total	3.0	0.098	2.927	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	0.51		0.4878		105	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.4878		93.5	70	130			
Surr: Dibromofluoromethane	0.53		0.4878		108	70	130			
Surr: Toluene-d8	0.50		0.4878		102	70	130			
Sample ID 1812375-022ams	sd SampTy	/pe: MS	SD	Tes	tCode: E	PA Method	8260B: Vola	tiles Shorf	t List	
Client ID: S-21 2.5'	Batch	ID: 41	968	F	RunNo: 5	6208				
Prep Date: 12/7/2018	Analysis Da	ate: 12	2/10/2018	S	SeqNo: 1	878736	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9766	0	92.7	70	130	1.23	20	
Toluene	0.97	0.049	0.9766	0	99.8	70	130	2.73	20	
Ethylbenzene	0.99	0.049	0.9766	0	101	70	130	2.45	0	
Xylenes, Total	3.0	0.098	2.930	0	103	70	130	0.988	0	
Surr: 1,2-Dichloroethane-d4	0.51		0.4883		105	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.45		0.4883		92.7	70	130	0	0	
Surr: Dibromofluoromethane	0.54		0.4883		110	70	130	0	0	
Surr: Toluene-d8	0.51		0.4883		104	70	130	0	0	
Sample ID LCS-41968	SampT	ype: LC	s	Tes	stCode: E	PA Method	l 8260B: Vola	tiles Shor	t List	
Client ID: LCSS	Batch	ID: 41	968	I	RunNo: t	56208				
Prep Date: 12/7/2018	Analysis D	ate: 1	2/10/2018	:	SeqNo: 1	1878755	Units: mg/l	≺g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	99.8	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	104	70	130			
Xylenes, Total	3.1	0.10	3.000	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		109	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000	i	96.9	70	130			
Surr: Dibromofluoromethane	0.54		0.5000)	109	70	130			
Surr: Toluene-d8	0.52		0.5000)	105	70	130			

Oualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

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Client: Talon Artesia Project: Limerock Malco

Sample ID MB-41968	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batch	n ID: 41	968	F	RunNo: 5	6208				
Prep Date: 12/7/2018	Analysis D)ate: 12	2/10/2018	5	SeqNo: 1	878756	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.9	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		111	70	130			
Surr: Toluene-d8	0.53		0.5000		106	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental . Albu TEL: 505-345-3975 Website: www.hu	190 iquerg FAX:	H Howkins pie. NM 874 505-345-44	NE 165 St 107	Sample Log-In Check List					
Client Name: TALON ARTESIA	Work Order Number:	1813	2375			RopiNo:	1			
Received By: Victoria Zellar	12/7/2018 8:45:00 AM			Vutnia	ди	27				
Completed By: Jazzmine Burkhead	12/7/2018 9:09:30 AM			di Kala						
Reviewed By: JU 12-1-18										
Labeled by ENM 12/	7/18									
1. Is Chain of Custody complete?		Yes	\checkmark	No]	Not Present				
2, How was the sample delivered?		Cou	rier							
Log In 3. Was an attempt made to cool the samples?		Yes		Νο]	NA				
4. Were all samples received at a temperature of	f >0° C to 6.0°C	Yes		No L		na 🗋				
5. Sample(s) in proper container(s)?		Yes	Ł	No []					
6. Sufficient sample volume for indicated test(s)	?	Yes		No []					
7. Are samples (except VOA and ONG) properly	preserved?	Yes		No 🗌]					
8. Was preservative added to bottles?		Yés		No 🔽	2	NA 🗆				
9. VOA vials have zero headspace?		Yes		No []	J	No VOA Vials 🔽				
10. Were any sample containers received broken	17	Yes		No 🛛	2	# of preserved	118			
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes		No [for pH:	>12 unless noted)			
12. Are matrices correctly identified on Chain of C	Sustody?	Yes		No [, ·	Abjusted?	-			
13, is it clear what analyses were requested?		Yes Yes		No L No E	-	Checked by:				
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Tes	<u>M</u>	IAD I	/	Chlocked by:	And the second se			
Special Handling (if applicable)				***						
15. Was client notified of all discrepancies with the	his order?	Yes		NO []	NA 🗹				
Person Notified:	Date:			and a state of the second	ineren er					
By Whom:	V(a; [] eM	laŭ 🗍 Pl	hone 🕅 F	Fax	🗍 In Person				
Regarding		and and a second se				999-999 (1999) - 2010 (1999) - 2010 (1999) - 2010 (1999) - 2010 (1999) - 2010 (1999) - 2010 (1999) - 2010 (199 - 2010 (1999) - 2010 (1990) - 2010 (1990) - 2010 (1990) - 2010 (1990) - 2010 (1990) - 2010 (1990) - 2010 (1990)	4000			
Client Instructions:										
16. Additional remarks:										
17. <u>Cooler Information</u> Cooler No Temp °C Condition Se 1 4.3 Good Yes		Seal [Date	Signed By	y a					

HALLENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4921 Hawkins NE - Albuquerque, NM 871C9 Tel. 505-345-3975 Fax 505-345-4107 Analysis Recites	P.H.Y.s (8310 or 8270 GIMS) (2001 8 P.H.S) و2001 8 Metals Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) 8081 Pesticides / 8082 PCB's 8270 (Semi-VOA) 8270 (Semi-VOA) 2240 (Semi-VOA) 2240 (Semi-VOA) 2240 (Semi-VOA) 2240 (Semi-VOA) 2250 (Semi-	>														anile 8:45	if necessary, samples submitted to Hell Environmental may be subcantaded to other acception. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the arrany in the arrany in the arrany in the arrany in the arrany is a submitted at
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	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis	(٣c (OE	98'*04 (SWI 10 (0) 10 SED)	(1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	((0) (0) (0) (1) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	11M 83r 0419 0708 0708 10,7 10,7 10,7 10,7 10,7 10,7 10,7 10,7	+ X∃T8 + X∃T8 TPH 80 M) H9T M)								Remarks:		190 - 201 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	is possibility. Any sub-contracted dala will be clearly notated on the analytical report.
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Chain-of-Custody Record	Client: Trul AN ILE		Mailing Address: 40'S W. TEXAS AWE	MN PRANCICX	Phone # 575- 7410 - X7165	email or Fax#:	QA/OC Package:		(be)		Date Time Matrix Sample Request ID	WS Server S Sign 2	Sie m	£					Date: Time: Relingüished by:	Date: Time: Relifique by:	26/8 1900 - 2011	If recessary, sampled submitted to Hall Environmental may be subor

