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.

PH						
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?						
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?						
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?						
Are the lateral extents of the release within 300 feet of a wetland?						
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?						
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 vert contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	ical extents of soil					
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 ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody						

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

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

regulations all operators are required to report and/or file certain releating public health or the environment. The acceptance of a C-141 report be failed to adequately investigate and remediate contamination that pose	to the best of my knowledge and understand that pursuant to OCD rules and se notifications and perform corrective actions for releases which may endanger y the OCD does not relieve the operator of liability should their operations have a threat to groundwater, surface water, human health or the environment. In ator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Jon E. Fields	Title: Director, Field Environmental
Signature:	Date: _/-Z8-/9
email: jefields@eprod.com	Telephone:
OCD O-le	
OCD Only	
Received by:	Date:

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
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Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	e included in the plan.						
Detailed description of proposed remediation technique							
Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated							
☐ Closure criteria is to Table 1 specifications subject to 19.15.29.	12(C)(4) NMAC						
Proposed schedule for remediation (note if remediation plan tire	neline is more than 90 days OCD approval is required)						
<u>Deferral Requests Only</u> : Each of the following items must be co	nfirmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility						
Extents of contamination must be fully delineated.							
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.						
The share stiff the table in Comments of the state of the							
rules and regulations all operators are required to report and/or file	te to the best of my knowledge and understand that pursuant to OCD certain release notifications and perform corrective actions for releases						
which may endanger public health or the environment. The accepta	ance of a C-141 report by the OCD does not relieve the operator of						
liability should their operations have failed to adequately investigat surface water, human health or the environment. In addition, OCD	acceptance of a C-141 report does not relieve the operator of						
responsibility for compliance with any other federal, state, or local	laws and/or regulations.						
Printed Name: jefields@eprod.com UNE TIERS	Title: Director, Field Environmental						
Printed Name: jefields@eprod.com Jun E. Fields Signature:	Date: 1-28-19						
email: jefields@eprod.com	Telephone: 713-381-6684						
OCD Only							
Received by:	Date:						
Approved	Approval Denied Deferral Approved						
Signature:	Date:						

State of New Mexico Oil Conservation Division

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

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.

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
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, numan 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 estore, 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: Jon E Fields Title: Director, Field Environmental Date: 1-28-19 Telephone: 713-381-6684
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 emediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible arty of compliance with any other federal, state, or local laws and/or regulations.
Closure Approved by: Date:
rinted Name: Title:



Assessment and Remediation Report

Enterprise 1009 Line Strike, RP# 1 RP-5269 Lea County, New Mexico

Prepared For:

Enterprise Field Services, LLC PO Box 4324 Houston, Texas 77210-4324

Prepared By:

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

January 25, 2019

Alena Miro **Enterprise Field Services LLC** PO Box 4324 Houston, Texas 77210-4324

Subject:

Assessment and Remediation Report

Enterprise 1009 Line Strike, RP# 1RP-5269

Lea County, New Mexico

Dear Ms. Miro

Enterprise Field Services, LLC (Enterprise) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, and remediation activities are presented herein.

Site Information

The Enterprise 1009 Line is located approximately fifty-four (54) miles southwest of Hobbs, New Mexico. The legal location for this release is Unit Letter A, Section 2, Township 22 South and Range 23 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.327189 North and -103.640416 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Pyote and Maljamar fine sands with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Upper Permian in age and is comprised of sandy eolian deposits derived from sedimentary rock. Drainage courses in this area are well drained.

Ground Water and Site Ranking

The New Mexico State Engineer Data Base indicates that the average depth to groundwater in the project vicinity to be greater than 100-feet below ground surface (BGS) This is also supported by the Chevron Texaco Groundwater Trend Map. See Appendix II for the referenced groundwater data.

Therefore the ranking for this site is a 0 based on the following:

Depth to ground water >100'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRALs) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 2500 mg/kg for TPH and 20,000 mg/kg Total Chlorides.

Incident Description

On October 28, 2018, the Enterprise 1009 Line was struck by heavy equipment doing unauthorized improvements to the pipeline right of way. As a result, 2437 MSCF of natural gas and 300 BBLs of pipeline fluids was released into the right of way including overspray southward into the pasture. The flow path covered approximately 1,100-feet varying from 3 to 9-feet wide. No fluids were recovered as the liquids rapidly soaked in to the soil. A site map of the impacted area is presented in Appendix I. Photographic documentation is also attached.

Talon mobilized personnel on October 28, 2018, to conduct an initial site assessment of the impacted area. Soil samples were collected utilizing a hand auger to depths of approximately 3-feet BGS. The analytical results of our initial sampling event are presented in the following data table.

11-5-18 Laboratory Report. See Appendix IV for complete report of laboratory results.

	Depth	BTEX	Chlorides	TPH GRO	TPH DRO	TPH EXT
	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S-1	0	< 0.300	32	<10.0	<10.0	<10.0
	1	< 0.300	16	<10.0	<10.0	<10.0
	2	< 0.300	32	<10.0	<10.0	<10.0
	3	< 0.300	16	<10.0	<10.0	<10.0
S-2	0	1.68	320	13.1	61.5	<10.0
	1	< 0.300	32	<10.0	<10.0	<10.0
	2	< 0.300	32	<10.0	<10.0	<10.0
	3	< 0.300	48	<10.0	<10.0	<10.0
S-3	0	260	512	3590	2060	74.3
	1	< 0.300	496	<10.0	<10.0	12.5
	3	< 0.300	64	<10.0	<10.0	<10.0
S-4	0	733	2680	6110	1180	43.6
	1	0.513	48	12.5	27.9	<10.0
	2	< 0.300	48	<10.0	54.9	<10.0
	3	< 0.300	32	<10.0	<10.0	<10.0
S-5	0	3860	432	60900	7760	383
	1	10	640	61.5	127	36.1
	3	9.62	80	131	149	11.7
S-6	0	206	1360	4010	3470	119
	0.5	31.1	944	938	1240	59.3
	1	< 0.300	96	<10.0	23.5	12.3
	2	< 0.300	48	<10.0	<10.0	<10.0
	3	< 0.300	64	<10.0	<10.0	<10.0

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (mg/kg)
S-7	0	0.800	304	10.7	45.7	<10.0
	0.5	0.312	256	<10.0	26.7	<10.0
	1	< 0.300	176	<10.0	<10.0	<10.0
	2	< 0.300	<16.0	<10.0	<10.0	<10.0

The Enterprise 1009 Line was repaired and put back into service on November 8, 2018. Talon subsequently mobilized personnel and equipment to the site to begin excavation and sampling activities on the impacted flow path along the pipeline right of way. The overspray area was to be addressed by the operator responsible for the pipeline strike.