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com	Hawkins NE - Albuqu	小 機構調測	04) BO)	0 Star 0 (SMI (SMI)	0 / 191 / 1908 / 1908 / 1908 / 1909 / 1900 /	6) AOV (08 (08 (08 (08 (08 (08 (08 (08 (08 (08	HM+X3T8 8108 + MT 83108 (Metho 7PH (Metho 6018 (Metho 7,031 (58) (531 808 (58) (5 7,031 (5 82608 (VOA 8250 (VOA 10,037 (5 10,037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5),037 (5)													Remarks:		Charles and Bridd	sub-contracted data will 1
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January 02, 2019

DAVID ADKINS TALON LPE 408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MALCO

Enclosed are the results of analyses for samples received by the laboratory on 12/26/18 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	12/26/2018	Sampling Date:	12/21/2018
Reported: Project Name: Project Number:	01/02/2019 MALCO 701307.116.01 BATTERY	Sampling Type: Sampling Condition: Sample Received By:	Soil Cool & Intact Tamara Oldaker
Project Location:	LIMEROCK - EDDY CO NM		

Sample ID: S - 17 3' (H803786-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 17 4' (H803786-02)

Chloride, SM4500Cl-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 18 1' (H803786-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 23 3' (H803786-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/31/2018	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celleg Dithere

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received: Reported: Project Name: Project Number: Project Location:	12/26/2018 01/02/2019 MALCO 701307.116.01 BATTERY LIMEROCK - EDDY CO NM	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	12/21/2018 Soil Cool & Intact Tamara Oldaker
Project Location:	LIMEROCK - EDDY CO NM		

Sample ID: S - 29 0' (H803786-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 29 1' (H803786-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 30 0' (H803786-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 30 1' (H803786-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					.
Anaiyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 31 0' (H803786-09)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/31/2018	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	12/26/2018	Sampling Date:	12/21/2018
Reported:	01/02/2019	Sampling Type:	Soil
Project Name:	MALCO	Sampling Condition:	Cool & Intact
Project Number:	701307.116.01 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	LIMEROCK - EDDY CO NM		

Sample ID: S - 32 0' (H803786-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/31/2018	ND	416	104	400	0.00	

Sample ID: S - 32 1' (H803786-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/31/2018	ND	416	104	400	3.92	

Sample ID: S - 33 0' (H803786-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2018	ND	416	104	400	3,92	

Sample ID: S - 33 1' (H803786-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/31/2018	ND	416	104	400	3.92	

Sample ID: S - 34 0' (H803786-14)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2018	ND	416	104	400	3.92	

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Celez Di Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:12/26/2018Reported:01/02/2019Project Name:MALCOProject Number:701307.116.01 BATTERYProject Location:LIMEROCK - EDDY CO NM	Sampling Type: Sampling Condition: Sample Received By:	Soil Cool & Intact Tamara Oldaker
--	--	---

Sample ID: S - 34 1' (H803786-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/31/2018	ND	416	104	400	3.92	

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Celeg to Kerne

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celleg Di Kune

Celey D. Keene, Lab Director/Quality Manager

		Pres Pres Pres	497 Fres	4.42	- Bus - Other:	Sampler - UPS
		Condition CHECKED BY: Intact (Initials)	Sample Cool		Delivered By: (Circle One)	Delivered By
				Time:		
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yes □ No AddiFnorre#: Yes □ No AddiFax #	Fax Result:	in Maller	Received by:	12-26-18		
	rrad by client, its subsidiaries, lated reasons or otherwise.	ervice. In no event shall Catelina be lable for locklenbil or concequental damages, including without limitation, business interruptions, loss of use, or loss of profits insured by eller), its subsidiaries millate or successors anishing out of or related to the performance of services hereunder by Catelinal, regardless of whether such claim is based usen any of the above stated respons or otherwise.	ding without limitation, business int vy Cardinal, regardless of whether	l or consequental damages, inclu formance of services hereunder t	Cardinal be liable for locidento sing out of or related to the per	service. In no event shall affiliates or successors ari
	sount paid by the client for the applicable	PLEASE NOTE: Liability and Damages. Continuity and client's exclusive remedy for any salam arising whether based in contrast er fort, shall be limited to the annuent paid by the client for the analyses. All claims including these for mediaence and any other course whatever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the applicable	or any claim arising whether based be deemed walved unless made it	ity and client's exclusive remedy f any other cause wholsoever shall	and Damages. Cardinal's liable find those for neoligence and a	PLEASE NOTE: Liability
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		DIL SLUDGE DTHER : ACID/BASE: CE / COOL DTHER :	G)RAB OR (C)OM CONTAINERS GROUNDWATER WASTEWATER SOIL	Sample I.D.	Samp	Lab I.D.
		MATRIX PRESERV. SA	_			FOR LAB USE ONLY
		Fax #:		B. ADKWS		Sampler Name:
		Phone #:	2 22	dy co	n: Ed	Project Location:
		State: Zip:	^	Batter	MALCO	Project Name:
-	25	ch city:	er: Uwe Rock	Project Owner:	701307,116	Project #: 7
		Address:		Fax 挑	575-441.4935	Phone #: 57
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	23	Company: TIMUN	Avre	ST AD-L C	408 5	Address:
		P.O. #:		SMM2		Project Manager:
ANALYSIS REQUEST				39410	e: Tarlov	Company Name:
			8240 176	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	101 East Marla (575) 393-2326	
USIODY AND ANALYSIS REQUESI	CHAIN-OF-CUS					