11-29-18 Laboratory Report

Sample	Depth	BTEX	Chlorides	TPH GRO	TPH DRO	TPH EXT
ID	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SP-1	1	< 0.300	16	<10.0	17.3	19.9
	2	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-2	1	< 0.300	32	<10.0	15.3	<10.0
	2	< 0.300	80	<10.0	57.6	<10.0
SP-3	1	< 0.300	<16.0	<10.0	<10.0	<10.0
	2	0.490	<16.0	<10.0	<10.0	<10.0
SP-4	1	180	224	4390	1670	57.8
	2	229	32	3800	1310	62.3
SP-5	1	0.346	32	<10.0	15.6	<10.0
	2	0.802	32	<10.0	<10.0	<10.0
SP-6	1	386	48	5330	1480	65.8
	2	535	48	8620	1800	83.7
SP-7	1	0.495	<16.0	10.1	24.7	19.8
	2	1.32	32	<10.0	<10.0	<10.0
SP-8	1	0.562	144	17	114	21.9
	2	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-9	1	< 0.300	32	<10.0	<10.0	<10.0
	2	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-10	2	0.542	16	10.8	<10.0	<10.0
SP-11	1	295	32	4320	1250	25
SP-12	1	< 0.300	16	<10.0	<10.0	<10.0
	2	0.740	32	13	<10.0	<10.0
SP-17	1	291	336	6610	1580.	41.7
	2	26.6	224	659	348	<10.0
SP-18	1	< 0.300	16	<10.0	<10.0	<10.0
	2	< 0.300	32	<10.0	<10.0	<10.0
SP-19	1	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-20	11	< 0.300	16	<10.0	<10.0	<10.0
	2	< 0.300	<16.0	<10.0	<10.0	<10.0

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (mg/kg)
SP-21	1	< 0.300	<16.0	<10.0	<10.0	<10.0
	2	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-22	2	< 0.300	16	<10.0	<10.0	<10.0
SP-23	1	< 0.300	32	<10.0	<10.0	<10.0
	2	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-24	1	< 0.300	<16.0	<10.0	<10.0	<10.0
	2	< 0.300	16	<10.0	<10.0	<10.0
SP-25	2	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-26	1	< 0.300	32	11.3	<10.0	<10.0

A Geoprobe rig was mobilized to the site on November 29, 2018, to collect vertical delineation soil samples at greater depths. Borings were advanced at the source of the release (B1), along the flow path (B2) and at the pooling area at the end of the flow path (B3). The sampling results are presented on the following data table and the complete laboratory report is attached hereto.

12-11-18 Laboratory Report, Geoprobe Sampling

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (mg/kg)
B1	4	0.941	480	23.3	81.2	<10.0
	6	0.744	240	<10.0	22.9	<10.0
	8	14.7	720	419	421	<10.0
	10	399	560	6310	1660	54.8
	12	356	288	4100	1140	67.4
-	14	293	32	5190	1860	59
	16	1200	160	12300	2430	46
R	18	1.75	48	19.8	16.6	<10.0
B2	4	0.390	208	<10.0	<10.0	<10.0
	6	< 0.300	32	<10.0	<10.0	<10.0
	8	< 0.300	<16.0	<10.0	<10.0	<10.0
	10	< 0.300	32	<10.0	<10.0	<10.0
В3	4	1.65	32	19.7	41.1	<10.0
	6	< 0.300	<16.0	<10.0	<10.0	<10.0
	8	5.26	32	34.9	67.1	<10.0
	10	3.42	64	36.2	77.9	<10.0
	12	< 0.300	32	<10.0	<10.0	<10.0
	14	< 0.300	32	<10.0	<10.0	<10.0

R - Refusal with Geoprobe

1-21-19 Laboratory Report

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (mg/kg)
BG-1	0	< 0.300	<16.0	<10.0	<10.0	<10.0
	1	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-4	5	473	<16.0	5730	992	<10.0
	6	656	16.0	8380	1500	<10.0
SP-6	3	1590	16.0	18100	2590	<10.0
	4	836	16.0	9750	1450	10.8
	5	3.63	16.0	39.8	39.8	<10.0
SP-11	2	< 0.300	16.0	<10.0	<10.0	<10.0
	3	< 0.300	16.0	<10.0	<10.0	<10.0
	4	< 0.300	<16.0	<10.0	<10.0	<10.0
SP-13	3	< 0.300	64	<10.0	<10.0	<10.0
SP-14	3	< 0.300	32	<10.0	<10.0	<10.0
SP-15	3	< 0.300	64	<10.0	<10.0	<10.0
SP-16	3	< 0.300	32	<10.0	<10.0	<10.0

BG - Back Ground Sample

Remedial Actions Completed:

- The flow path was initially excavated to approximately 1-foot deep and the area sampled. Sample locations are shown on the attached Site Plan.
- The impacted area of the flow path from the southwest was excavated to a depth of approximately 2.5-feet BGS extending to the source of the release. This area was backfilled with caliche and machine compacted to facilitate access of heavy equipment to the remaining work areas.
- The impacted area in the vicinity of the source was excavated to approximately 4-feet deep and as close as possible to the Enterprise 1009 Line due to safety concerns.
- The excavation continues from the source area to the northeast along the release flow path at a depth of approximately 2.5-feet deep.
- The impacted soils at the northeast termination point of the flow path (the pooling area previously bermed) has been excavated to a depth of approximately 3-feet BGS.
- All of the impacted material was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.

Proposed Closure Activities:

- A 20-mil liner will be installed in the source area excavation and in the pooling area at a depth of 4-feet BGS. The liner will be keyed in at the edges to prevent potential future movement. This will be done to encapsulate the remaining impacted soil at depth. A one foot layer of topsoil or sand will be placed over the liner to prevent damage and the remaining excavation will be backfilled to grade with locally obtained caliche.
- The remaining open excavated areas of the flow path will be backfilled with locally obtained caliche.

If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted,

Talon/LPE

Chris Jones Project Manager David J. Adkins District Manager

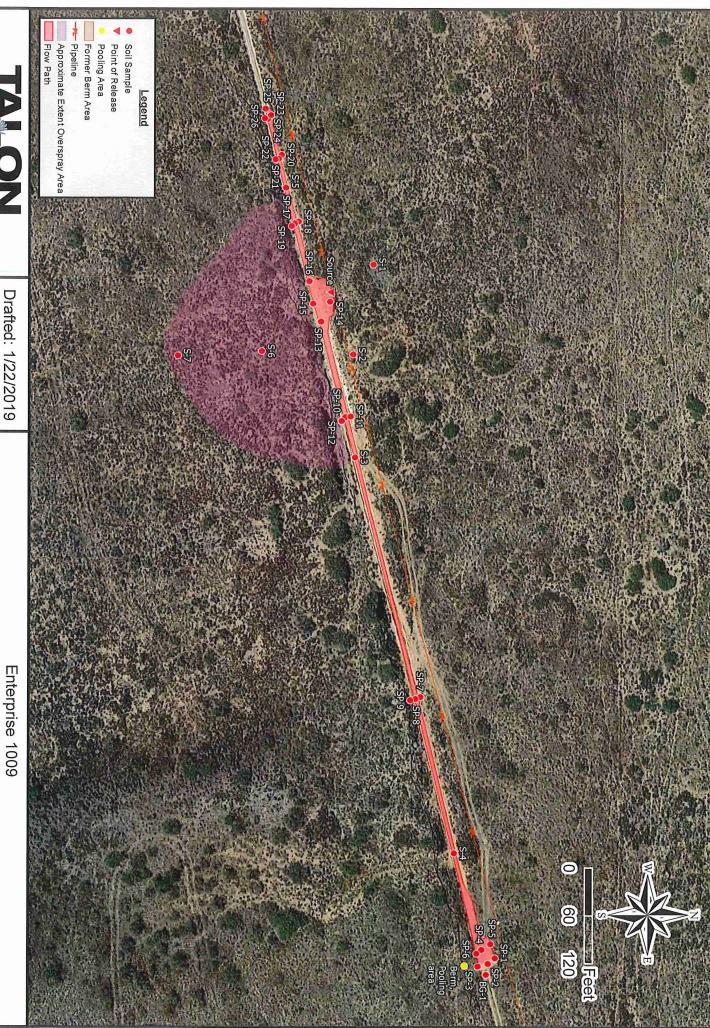
Attachments:

Appendix I Site Plan

Appendix II Groundwater Data, Soil Survey Appendix III Photographic Documentation

Appendix IV Laboratory Reports

APPENDIX I SITE PLAN





Drafted: 1/22/2019

Drafted By: IJM 1 in = 120 ft

Enterprise Pipeline Artesia, New Mexico Figure 1 - Site Plan

APPENDIX II GROUNDWATER DATA SOIL SURVEY



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

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD

Sub-QQQ

LE

X

Water DistanceDepthWellDepthWater Column

POD Number CP 01701 POD1

Code basin County 6416 4 Sec Tws Rng 1 3 35 21S 32E

626652 3589283

1197 840

Average Depth to Water:

560 feet

Minimum Depth:

560 feet

Maximum Depth:

560 feet

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 627552

Northing (Y): 3588493

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/27/19 5:40 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

		POD													
		Sub-		Q	Q	Q								V	Vater
POD Number	Code	basin	County	64	116	4	Sec	Tws	Rng	Х	Υ	DistanceDep	thWellDep	thWater Co	olumn
CP 01701 POD1		CP	LE		1	3	35	218	32E	626652	3589283 🌇	1197	840	560	280
C 02821		С	LE	2	2	3	14	228	32E	627303	3584563* 🥘	3937	540	340	200
C 02096		CUB	ED		2	3	14	228	32E	627204	3584464*	4044	435	360	75
C 03717 POD1		С	LE	4	4	1	09	228	32E	624094	3586365 🌇	4060	650		

Average Depth to Water:

420 feet

Minimum Depth:

340 feet

Maximum Depth:

560 feet

Record Count:4

UTMNAD83 Radius Search (in meters):

Easting (X): 627552

Northing (Y): 3588493

Radius: 5000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/27/19 5:40 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

^{*}UTM location was derived from PLSS - see Help

Lea County, New Mexico

PU—Pyote and maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Maljamar and similar soils: 45 percent Pyote and similar soils: 45 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Maljamar

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary

rock

Typical profile

A - 0 to 24 inches: fine sand

Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Natural drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very

low to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

Gypsum, maximum in profile: 1 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0

to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 2.0

Available water storage in profile: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: Loamy Sand (R042XC003NM)

Hydric soil rating: No

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary

rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High

(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

Gypsum, maximum in profile: 1 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0

to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 2.0

Available water storage in profile: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: Loamy Sand (R042XC003NM)

Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent

Ecological site: Sandhills (R042XC022NM)

Hydric soil rating: No

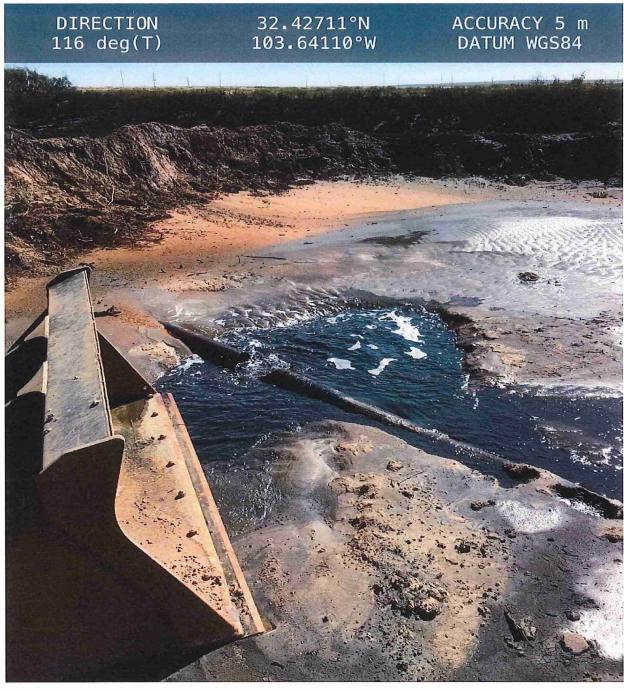
Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 15, Sep 12, 2018