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Page 7 of 8

Laboratories

City: PLEASE NOTE: Liability and Damoges. Cardinal's liability and client's exclusive remedy for any slaim arising whether based in contract or tant, shall be limited to the amount pold by the client for the analyses. All claims including those for negligence and any other cause whaterever shall be deemed valved unless made in writing and recolved by Cardinal within 30 days after completion of the applicable survice. In no event shall Cardinal be liable for indidential or caractranal damages, including without limitation, business interruptions, loss of use, or loss of portis incurred by client, its subsidiarize, survice. In no event shall Cardinal be liable for indidential or caractranal damages, including without irritation, business interruptions, loss of use, or loss of portis incurred by client, its subsidiarize, Sampler Name: Project Location: Project Name: Phone 辨: Address: Project Manager: Company Name: Relinguished By: H803786 Project #: Sampler - UPS - Bus - Other: Relinguished By: FOR LAB USE ONLY Delivered By: (Circle One) Lab I.D. 575. 441. 4835 Fax # 701307.116.01 Ar tesua NAU 408 (575) 393-2326 FAX (575) 393-2476 5-33 5-32 h 8-33 out of or related to the perio Mari -34 1-33 TALON DIADIENS Sample I.D W. Texes RADY င်္ပ Ņ A Ģ ADEWS Bafferry Q 0 12/26/18 TIME 2:01 Project Owner: 4.4 c LPG Date: 12-26-1 ¢ Time: State: NW Zip: ک کر \propto AZie 999999 (G)RAB OR (C)OMP. Received By: Received By もな hime Ruck # CONTAINERS GROUNDWATER Sample Condition Cool Intact PYes PYes No No WASTEWATER 1401 MATRIX SOIL 5 $\left\{ \right.$ er such claim OIL SLUDGE State: city: Attn: P.O. 供 OTHER : Fax #: Phone #: Address: Company: ACID/BASE: てんたいたん 6 CHECKED BY: (Initials) ICE/COOL BILL TO OTHER : TAGO Nip 12/21 12/21 12/21 12/21 10/2 DATE SAMPLING Phone Result: Fax Result: REMARKS: 310 218 250 246 TIME 257 Chlorides D Yes U D N N ANALYSIS REQUEST Add'l Fax #: Add'I Phone #:

Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Laboratories

Page 8 of 8

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

January 23, 2019

David Adkins Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX

RE: Malco Battery

OrderNo.: 1901702

Dear David Adkins:

Hall Environmental Analysis Laboratory received 28 sample(s) on 1/17/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analy	ysis Laboratory, I	nc.	Lab Order 1901702 Date Reported: 1/23/201					
CLIENT: Talon Artesia			t Sample II					
Project:Malco BatteryLab ID:1901702-001	Matrix: SOIL				ction Date: 1/15/2019 10:00:00 AM sived Date: 1/17/2019 8:50:00 AM			
Analyses	Result	PQL Q	ıal Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS Chloride	130	30	mg/Kg	20		vst: MRA PM 42696		

Analytical Report

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
C C	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 33
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	POL	Practical Quanitative Limit	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.	Lab Order 1901702 Date Reported: 1/23/2019				
CLIENT: Talon Artesia		Clie	ent Sample II			T	
Project:Malco BatteryLab ID:1901702-002	Matrix: SOIL	Collection Date: 1/15/2019 10:00:00 AM Received Date: 1/17/2019 8:50:00 AM				1	
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS Chloride	71	30	mg/Kg	20		st: MRA // 42696	

Analytical Report

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 33
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Anal	ysis Laboratory, I	ry, Inc. Lab Order 1901702 Date Reported: 1/23/201					
CLIENT: Talon Artesia Project: Malco Battery Lab ID: 1901702-003	Matrix: SOIL	Colle		e: 1/1	1 6' 5/2019 10:00:00 AN 7/2019 8:50:00 AM		
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS Chloride	45	30	mg/Kg	20		vst: MRA M 42696	

preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in t
-	D	Sample Diluted Due to Matrix	E	Value above quantit
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected bel
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In R
	PQL	Practical Quanitative Limit	RL	Reporting Detection
	S	% Recovery outside of range due to dilution or matrix	W	Sample container ter

.

- the associated Method Blank
- itation range
- elow quantitation limits Page 3 of 33

Analytical Report

- Range
- on Limit
- emperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, l	nc.	200		Analytical Report Lab Order 1901702 Date Reported: 1/23/2	.019
CLIENT: Talon Artesia		Client	Sample II): B-1	1 8'	
Project: Malco Battery		Coll	ection Date	e: 1/1	5/2019 10:00:00 AN	1
Lab ID: 1901702-004	Matrix: SOIL	Ree	ceived Date	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	ND	30	mg/Kg	20	1/18/2019 1:45:09 PN	42696

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 3
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.		0	Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia Project: Malco Battery			Sample II ction Dat		1 10' 5/2019 10:00:00 AM	[
Lab ID: 1901702-005	Matrix: SOIL	Received Date: 1/17/2019 8:50:00 AM				
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	20		st: MRA 42696

Keter to the QC Summary report and sample roght enceknes for hugged QC and and pro-

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyt
	D	Sample Diluted Due to Matrix	E	Value
	Н	Holding times for preparation or analysis exceeded	J	Analyt
	ND	Not Detected at the Reporting Limit	Р	Sample
	PQL	Practical Quanitative Limit	RL	Report
	S	% Recovery outside of range due to dilution or matrix	W	Sample

- Analyte detected in the associated Method Blank
- E Value above quantitation range

1

J Analyte detected below quantitation limits Page 5 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.					Date Reported: 1/23/20	19
CLIENT: Talon Artesia	,	Cli	ient Sample II): B-2	2 3'	
Project: Malco Battery		C	Collection Date	e: 1/1	5/2019 11:00:00 AM	
Lab ID: 1901702-006	Matrix: SOIL Received Date: 1/17/2019 8:50:00 AM					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: smb
Chloride	290	30	mg/Kg	20	1/21/2019 1:43:59 PM	42718
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: Irm
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/21/2019 11:38:54 AM	42699
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/21/2019 11:38:54 AM	1 42699
Surr: DNOP	103	50.6-138	%Rec	1	1/21/2019 11:38:54 AM	42699
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	1/18/2019 11:59:23 PM	42679
Surr: BFB	96.1	73.8-119	%Rec	1	1/18/2019 11:59:23 PM	42679

Analytical Report Lab Order 1901702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 33
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order 1901702 Date Reported: 1/23/201	9			
CLIENT: Talon Artesia Project: Malco Battery	t: Malco Battery				Client Sample ID: B-2 5' Collection Date: 1/15/2019 11:00:00 AM Received Date: 1/17/2019 8:50:00 AM				
Lab ID: 1901702-007 Analyses	Result	-			Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	smb			
Chloride	150	30	mg/Kg	20	1/21/2019 1:56:24 PM	42718			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	Irm			
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/21/2019 12:00:53 PM	42699			
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/21/2019 12:00:53 PM	42699			
Surr: DNOP	106	50.6-138	%Rec	1	1/21/2019 12:00:53 PM	42699			
EPA METHOD 8015D: GASOLINE RANG	Ξ				Analyst:	NSB			
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	1/19/2019 12:21:57 AM	42679			
Surr: BFB	94.5	73.8-119	%Rec	1	1/19/2019 12:21:57 AM	42679			

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 33 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analy	sis Laboratory,	Inc.	20040-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-		Date Reported: 1/23/20	19
CLIENT: Talon Artesia		Client Sample ID: B-2 10'				
Project: Malco Battery		(Collection Date	e: 1/1	5/2019 11:00:00 AM	
Lab ID: 1901702-008	Matrix: SOIL	Matrix: SOIL Received Date: 1/17/2019 8:50:00 AM				
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: smb
Chloride	ND	30	mg/Kg	20	1/21/2019 2:08:48 PM	42718
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: Irm
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	1/21/2019 12:23:05 PM	42699
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/21/2019 12:23:05 PM	42699
Surr: DNOP	97.9	50.6-138	%Rec	1	1/21/2019 12:23:05 PN	1 42699
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/19/2019 12:44:28 AN	42679
Surr: BFB	93.9	73.8-119	%Rec	1	1/19/2019 12:44:28 AM	42679

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range E
 - Analyte detected below quantitation limits Page 8 of 33 J
 - Р Sample pH Not In Range
- **Reporting Detection Limit** RL
- Sample container temperature is out of limit as specified W

Hall Environmental Analysis Laboratory Inc

Analytical Report Lab Order 1901702

Date Reported: 1/23/2010

Hall Environmental Analy	nc.	Lab Order 1901702 Date Reported: 1/23/2019				
CLIENT: Talon Artesia Project: Malco Battery Lab ID: 1901702-009	Client Sample ID: B-3 3' Collection Date: 1/15/2019 12:00:00 F Matrix: SOIL Received Date: 1/17/2019 8:50:00 A					
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS Chloride	5700	300	mg/Kg	Analy 200 1/21/2019 7:56:18 Pl	/st: smb M 42696	

Qualifiers: *

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 9 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ıc.	Lab Order 1901702 Date Reported: 1/23/2019					
CLIENT: Talon Artesia		Client	Sample II	D: B-	3 5'		
Project: Malco Battery	Collection Date: 1/15/2019 12:00:00 PM						
Lab ID: 1901702-010	Matrix: SOIL	Received Date: 1/17/2019 8:50:00 AM					
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	st: MRA	
Chloride	210	30	mg/Kg	20	1/18/2019 2:47:12 PM	42696	

Analytical Report

Refe	r to th	e QC Summary report and sample login checkli	st for flagg	ed QC data and preservation information.
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 10 of 33
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	2019	
CLIENT: Talon Artesia Project: Malco Battery			Sample II ction Dat		3 7' 5/2019 12:00:00 PN	1	
Lab ID: 1901702-011	Matrix: SOIL Received Date: 1/17/2019 8:50:				7/2019 8:50:00 AM	00 AM	
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS Chloride	200	30	mg/Kg	20		vst: MRA M 42696	

Analytical Report

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 11 of 33
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analy	nc.	Lab Order 1901702 C. Date Reported: 1/23/2019						
CLIENT: Talon Artesia Project: Malco Battery	Client Sample ID: B-3 10' Collection Date: 1/15/2019 12:00:00 PM							
Lab ID: 1901702-012	Matrix: SOIL	Received Dat	e: 1/1	7/2019 8:50:00 AM	[
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS Chloride	51	30	mg/Kg	20	Analy 1/18/2019 3:36:51 Pl	yst: MRA M 42696		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 12 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia		Client Sa	mple II	D: B	4 3'	
Project: Malco Battery	Collection Date: 1/15/2019 1:00:00 PM					
Lab ID: 1901702-013	Matrix: SOIL	Receiv	ved Dat	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: MRA
Chloride	110	30	mg/Kg	20	1/18/2019 3:49:15 PN	42696