APPENDIX III PHOTOGRAPHS

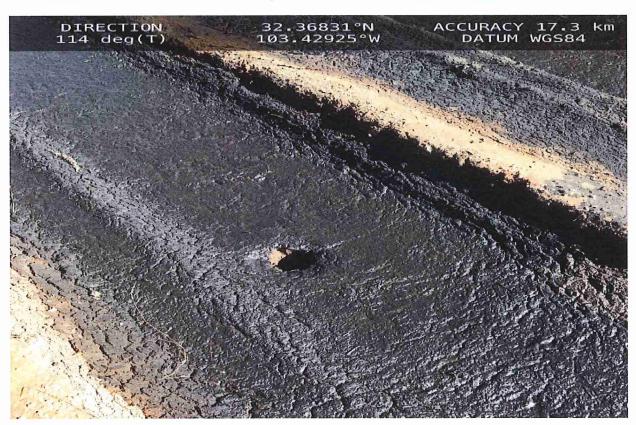
Initial Release Photos

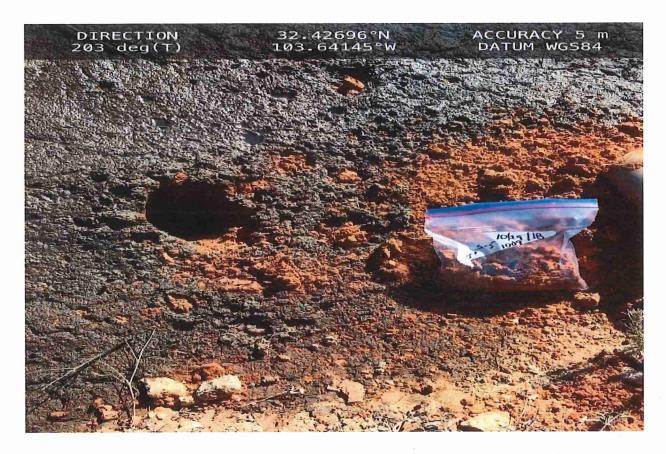
Source



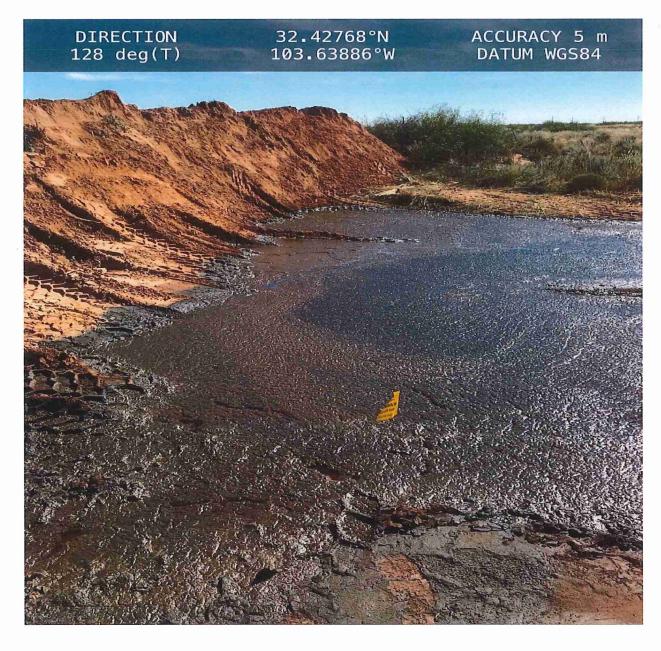
Example Flow Path











Remediation Photos

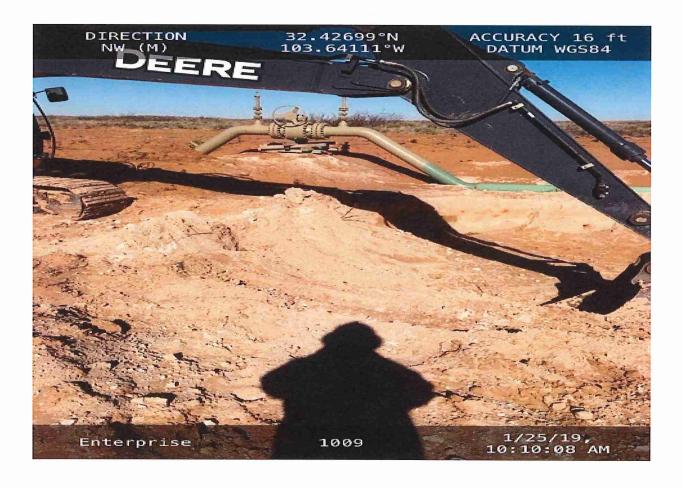
Excavation Pooling Area



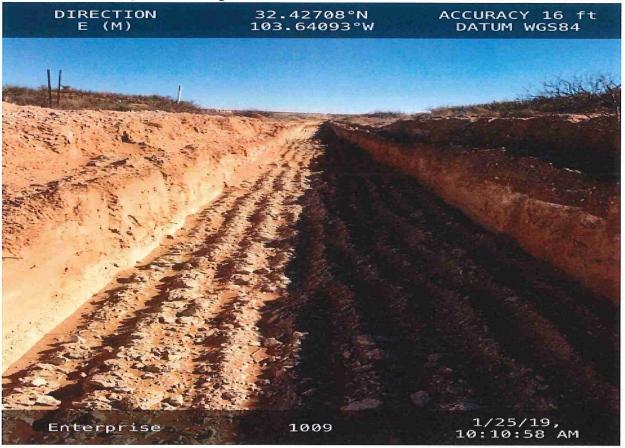
Excavation Source Area



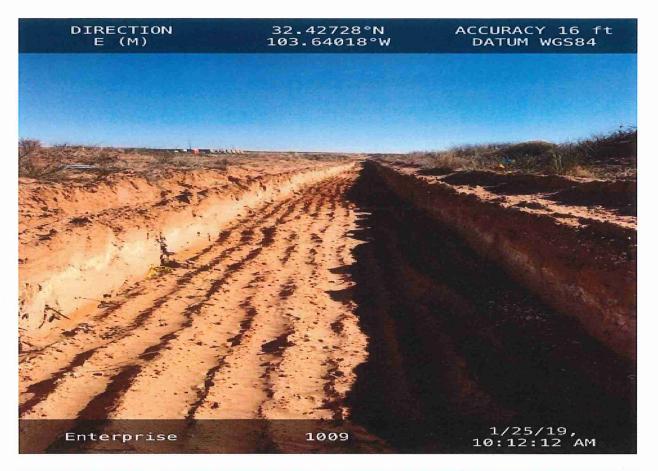




Excavation Flow Paths, Note Benching Side Walls

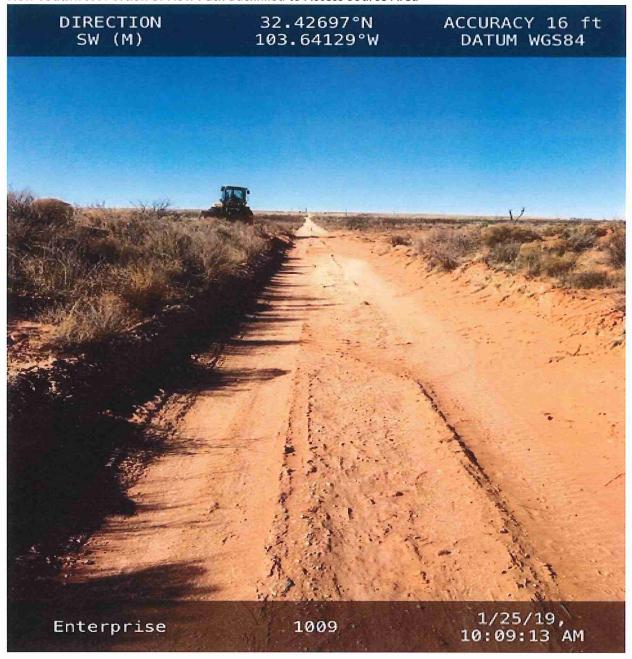








View Southwest Portion of Flow Path Backfilled to Access Source Area



APPENDIX IV LABORATORY REPORTS



November 05, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ENTERPRISE PIPELINE #1009

Enclosed are the results of analyses for samples received by the laboratory on 10/31/18 11:10.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

10/31/2018

Reported:

11/05/2018

ENTERPRISE PIPELINE #1009

Project Name: Project Number:

700348.425.01 ENTERPRISE - LEA CO NM Project Location:

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: S- 1 0' (H803119-01)

BTEX 8021B	mg/	kg	Analyze	i By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.12	106	2.00	0.582	
Toluene*	<0.050	0.050	11/02/2018	ND	1.95	97.7	2.00	0.222	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.86	93.2	2.00	0.180	
Total Xylenes*	0.174	0.150	11/02/2018	ND	5.77	96.2	6.00	0.209	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIE	98.0	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	189	94.7	200	0.769	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	208	104	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	90.4	1% 41-14	2						
Surrogate: 1-Chlorooctadecane	98.0	37.6-1	47						

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*=Accredited Analyte

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

Received:

10/31/2018

Reported: Project Name: 11/05/2018

ENTERPRISE PIPELINE #1009

Project Number:

Project Location:

700348.425.01

ENTERPRISE - LEA CO NM

Sampling Date:

Sample Received By:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

10/29/2018

Tamara Oldaker

Sample ID: S- 1 1' (H803119-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.12	106	2.00	0.582	
Toluene*	<0.050	0.050	11/02/2018	ND	1.95	97.7	2.00	0.222	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.86	93.2	2.00	0.180	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.77	96.2	6.00	0.209	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.65	69.8-14	2						
Chloride, SM4500Cl-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	11/02/2018	ND	400	100	400	3.92	•
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	189	94.7	200	0.769	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	208	104	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	85.6	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	92.6	% 37.6-1-	1 7						

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Celey & Keene



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

Received:

10/31/2018

Reported:

11/05/2018

ENTERPRISE PIPELINE #1009

Project Name: Project Number:

700348.425.01

Project Location:

t Location: ENTERPRISE - LEA CO NM

Sampling Date:

Sampling Type:

Soil

Sampling Type: S
Sampling Condition: C

Cool & Intact

10/29/2018

Sample Received By:

Tamara Oldaker

Sample ID: S- 1 2' (H803119-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.12	106	2,00	0.582	
Toluene*	<0.050	0.050	11/02/2018	ND	1.95	97.7	2.00	0.222	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.86	93.2	2.00	0.180	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.77	96.2	6.00	0.209	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.9	% 69.8-14	2						
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	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	189	94.7	200	0.769	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	208	104	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	74.5	% 41-142	2						
Surrogate: 1-Chlorooctadecane	79.1	% 37.6-14	17						

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TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

Reported:

11/05/2018

Project Name:

ENTERPRISE PIPELINE #1009

ENTERPRISE - LEA CO NM

Project Number:

700348.425.01

Project Location:

10/31/2018

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S- 1 3' (H803119-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS ·	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.12	106	2.00	0.582	
Toluene*	<0.050	0.050	11/02/2018	ND	1.95	97.7	2.00	0.222	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.86	93.2	2.00	0.180	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.77	96.2	6.00	0.209	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.8	% 69.8-14	2						
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	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO.C6-C10*	<10.0	10.0	11/02/2018	ND	189	94.7	200	0.769	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	208	104	200	2.32	
EXT DRO >C28-C36	<10,0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	89.7	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	97.3	% 37.6-1-	17						

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Celeg D. Keens



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Received:

10/31/2018

Reported:

11/05/2018

Project Name:

ENTERPRISE PIPELINE #1009

ENTERPRISE - LEA CO NM

Project Number:

Project Location:

700348.425.01

Sampling Date:

(3)

Sampling Type:

10/29/2018

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S- 2 0' (H803119-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	0.109	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	0.168	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	1.41	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	1,68	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.1	10.0	11/02/2018	ND	189	94.7	200	0.769	
DRO >C10-C28*	61.5	10.0	11/02/2018	ND	208	104	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	84.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	93.7	% 37.6-14	17						

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Celeg & Kreens-



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

10/31/2018

11/05/2018

Sampling Date:

10/29/2018

Reported:

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 2 1' (H803119-06)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.6	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	· Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS		, <u>.</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	189	94.7	200	0.769	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	208	104	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	83.0	% 41-142	?						
Surrogate: 1-Chlorooctadecane	90.8	% 37.6-14	7						

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

Received:

10/31/2018

Reported:

11/05/2018

700348.425.01

Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

10/29/2018

Sampling Type: Sampling Condition: Soil Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S- 2 2' (H803119-07)

BTEX 8021B	mg/	kg	Analyze	d By: ms					****
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 5	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	189	94.7	200	0.769	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	208	104	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	84.3	% 41-142	2						
Surrogate: 1-Chlorooctadecane	91.8	% 37.6-14	17						

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*=Accredited Analyte

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Colog D. Keens



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

Received:

10/31/2018

Reported:

11/05/2018

Project Name:

ENTERPRISE PIPELINE #1009

Project Number: Project Location:

700348.425.01

ENTERPRISE - LEA CO NM

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

10/29/2018

Tamara Oldaker

Sample ID: S- 2 3' (H803119-08)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.4	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	<10.0	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	104 :	% 41-142	}						
Surrogate: 1-Chlorooctadecane	96.5	% 37.6-14	7						

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Celleg & Keine



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

10/31/2018

11/05/2018

Sampling Date:

10/29/2018

Reported:

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 3 0' (H803119-09)

BTEX 8021B	8021B mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	36.1	2.00	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	28.4	2.00	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	194	6.00	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	260	12,0	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	113	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3590	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	2060	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	74.3	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	245	% 41-142	?				٩		
Surrogate: 1-Chlorooctadecane	115	% 37.6-14	17						

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alex there



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Fax To:

(575) 745-8905

Received:

10/31/2018

Reported: Project Name: 11/05/2018

ENTERPRISE PIPELINE #1009 700348.425.01

ENTERPRISE - LEA CO NM

Project Number:

Project Location:

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: S- 3 1' (H803119-10)

BTEX 8021B	mg/	kg .	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2,94	
Toluene*	<0.050	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	69.8-14	2	-					
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	<10.0	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	12.5	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	102 :	% 41-142	?					,	
Surrogate: 1-Chlorooctadecane	94.5	% 37.6-14	17						

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alay to Kenna



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

10/31/2018

11/05/2018

Sampling Date:

10/29/2018

Reported:

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 3 3' (H803119-11)

BTEX 8021B	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	0.082	0,050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100	% 69.8-14	2		AAA AA A MARA				
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	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	<10.0	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	101	% 41-142	2						
Surrogate: 1-Chlorooctadecane	95.7	% 37.6-14	17						

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alex trens



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

10/31/2018

11/05/2018

Sampling Date:

10/29/2018

Reported:

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 4 0' (H803119-12)

TEX 8021B	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	10.6	2.00	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	194	2.00	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	63.3	2.00	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	465	6.00	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	733	12.0	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	11/02/2018	ND	400	100	400	3.92	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS	,				S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6110	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	1180	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	43.6	10,0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	178	% 41-142	?						
Surrogate: 1-Chlorooctadecane	108	% 37.6-14	7						

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Clay treens



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

Received:

10/31/2018

Reported:

11/05/2018

Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

700348.425.01

Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: S- 4 1' (H803119-13)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0,050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	0.060	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	0.050	0.050	11/02/2018	ND .	1.77	88.7	2.00	1.05	
Total Xylenes*	0.403	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	0.513	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 69.8-14	2				44.000.00		
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	12.5	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	27.9	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	<10.0	10,0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	85.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	82.2	% 37.6-14	7						

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Celly D. Kenne



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

Received:

10/31/2018

Reported:

11/05/2018

Project Name:

Project Number: Project Location:

ENTERPRISE PIPELINE #1009

700348.425.01 **ENTERPRISE - LEA CO NM** Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S- 4 2' (H803119-14)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	0.265	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.9	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	54.9	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	102	% 41-142	?						
Surrogate: 1-Chlorooctadecane	95.9	% 37.6-14	7						

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Celley Thema



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

Received:

10/31/2018

Sampling Date:

10/29/2018

Reported:

11/05/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 4 3' (H803119-15)

BTEX 8021B	mg/	kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	0.149	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.1	% 69.8-14	2			-			
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	<10.0	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	94.9	% 41-142	!						
Surrogate: 1-Chlorooctadecane	91.3	% 37.6-14	7						

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Celeg & Freena



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

Received:

10/31/2018

Reported:

11/05/2018

ENTERPRISE PIPELINE #1009

Project Name: Project Number:

700348.425.01

Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S- 5 0' (H803119-16)

BTEX 8021B	mg/	kg Analyzed By: ms							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	103	20.0	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	1260	20.0	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	288	20.0	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	2200	60.0	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	3860	120	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 :	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	60900	100	11/02/2018	ND	198	99,1	200	0.876	
DRO >C10-C28*	7760	100	11/02/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	383	100	11/02/2018	ND					
Surrogate: 1-Chlorooctane	697	% 41-142	?						1
Surrogate: 1-Chlorooctadecane	108	% 37.6-14	7						

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Celley to Keena



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

Received:

10/31/2018

11/05/2018

Sampling Date:

10/29/2018

Reported:

11/03/2010

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 5 1' (H803119-17)

EX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	0.802	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	1.31	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	7.91	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	10.0	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	133	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	61.5	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	127	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	36.1	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	}						
Surrogate: 1-Chlorooctadecane	99.8	% 37.6-14	7						

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Clay & Keens



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

Received:

10/31/2018

Sampling Date:

10/29/2018

Reported:

11/05/2018

Sampling Type:

Soil

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Name: Project Number:

700348,425,01

Sample Received By:

Tamara Oldaker

Project Location: ENTERPRISE - LEA CO NM

Sample ID: S- 5 3' (H803119-18)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.151	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	1.39	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	0.978	0.050	11/02/2018	ND	1.77	88,7	2.00	1.05	
Total Xylenes*	7.11	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	9.62	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	117 %	69.8-14	2						
Chloride, SM4500CI-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	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	131	10.0	11/01/2018	ND	198	99.1	200	0.876	
DRO >C10-C28*	149	10.0	11/01/2018	ND	201	100	200	1.06	
EXT DRO >C28-C36	11.7	10.0	11/01/2018	ND					
Surrogate: 1-Chlorooctane	108 9	6 41-142							
Surrogate: 1-Chlorooctadecane	101 9	% 37.6-14	7						

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Received:

10/31/2018

Sampling Date:

10/29/2018

Reported:

11/05/2018

Sampling Type:

Soil

Cool & Intact

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Project Number:

700348.425,01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 6 0' (H803119-19)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2,00	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	33.3	2.00	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	22.0	2.00	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	151	6.00	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	206	12.0	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	112	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS		·			S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4010	10.0	11/02/2018	ND	205	103	200	1.56	
DRO >C10-C28*	3470	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	119	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	220	% 41-142							
Surrogate: 1-Chlorooctadecane	141	% 37.6-14	7						

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Received:

10/31/2018

Sampling Date:

10/29/2018

Reported:

11/05/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 6 0.5' (H803119-20)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	1.81	0.500	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	4.06	0.500	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	25.2	1.50	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	31.1	3.00	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	115 %	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS			•		S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	938	10.0	11/02/2018	ND	205	103	200	1.56	
DRO >C10-C28*	1240	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	59.3	10.0	11/02/2018	ND ·					
Surrogate: 1-Chlorooctane	151 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	121 9	% 37.6-14	17						

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Fax To:

(575) 745-8905

Received: Reported: 10/31/2018

11/05/2018

ENTERPRISE PIPELINE #1009

Project Name: Project Number:

700348.425.01

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

10/29/2018

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 6 1' (H803119-21)

BTEX 8021B	mg/	/kg	Analyze	d By: ms		***			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	11/02/2018	ND	1.87	93.4	2,00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	% 69.8-14	2		***************************************				
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	205	103	200	1.56	
DRO >C10-C28*	23.5	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	12.3	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142	1						
Surrogate: 1-Chlorooctadecane	102 9	% 37.6-14	7						

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Received:

10/31/2018

Reported:

11/05/2018

ENTERPRISE PIPELINE #1009

ENTERPRISE - LEA CO NM

Project Name: Project Number:

700348.425.01

Project Location:

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S- 6 2' (H803119-22)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2,02	101	2.00	2.94	
Toluene*	0.095	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.0	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	205	103	200	1,56	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	103 5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.2	% 37.6-14	7	Ė					

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Received:

10/31/2018

Reported:

11/05/2018

Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

700348.425.01

Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

10/29/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: S- 6 3' (H803119-23)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	<0.050	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.77	88.7	2,00	1.05	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.49	91,5	6.00	0.781	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.8	% 69.8-14	2				=		
Chloride, SM4500CI-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	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS		700			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	205	103	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	90.8	% 41-142							
Surrogate: 1-Chlorooctadecane	90.7	% 37.6-14	7						

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

Received:

10/31/2018

11/05/2018

Sampling Date:

10/29/2018

Reported:

11/03/2010

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S- 7 0' (H803119-24)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	2.02	101	2.00	2.94	
Toluene*	0.136	0.050	11/02/2018	ND	1.87	93.4	2.00	1.78	
Ethylbenzene*	0.081	0.050	11/02/2018	ND	1.77	88.7	2.00	1.05	
Total Xylenes*	0.584	0.150	11/02/2018	ND	5.49	91.5	6.00	0.781	
Total BTEX	0.800	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.6	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.7	10.0	11/02/2018	ND	205	103	200	1,56	
DRO >C10-C28*	45.7	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	106 9	6 41-142							
Surrogate: I-Chlorooctadecane	106 9	6 37.6-14	7						

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Fax To:

(575) 745-8905

Received:

10/31/2018

11/05/2018

Reported: Project Name:

ENTERPRISE PIPELINE #1009

Project Number: Project Location: 700348.425.01

ENTERPRISE - LEA CO NM

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

10/29/2018

Sample Received By:

Tamara Oldaker

Sample ID: S- 7 0.5' (H803119-25)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	1.88	94.1	2.00	2.21	
Toluene*	0.057	0.050	11/02/2018	ND	1.74	86.8	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.68	83.8	2.00	3.02	
Total Xylenes*	0.255	0.150	11/02/2018	ND	5.16	86.0	6.00	2.89	
Total BTEX	0.312	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	205	103	200	1.56	
DRO >C10-C28*	26.7	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	107 5	% 41-142	?				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Surrogate: 1-Chlorooctadecane	104	% 37.6-14	7						

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Celeg D Kreens-



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

Received:

10/31/2018

Sampling Date:

10/29/2018

Reported:

11/05/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S-7 1' (H803119-26)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	1.88	94.1	2.00	2,21	
Toluene*	<0.050	0.050	11/02/2018	ND	1.74	86.8	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.68	83.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.16	86.0	6.00	2.89	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	96.9	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS	~~~~				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	205	103	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	103	% 41-142	!				· · · · · · · · · · · · · · · · · · ·		
Surrogate: 1-Chlorooctadecane	99.6	% 37.6-14	7						

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Celeg & Keene



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

10/31/2018

11/05/2018

Sampling Date:

10/29/2018

Reported:

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: S-7 2' (H803119-27)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2018	ND	1.88	94.1	2.00	2.21	
Toluene*	<0.050	0.050	11/02/2018	ND	1.74	86.8	2.00	1.78	
Ethylbenzene*	<0.050	0.050	11/02/2018	ND	1.68	83.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/02/2018	ND	5.16	86.0	6.00	2.89	
Total BTEX	<0.300	0.300	11/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	69.8-14	2						
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	11/02/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2018	ND	205	103	200	1,56	
DRO >C10-C28*	<10.0	10.0	11/02/2018	ND	217	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	11/02/2018	ND					
Surrogate: 1-Chlorooctane	97.2	% 41-142	?						
Surrogate: 1-Chlorooctadecane	88.2	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's,

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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 SM4500Cl-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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*=Accredited Analyte

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Celeg & Keena



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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□ Yes □	Phone Result:	Date: SI-IC Received by:	Camiquistica by.
	loss of uso, or loss of profits incurred by client, its subsidiarie is based upon any of the above stated reasons or otherwise.	affinites or successors arising out of or related to the porformance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Refinence is the property of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	affiliates or successors arising out of or relate
ppilable	t or lart, shall be limited to the amount paid by the ctient for the d received by Cardinal within 30 days after completion of the	analyses. All claims including those for recilipance and any other cease whatspewer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable in no event their control waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	analyses. All claims including those for neglic
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les.	City:	Project #: 700348 425 01 Project Owner: Entenprise	Project #: 700348
	Address:	575.441.4835 Fax#:	Phone #: 575.44/
	Attn: カル・	State: NM Zip: 88210	city: A tesia
	Company: Telow// Pe	w Texas Ave	Address: 400
	P.O. #: 700348 42501	DAVID ADKWS	Project Manager:
ANALYSIS REQUEST	B/LL_70	Talon 12PE	Company Name:

50 50 50

Sample Condition
Cool Intact
Tres - Yes
No No

CHECKED BY: (Initials) 70,

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

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fime: // O Date:

Received By:

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Time:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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tion of the applicable substitution of the applicable	- was a received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by effent, its subsidiaries, affiliates or represent a reference and formation.
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	Phone #: 575. 441. 4855 Fax #: Address:
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*1	25 Ave
	P.O. 7
ANALYSIS REQUEST	company Name: でしっへ / レ PE

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

company name: Telow /L/PE	1
Project Manager: シルリング オカビルS	P.O.#: 70)348 %(d
Address: 408 U. Teyas que	-3 1
1	\$
Phone #: \$75.441.4835 Fax #:	Address:
Project Owner: Bytes, NIS-e	
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PLEASE NOTE: Liability and Danages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	or lort, shall be limited to the amount paid by the client for the
affiliates or electasses satisfied of or related to the porformance of services berounder by Cardinal year of the applicable of the applicable affiliates or electasses satisfied of or related to the porformance of services berounder by Cardinal, reparations of whether such above stated reasons or otherwise.	received by Cardinal within, 30 days, after completion of the applicable faces of user, or loss of profils incurred by client, its audeditaries, a based upon any of the above stated reasons or othorwise.
Time:	
Relinquished By: Date: Received By:) j
Time:	P. Not N
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Sampler - UPS - Bus - Other: 8,20 #57 Fres Fres	



November 29, 2018

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: ENTERPRISE PIPELINE #1009

Enclosed are the results of analyses for samples received by the laboratory on 11/21/18 14:00.