Keier to the QC Summary report and sample regimencement for magged QC and and prose another second s

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 13 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ic.	Lab Order 1901702 Date Reported: 1/23/2019						
CLIENT: Talon Artesia		Clien	t Sample II	D: B-4	4 5'			
Project: Malco Battery	Collection Date: 1/15/2019 1:00:00 PM							
Lab ID: 1901702-014	Matrix: SOIL Received Date: 1/17/2019 8:50:00 J					۱M		
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analy	st: MRA		
Chloride	55	30	mg/Kg	20	1/18/2019 4:01:40 PM	42696		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits page 14 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia			Sample II			
Project:Malco BatteryLab ID:1901702-015	Collection Date: 1/15/2019 1:00:00 PM Matrix: SOIL Received Date: 1/17/2019 8:50:00 AM					
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	20		st: MRA / 42696

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 15 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	nc.			Lab Order 1901702 Date Reported: 1/23/2	019			
CLIENT: Talon Artesia Project: Malco Battery	Client Sample ID: B-4 10' Collection Date: 1/15/2019 1:00:00 PM							
Lab ID: 1901702-016 Analyses	Matrix: SOIL Received Date: 1/17/20 Result PQL Qual Units DF Date					Batch		
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	20	Analy 1/18/2019 4:26:29 PM	st: MRA 1 42696		

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 16 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	2019
CLIENT: Talon Artesia		Client	t Sample II	D: B-	5 3'	
Project: Malco Battery	Collection Date: 1/15/2019 2:00:00 PM					
Lab ID: 1901702-017	Matrix: SOIL	Re	ceived Dat	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	38	30	mg/Kg	20	1/18/2019 4:38:54 PN	A 42696

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 17 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.	services (n = 1 + 4a)		Lab Order 1901702 Date Reported: 1/23/2	2019	
CLIENT: Talon Artesia		Clier	nt Sample II): B-	5 5'		
Project: Malco Battery	Collection Date: 1/15/2019 2:00:00 PM						
Lab ID: 1901702-018	Matrix: SOIL	R	eceived Dat	e: 1/1	7/2019 8:50:00 AM	AM	
Analyses	Result	PQL Q	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: MRA	
Chloride	49	30	mg/Kg	20	1/18/2019 6:30:34 PM	A 42701	

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 18 of 33
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	2019	
CLIENT: Talon Artesia		Clie	ent Sample II): B-	5 7'		
Project: Malco Battery		С	ollection Dat	e: 1/1	5/2019 2:00:00 PM		
Lab ID: 1901702-019	Matrix: SOIL Receiv			eived Date: 1/17/2019 8:50:00 AM			
Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analy	st: MRA	
Chloride	30	30	mg/Kg	20	1/18/2019 6:42:58 PN	A 42701	

Analytical Report

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	Е	Value above quantitation range
Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 19 of 33
ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
s	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified
	D H ND	 D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit 	DSample Diluted Due to MatrixEHHolding times for preparation or analysis exceededJNDNot Detected at the Reporting LimitPPQLPractical Quanitative LimitRL

Hall Environmental Analy	ysis Laboratory, I	nc.		11-2200-1-21-2	Date Reported: 1/23/20)19
CLIENT: Talon Artesia		Clien	t Sample II	D:B-	5 10'	
Project: Malco Battery		Col	lection Dat	e: 1/1	5/2019 2:00:00 PM	
Lab ID: 1901702-020	Matrix: SOIL	Re	ceived Dat	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	1/18/2019 6:55:23 PM	42701

Analyte detected in the associated Method Blank в Qualifiers: * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix Е Value above quantitation range

- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected below quantitation limit Page 20 of 33 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1901702

Hall Environmental Anal	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia		Clien	t Sample II	D:B-(6 3'	
Project: Malco Battery		Coll	lection Dat	e: 1/1	5/2019 3:00:00 PM	
Lab ID: 1901702-021	Matrix: SOIL	Re	ceived Dat	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	470	30	mg/Kg	20	1/18/2019 7:07:48 PM	42701

Qualifiers: * Value exceeds Maximum Contaminant Level.

- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 21 of 33 J

- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	usis Laboratory I	no			Lab Order 1901702	
Hall Environmental Analy		ПС.			Date Reported: 1/23/2	2019
CLIENT: Talon Artesia		Client	Sample II	D: B-	6 5'	
Project: Malco Battery		Colle	ection Dat	e: 1/1	5/2019 3:00:00 PM	
Lab ID: 1901702-022	Matrix: SOIL	Rec	eived Dat	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	vst: smb
Chloride	1300	75	mg/Kg	50	1/21/2019 8:08:43 PM	vi 42701

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 22 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, In	ıc.		•	Lab Order 1901702 Date Reported: 1/23/2	2019
CLIENT: Talon Artesia		Client	Sample I	D:B-	6 7'	
Project: Malco Battery		Colle	ection Dat	e: 1/1	5/2019 3:00:00 PM	
Lab ID: 1901702-023	Matrix: SOIL	Rec	ceived Dat	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	290	30	mg/Kg	20	1/18/2019 7:32:37 PM	/ 42701

В Qualifiers: * Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D Е Holding times for preparation or analysis exceeded J Η

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 23 of 33

- Р Sample pH Not In Range
- RL **Reporting Detection Limit**
- Sample container temperature is out of limit as specified W

Hall Environmental Analy	ysis Laboratory, II	nc.			Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia Project: Malco Battery	Metric COII	Coll		e: 1/1	5 10' 5/2019 3:00:00 PM 7/2019 8:50:00 AM	
Lab ID: 1901702-024 Analyses	Matrix: SOIL Result				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	ND	30	mg/Kg	20	Analy 1/18/2019 8:34:40 PM	st: MRA / 42701

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 24 of 33

Analytical Report

. . .