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.

Celey & Keine

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. Keene

Lab Director/Quality Manager



TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Analysis of Day MC

Received:

11/21/2018

Reported:

11/29/2018

Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

Project Location:

700348.425.01 ENTERPRISE - LEA CO NM Sampling Date:

Sampling Type:

11/20/2018

Soil

Sampling Condition:

Cool & Intact

Sample Received By: Tamara Oldaker

Sample ID: SP- 1 - 1' (H803425-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	1.83	91.3	2,00	0.0710	
Toluene*	<0.050	0.050	11/28/2018	ND	1.78	89.1	2.00	0.920	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	1.72	86.2	2.00	1.08	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	5.07	84.4	6.00	0.833	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.3	% 73.3-12	9						
Chloride, SM4500CI-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	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	215	107	200	8.45	
DRO >C10-C28*	17.3	10.0	11/27/2018	ND	227	114	200	1.21	
EXT DRO >C28-C36	19.9	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	85.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	88.6	% 37.6-14	17						

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aleg Steens



TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 1 - 2' (H803425-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/28/2018	ND	1.83	91.3	2.00	0.0710	
Toluene*	<0.050	0.050	11/28/2018	ND	1.78	89.1	2.00	0.920	
Ethylbenzene*	<0.050	0,050	11/28/2018	ND	1.72	86.2	2.00	1,08	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	5.07	84.4	6.00	0.833	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	96.9	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	215	107	200	8.45	
DRO >C10-C28*	<10.0	10.0	11/27/2018	ND	227	114	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	88.4	% 41-142	?	-					
Surrogate: 1-Chlorooctadecane	90.4	% 37.6-14	17						

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TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

11/21/2018

Reported: Project Name: 11/29/2018

ENTERPRISE PIPELINE #1009

ENTERPRISE - LEA CO NM

Project Number:

Project Location:

700348.425.01

Sampling Date:

11/20/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP- 2 - 1' (H803425-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	1.83	91.3	2.00	0.0710	
Toluene*	<0.050	0.050	11/28/2018	ND	1.78	89.1	2.00	0.920	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	1.72	86.2	2.00	1.08	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	5.07	84.4	6.00	0.833	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.5	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	215	107	200	8.45	
DRO >C10-C28*	15.3	10.0	11/27/2018	ND	227	114	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	86.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	88.3	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kreens -



TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 2 - 2' (H803425-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS	W-11/2				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	1.83	91.3	2.00	0.0710	
Toluene*	<0.050	0.050	11/28/2018	ND	1.78	89.1	2.00	0.920	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	1.72	86.2	2,00	1.08	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	5.07	84.4	6.00	0.833	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	92.5	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	215	107	200	8.45	
DRO >C10-C28*	57.6	10.0	11/27/2018	ND	227	114	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	87.0	% 41-142	?						
Surrogate: 1-Chlorooctadecane	92.6	% 37.6-14	7						

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Fax To:

11/21/2018

Reported: Project Name:

Received:

11/29/2018

700348.425.01

ENTERPRISE PIPELINE #1009

Project Number:

Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

11/20/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: SP- 3 - 1' (H803425-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS	Kanadalah .				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	1.83	91.3	2.00	0.0710	
Toluene*	<0.050	0.050	11/28/2018	ND	1.78	89.1	2.00	0.920	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	1.72	86.2	2.00	1.08	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	5.07	84.4	6.00	0.833	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.0 9	6 73.3-12	9						
Chloride, SM4500CI-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	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS			1 - 1 M - 1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	215	107	200	8.45	
DRO >C10-C28*	<10.0	10.0	11/27/2018	ND	227	114	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	86.0	% 41-142							
Surrogate: 1-Chlorooctadecane	88.5	% 37.6-14	7						

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Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 3 - 2' (H803425-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS	24424				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	1.83	91.3	2.00	0,0710	
Toluene*	0.140	0.050	11/28/2018	ND	1.78	89.1	2.00	0.920	
Ethylbenzene*	0.053	0.050	11/28/2018	ND	1.72	86.2	2,00	1.08	
Total Xylenes*	0.296	0.150	11/28/2018	ND	5.07	84.4	6.00	0.833	
Total BTEX	0.490	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC			with the second			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	215	107	200	8.45	
DRO >C10-C28*	<10.0	10.0	11/27/2018	ND	227	114	200	1.21	
EXT DRO > C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	88.1	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	90.7	% 37.6-14	! 7						

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Received:

11/21/2018

11/29/2018

Sampling Date:

11/20/2018

Reported: Project Name:

Sampling Type:

Soil

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 4 - 1' (H803425-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	23.9	0.500	11/29/2018	ND	2.26	113	2.00	1.42	QM-07
Ethylbenzene*	24.4	0.500	11/29/2018	ND	2.18	109	2.00	1.53	QM-07
Total Xylenes*	132	1.50	11/29/2018	ND	6.41	107	6.00	1.62	QM-07
Total BTEX	180	3.00	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	155	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4390	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	1670	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	57.8	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	123	% 41-142	?						
Surrogate: 1-Chlorooctadecane	112	% 37.6-14	7						

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11/21/2018

11/29/2018 Reported:

ENTERPRISE PIPELINE #1009 Project Name:

Project Number: 700348.425.01

ENTERPRISE - LEA CO NM Project Location:

Sampling Date:

11/20/2018 Sampling Type: Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP- 4 - 2' (H803425-08)

Received:

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	24.0	0.500	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	27.5	0.500	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	178	1.50	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	229	3.00	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	169	% 73.3-12	9				_		
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	11/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3800	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	1310	10,0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	62.3	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	152	% 41-142	?						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	17						

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Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 5 - 1' (H803425-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	0.051	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.295	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	0.346	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.4	% 73.3-12	9						
Chloride, SM4500CI-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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	15.6	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	85.0	% 41-142	2						
Surrogate: 1-Chlorooctadecane	95.1	% 37.6-1-	17						

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11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 5 - 2' (H803425-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	0.276	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	0.074	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.452	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	0.802	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2018	ND	416	104	400	0.00	•
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	87.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.2	% 37.6-14	17						

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Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 6 - 1' (H803425-11)

BTEX 8021B	mg/	kg	Analyzed By: MS					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.39	0.500	11/29/2018	ND	2.27	114	2.00	0.353		
Toluene*	64.2	0.500	11/29/2018	ND	2.26	113	2.00	1.42		
Ethylbenzene*	47.0	0.500	11/29/2018	ND	2.18	109	2.00	1.53		
Total Xylenes*	273	1.50	11/29/2018	ND	6.41	107	6.00	1.62		
Total BTEX	386	3.00	11/29/2018	ND						
Surrogate: 4-Bromofluorobenzene (PIL	187 5	% 73.3-12	9							
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC			and the state of t				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/29/2018	ND	416	104	400	0.00		
TPH 8015M	mg,	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	5330	10.0	11/28/2018	ND	212	106	200	5.81		
DRO >C10-C28*	1480	10.0	11/28/2018	ND	215	107	200	4.06		
EXT DRO >C28-C36	65.8	10.0	11/28/2018	ND						
Surrogate: 1-Chlorooctane	167	% 41-142	?							
Surrogate: 1-Chlorooctadecane	106	% 37.6-14	17							