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia		Clie	nt Sample II): B-'	7 3'	
Project: Malco Battery		Co	llection Date	e: 1/1	5/2019 4:00:00 PM	
Lab ID: 1901702-025	Matrix: SOIL	R	Received Date	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: MRA
Chloride	74	30	mg/Kg	20	1/18/2019 8:47:05 PM	42701

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limit Page 25 of 33 J

Analytical Report

- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy	ysis Laboratory, Ir	ıc.			Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia		Clien	t Sample II): B-'	7 5'	
Project: Malco Battery		Col	lection Dat	e: 1/1	5/2019 4:00:00 PM	
Lab ID: 1901702-026	Matrix: SOIL	Re	eceived Dat	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	ND	30	mg/Kg	20	1/18/2019 8:59:29 PM	1 42701

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 26 of 33 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analy	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	019
CLIENT: Talon Artesia		Client San	nple II): B-′	7 7'	
Project: Malco Battery		Collectio	on Date	e: 1/1	5/2019 4:00:00 PM	
Lab ID: 1901702-027	Matrix: SOIL	Receive	ed Date	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Qual U	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	st: MRA
Chloride	39	30 1	mg/Kg	20	1/18/2019 9:11:53 PM	42701

Qualifiers: * Value exceeds Maximum Contaminant Level.

- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limit Page 27 of 33 J

- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Anal	ysis Laboratory, I	nc.			Lab Order 1901702 Date Reported: 1/23/2	2019
CLIENT: Talon Artesia		Client Sa	mple II	D: B-	7 10'	
Project: Malco Battery		Collecti	ion Dat	e: 1/1	5/2019 4:00:00 PM	
Lab ID: 1901702-028	Matrix: SOIL	Receiv	ed Date	e: 1/1	7/2019 8:50:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	35	30	mg/Kg	20	1/18/2019 9:24:18 PM	M 42701

Refe	er to th	e QC Summary report and sample login checklist	t for flagg	ged QC data and preservation information.
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 28 of
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

.

% Recovery outside of range due to dilution or matrix 2

f 33

Analytical Report

W Sample container temperature is out of limit as specified

Client: Talon Artesia **Project:** Malco Battery

Sample ID MB-42696	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 42696	RunNo: 57105		
Prep Date: 1/18/2019	Analysis Date: 1/18/2019	SeqNo: 1910647	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-42696	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 42696	RunNo: 57105		
Prep Date: 1/18/2019	Analysis Date: 1/18/2019	SeqNo: 1910648	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 93.6 90	110	
Sample ID 1901702-005AMS	SD SampType: MSD	TestCode: EPA Method	300.0: Anions	
Client ID: B-1 10'	Batch ID: 42696	RunNo: 57105		
Prep Date: 1/18/2019	Analysis Date: 1/18/2019	SeqNo: 1910665	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 30 15.00	0 0 60.8	141 0	20 S
Sample ID MB-42701				
Composition Inter-Trivi	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 42701	TestCode: EPA Method RunNo: 57105	300.0: Anions	
•			Units: mg/Kg	
Client ID: PBS	Batch ID: 42701 Analysis Date: 1/18/2019	RunNo: 57105		RPDLimit Qual
Client ID: PBS Prep Date: 1/18/2019	Batch ID: 42701 Analysis Date: 1/18/2019	RunNo: 57105 SeqNo: 1910677	Units: mg/Kg	RPDLimit Qual
Client ID: PBS Prep Date: 1/18/2019 Analyte	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value	RunNo: 57105 SeqNo: 1910677	Units: mg/Kg HighLimit %RPD	RPDLimit Qual
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit	Units: mg/Kg HighLimit %RPD	RPDLimit Qual
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride Sample ID LCS-42701	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5 SampType: LCS	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit TestCode: EPA Method	Units: mg/Kg HighLimit %RPD	RPDLimit Qual
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride Sample ID LCS-42701 Client ID: LCSS	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 42701 Analysis Date: 1/18/2019	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 57105	Units: mg/Kg HighLimit %RPD 300.0: Anions	RPDLimit Qual
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride Sample ID LCS-42701 Client ID: LCSS Prep Date: 1/18/2019	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 42701 Analysis Date: 1/18/2019	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 57105 SeqNo: 1910678	Units: mg/Kg HighLimit %RPD 300.0: Anions Units: mg/Kg	
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride Sample ID LCS-42701 Client ID: LCSS Prep Date: 1/18/2019 Analyte	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 57105 SeqNo: 1910678 SPK Ref Val %REC LowLimit	Units: mg/Kg HighLimit %RPD 300.0: Anions Units: mg/Kg HighLimit %RPD 110	
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride Sample ID LCS-42701 Client ID: LCSS Prep Date: 1/18/2019 Analyte Chloride	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value 14 1.5 15.00	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 57105 SeqNo: 1910678 SPK Ref Val %REC LowLimit 0 94.7 90	Units: mg/Kg HighLimit %RPD 300.0: Anions Units: mg/Kg HighLimit %RPD 110	
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride Sample ID LCS-42701 Client ID: LCSS Prep Date: 1/18/2019 Analyte Chloride Sample ID MB-42718	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit TestCode: EVA Method RunNo: 57105 SeqNo: 1910678 SPK Ref Val %REC LowLimit SPK Ref Val %REC LowLimit 0 94.7 90 TestCode: EVA Method	Units: mg/Kg HighLimit %RPD 300.0: Anions Units: mg/Kg HighLimit %RPD 110	
Client ID: PBS Prep Date: 1/18/2019 Analyte Chloride Sample ID LCS-42701 Client ID: LCSS Prep Date: 1/18/2019 Analyte Chloride Sample ID MB-42718 Client ID: PBS	Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 42701 Analysis Date: 1/18/2019 Result PQL SPK value 14 1.5 15.00 SampType: MBLK Batch ID: 42718 Analysis Date: 1/21/2019	RunNo: 57105 SeqNo: 1910677 SPK Ref Val %REC LowLimit TestCode: FT05 SeqNo: 1910678 SPK Ref Val %REC LowLimit SPK Ref Val %REC LowLimit 0 94.7 90 TestCode: EF Method RunNo: SPK Ref Val %REC LowLimit 0 94.7 90	Units: mg/Kg HighLimit %RPD 300.0: Anions Units: mg/Kg HighLimit %RPD 110 300.0: Anions	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 23-Jan-19

1901702

Client:Talon ArtesiaProject:Malco Battery

Sample ID LCS-42718	SampT	ype: LC	S	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LCSS	Batch	1D: 42	718	F	lunNo: 5	7159				
Prep Date: 1/21/2019	Analysis D	ate: 1/	21/2019	5	eqNo: 1	911922	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14 1.5 15.00		0	96.3	90	110				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1901702 23-Jan-19

Client: Talon Artesia Project: Malco Battery

Sample ID LCS-42699 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 42699 RunNo: 57128 Prep Date: 1/18/2019 Analysis Date: 1/21/2019 SeqNo: 1911175 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 52 10 50.00 0 105 63.9 124 Surr: DNOP 4.6 5.000 92.6 50.6 138 Sample ID MB-42699 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 42699 RunNo: 57128 Prep Date: 1/18/2019 Analysis Date: 1/21/2019 SeqNo: 1911176 Units: mg/Kg Analyte SPK value SPK Ref Val %REC LowLimit Result PQL HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 11 10.00 108 50.6 138 Sample ID 1901702-006AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: B-2 3' Batch ID: 42699 RunNo: 57128 Prep Date: 1/18/2019 Analysis Date: 1/21/2019 SeqNo: 1911289 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC HighLimit LowLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 57 9.3 46.64 2.802 116 53.5 126 Surr: DNOP 4.8 4.664 102 50.6 138 Sample ID 1901702-006AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: B-2 3' Batch ID: 42699 RunNo: 57128 Prep Date: 1/18/2019 Analysis Date: 1/21/2019 SeqNo: 1911290 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Diesel Range Organics (DRO) 54 9.6 48.12 2.802 106 53.5 126 5.17 21.7 Surr: DNOP 4.6 4.812 96.2 50.6 138 0 0 Sample ID MB-42722 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 42722 RunNo: 57155 Prep Date: 1/21/2019 Analysis Date: 1/22/2019 SeqNo: 1912133 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 10 10.00 101 50.6 138 Sample ID LCS-42722 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS Client ID: LCSS Batch ID: 42722 RunNo: 57155 Prep Date: 1/21/2019 Analysis Date: 1/22/2019 SeqNo: 1912134 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 31 of 33

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

23-Jan-19

Client:Talon ArtesiaProject:Malco Battery

x

Sample ID LCS-42722	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 42	722	٦	RunNo: 5	7155				
Prep Date: 1/21/2019	Analysis D	ate: 1/	/22/2019	5	SeqNo: 1	912134	Units: %Re	6		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		96.4	50.6	138			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: **1901702**

23-Jan-19

Client:Talon ArtesiaProject:Malco Battery

		······································											
Sample ID MB-42661	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range										
Client ID: PBS	Batch ID: 42661	RunNo: 57116											
Prep Date: 1/17/2019	Analysis Date: 1/18/2019	SeqNo: 1910462	Units: %Rec										
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual										
Surr: BFB	950 1000	95.2 73.8	119										
Sample ID LCS-42661	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range											
Client ID: LCSS	Batch ID: 42661	RunNo: 57116											
Prep Date: 1/17/2019	Analysis Date: 1/18/2019	SeqNo: 1910463	Units: %Rec										
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual										
Surr: BFB	1100 1000	106 73.8	119										
Sample ID MB-42679	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range										
Client ID: PBS	Batch ID: 42679	RunNo: 57116											
Prep Date: 1/17/2019	Analysis Date: 1/18/2019	SeqNo: 1910482	Units: mg/Kg										
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual										
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 940 1000	94.0 73.8	119										
	Comp Type: 1 CC	2015D: Casalina Banga											
Sample ID LCS-42679	SampType: LCS	TestCode: EPA Method	ou rou: Gasonne Kange										
Sample ID LCS-42679 Client ID: LCSS	Batch ID: 42679	RunNo: 57116	ou iou: Gasoline Range										
			Units: mg/Kg										
Client ID: LCSS	Batch ID: 42679 Analysis Date: 1/18/2019	RunNo: 57116	-										
Client ID: LCSS Prep Date: 1/17/2019	Batch ID: 42679 Analysis Date: 1/18/2019	RunNo: 57116 SeqNo: 1910483	Units: mg/Kg										

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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23-Jan-19

HALL ENVIRONMENTAL ANALYSIS LABORATORY	1FL: 505-345-3	ntal Analysis Lubo 1991 Hawki Albuquergue, NM 975 FAX: 565-345 9 halleuvironmenta	^{ms NE} 87109 San 1-4107	nple Log-In Che	ck List
Client Name: TALON ARTESIA	Work Order Num	ber: 1901702		ReptNo: 1	
Received By: Victoria Zellar	1/17/2019 8:50:00	AM	Victoria, Ye		
Completed By: Erin Melendroz Reviewed By: 244 With CON LB: VV2 11110 Chain of Custody	1/17/2019 11:52:32 ひ (ノバイン)【	AM	u,uz	7	
1. Is Chain of Custody complete?		Yes 🔽	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log in					
3. Was an attempt made to cool the sa	amples?	Yes 🔽	No 🛄	NA	
4. Were all samples received at a temp	perature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6, Sufficient sample volume for indicate	xd test(s)?	Yes 🖌	No 🛄		
7. Are samples (except VOA and ONG) property preserved?	Yes 🗹	No 🗔		*
8. Was preservative added to bottles?		Yes 🗌	No 🔽	NA 🗍	
9. VOA vials have zero headspace?		Yes 🗌	No 🛄	No VOA Vials 🖉	7164110
10. Were any sample containers receive	ed broken?	Yes 🗆	No 🗹	₩ of preserved bottles checked	21/17/19
11 Does paperwork match bottle labels (Note discrepancies on chain of cust		Yes 🖌	Nła □	for pH:	unless noted)
12. Are matrices correctly identified on 0	Chain of Custody?	Yes 🔽	No	Adjusted?	
13, is it clear what analyses were reques	xed?	Yes 🗹	No 🗌		
14. Were all holding times able to be me (If no, notify customer for authorization		Yes 🔽	No 🗔	Checked by:	
Special Handling (if applicable	2		d		
15. Was client notified of all discrepance	es with this order?	Yes 🗋	No	NA 🗹	
Person Notified:	Date:	(
By Whom:	Via:	🗌 eMail 🔲 i	Phone 🔲 Fax	In Person	
Regarding:				n 1999 - Anna an Aonaichtean an Aonaichtean an Aonaichtean an Aonaichtean an Aonaichtean an Aonaichtean an Aonai	
Client Instructions:			· · · · · ·	en men men egen av en en en egen af else miner en else egen i nege	
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp ^o C Condil	ion Seal Intact Seat No	Seal Date	Signed By		
1 3.4 Good	Yes				
2 1.0 Good	Yes				

and Time: 5 day flars and 1 mei: 5 day flars and 1 Rush 5 day flars ame: www.hallenvironmental.com -CD & ATTERY 4901 Hawkins NE - Albuquerque, NM 57109 Tel. 505-345-3975 Fax 535-345-4107	2 C S S S S S S S S S S S S S S S S S S	<u>F=-0.(°с.2 (со)и5 в</u> Juking сF=3,4°,10° В Ne неаг No. **			- Dù3		2006- 2		-005				210-	V Dete Time Remarks: 1/k/h COSC D A 2	- - -	2 VIN 10 10 10 10 10 5:50 NPTULL VV7 NDU 9 reacrating aboratorias. This sawks as notice of this possibility. Any sub-contracted date will be clearly notated on the analytical report.
Turn-Around Time: Standard Project Name: MALCO Project #:		Sample Tempera Container -ype and #	610		-	 			,					Received by	Rocalifed by:	AAAA SWA
of-Custody Record	業: da 名上い 50 Jaloul pe. com age: □ Level 4 (Full Validation) n □ Other	Matrix Sample Request ID	1000 5 8-1 3'	1 B-1 4'	8-1 6-	8-1 10'	1100 8-2 3'	8-2 5'		1200 8-3 3'	8-3 5'	3-3 7'	1 3-3 10'	Relinquished by:	Relindúsher sy.	TTPP XIN AND I CONTRACTOR AND
Client: Client: Mailing Address:	email or Fax#: QAVCC Package: X Standard Accreditation D NELAP	Date Date Time	415/14 10		-					2				Dete: Time:		(11.6.11.9.11.4.

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pr							АЯЭЯ	3970239655													
HALL ENVIRON ANALYSIS LAB vvw.hallenvironmental.com kins NE - Albuquerque, NM 5	975		(รพเ) a'HAq													N H	
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ANAL VVVV.hell	505-345-3975						W) Hat													a	
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						2					_									*****************	
me: 5 day Turn			DAVID ADKINS	2	איז	Low Discluding CE = 3.4"	Type AD1702	Cool - 013	r -0lu	-015	- DIW	- 017	- 013	1 1-09	-020	-021	220-	-023	H20-	Date Time	
Turn-Around Time: X Standard D Project Name: MHLCD	Project #: し く め く J	Project Manager:	Den us	Sampler: D. ADLIWS	On Ice: Ali Yes Samole Temperature ¹ F		Container Type and #	61	•	·						2 2.				RECEIVED by	Redeifed by
y Record	01-198	pe. com	l Validation)		and the second se		Sample Request ID	3	ر. م	7'	10,	Ĩ	ñ	7	10'	ĸ	- - -	-	, Q/		
E De	ARTESIA IM	575.441.4835 # dadiens@ talon [pe.com	□ Level 4 (Full Validation)		in conservation of the second s		Sample R	8-4	8-4	B-4	B-4	B-5	β γ	R-S	B-5	8-6	R-6	びして	2,2		Time: Relinguished by: 19 w XIII - 19 w
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HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.natienvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109		Analysis	(0)	5,8 55'' (;	0d 70d GWI	101 10 10 10 10 10 10 10 10 10 10 10 10	04. .50 .50 .50 .50 .50 .00	₩ (0/ (səp 0N' s;e 10 10 9 P + 9 (10)	0158 Method (8310 (4,Ct, (5,Ct, (7,Ct	8 H9T 9 H9T 8 H9T 8 HA9 8 H37 8 H37			7	7					P 3 6f3	611C1/1 CVV 6	This serves as notice of this possibility. Any sub-contracted atla will be clearly noticed on the analytical report.
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Chain-of-Custody Record	Mailing Address: 408 W. TOXAS AVE	APTESIA, AM SB210	Phone # 575, 441. 4835	9	QA/QC Package:	K Standard 🛛 🗆 Level 4 (Full Validation)		L' Uner	D EDD (Type)	Date Matrix Camula Decunet ID		1/15/10/ 1600 5 8-7 3'	1 8-7 5'	8-7 71	1 8-7 10'				Ears Emer Emerication (sheet hu	See NC	140 AP	Troles Salon