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11/21/2018

Reported: Project Name: 11/29/2018

ENTERPRISE PIPELINE #1009

ENTERPRISE - LEA CO NM

Project Number:

Project Location:

700348.425.01

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

11/20/2018

Sample Received By:

Tamara Oldaker

Sample ID: SP- 6 - 2' (H803425-12)

EX 8021B	mg,	/kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.94	0.500	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	87.2	0.500	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	62.3	0.500	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	384	1.50	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	535	3.00	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	195	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					- 100
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	8620	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	1800	10,0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	83.7	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	124	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	98.4	% 37.6-14	17						

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Fax To:

(575) 745-8905

Received: Reported:

Project Name:

11/21/2018

11/29/2018

ENTERPRISE PIPELINE #1009

Project Number:

700348,425.01

ENTERPRISE - LEA CO NM Project Location:

Sampling Date:

Sampling Type:

11/20/2018

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP- 7 - 1' (H803425-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	0.066	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.429	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	0.495	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.5	% 73.3-12	9						
Chloride, SM4500CI-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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.1	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	24.7	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	19.8	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	90.1	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	97.8	% 37.6-14	17						

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TALON LPE CHRIS JONES 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Number: Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 7 - 2' (H803425-14)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.067	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	0.525	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	0.091	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.635	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	1.32	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.3	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	89.1	% 41-142	2						
Surrogate: 1-Chlorooctadecane	95.6	% 37.6-14	17						

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Reported: 11/29/2018

ENTERPRISE PIPELINE #1009

Project Name: Project Number:

Received:

700348.425.01

11/21/2018

Project Location: ENTERPRISE - LEA CO NM

Sampling Date:

Sampling Type:

11/20/2018

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP- 8 - 1' (H803425-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	0.073	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.489	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	0.562	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	114	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	21.9	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	90.0	% 41-142	2						
Surrogate: 1-Chlorooctadecane	99.6	% 37.6-14	17						

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Received:

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Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 8 - 2' (H803425-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2,27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.4	% 73.3-12	9						
Chloride, SM4500CI-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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/27/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/27/2018	ND					
Surrogate: 1-Chlorooctane	87.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.6	% 37.6-14	7						

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Received:

11/21/2018

11/29/2018

Reported: Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

700348.425.01

Project Location: ENTERPRISE - LEA CO NM

Sampling Date: Sampling Type: 11/20/2018

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP- 9 - 1' (H803425-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS			n_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	1,53	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC		MI-I-I			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10,0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10,0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	82.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	89.4	% 37.6-14	17						

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Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 9 - 2' (H803425-18)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.9	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO > C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	89.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	95.2	% 37.6-14	7						

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Received:

11/21/2018

11/29/2018

Sampling Date:

11/20/2018

Reported: Project Name:

ENTERPRISE PIPELINE #1009

Sampling Type:

Soil

Project Name:

700040 405 04

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 10 - 2' (H803425-19)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	0.172	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	0.055	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.315	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	0.542	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 5	% 73.3-12	9						
Chloride, SM4500Cl-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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.8	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	90.4	% 41-142							
Surrogate: 1-Chlorooctadecane	95.0	% 37.6-14	7						

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11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 11 - 1' (H803425-20)

BTEX 8021B	mg	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.679	0.500	11/29/2018	ND	2,27	114	2.00	0.353	
Toluene*	43.3	0.500	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	36.1	0.500	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	215	1.50	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	295	3.00	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	170	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4320	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	1250	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	25.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	151	% 41-142	?						
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	7						

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Reported: Project Name: 11/29/2018

ENTERPRISE PIPELINE #1009

Project Number:

Project Location:

700348.425.01 ENTERPRISE - LEA CO NM Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

11/20/2018

Sample Received By:

Tamara Oldaker

Sample ID: SP- 12 - 1' (H803425-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2,00	1.53	
Total Xylenes*	0.266	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.9	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					440000
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	87.4	% 41-142	2						
Surrogate: 1-Chlorooctadecane	94.5	% 37.6-14	17						

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aleg trees



TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Fax To:

Received:

11/21/2018

Reported:

11/29/2018

Project Name:

ENTERPRISE PIPELINE #1009

Project Number: Project Location: 700348.425.01

ENTERPRISE - LEA CO NM

Sampling Date:

11/20/2018 Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Tamara Oldaker

Sample ID: SP- 12 - 2' (H803425-22)

BTEX 8021B	mg/	kg	Analyzed By: MS					· · · · · · · · · · · · · · · · · · ·	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	0.260	0.050	11/29/2018	ND	2.26	113	2.00	1,42	
Ethylbenzene*	0.072	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.409	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	0.740	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS				· · · · · · · · · · · · · · · · · · ·	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	86.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	92.9	% 37.6-14	17						

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Received: Reported:

11/21/2018

11/29/2018

29/2018

Project Name: Project Number:

Project Location:

ENTERPRISE PIPELINE #1009

700348.425.01 ENTERPRISE - LEA CO NM Sampling Date:

Sampling Type:

Sampling Condition:

11/20/2018 Soil

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP- 17 - 1' (H803425-23)

BTEX 8021B	mg/	'kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.77	0.500	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	50.4	0.500	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	37.1	0.500	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	202	1.50	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	291	3.00	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	159	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC		2007				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6610	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	1580	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	41.7	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	176	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	17						

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Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 17 - 2' (H803425-24)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	2.27	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2,00	1.53	
Total Xylenes*	24.3	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	26.6	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	126 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	224	16.0	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	659	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	348	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	106	% 41-142	?						
Surrogate: 1-Chlorooctadecane	92.1	% 37.6-14	17						

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Fax To:

(575) 745-8905

Analyzed By MC

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 18 - 1' (H803425-25)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	0.276	0.150	11/29/2018	ND	6.41	107	6.00	1.62	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.4	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS	24-14-1				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	87.0	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	87.9	% 37.6-14	1 7						

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Received:

11/21/2018

Reported:

11/29/2018

700348.425.01

Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

Project Number:
Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

Sampling Date.

Sampling Type:

Sampling Condition: Sample Received By: 11/20/2018

Soil

Cool & Intact

Tamara Oldaker

Sample ID: SP- 18 - 2' (H803425-26)

BTEX 8021B	mg/	kg	Analyze	d By: MS		ant W			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.27	114	2.00	0.353	
Toluene*	<0.050	0.050	11/29/2018	ND	2.26	113	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	1.53	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.41	107	6.00	1,62	
Total BTEX	<0.300	0.300	11/29/2018	ND				L	
Surrogate: 4-Bromofluorobenzene (PIL	96.3	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	87.2	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	89.7	% 37.6-14	17						

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Fax To:

(575) 745-8905

Analyzed Duy me

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 19 - 1' (H803425-27)

BTEX 8021B	mg/	kg	Analyze	d By: ms		wa			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2,23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS			*******		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	85.3	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	85.3	% 37.6-14	17						

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Received:

11/21/2018

Reported:

11/29/2018

Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

700348,425,01

ENTERPRISE - LEA CO NM Project Location:

Sampling Date:

11/20/2018

Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Tamara Oldaker

Sample ID: SP- 19 - 2' (H803425-28)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3,69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 5	% 73.3-12	9						
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	11/29/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	89.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	96.0	% 37.6-14	17						

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TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Analyzed Byg me

Received:

11/21/2018

Reported:

11/29/2018

Project Name:

ENTERPRISE PIPELINE #1009

Project Number:

700348.425.01

ENTERPRISE - LEA CO NM Project Location:

Sampling Date: Sampling Type:

11/20/2018

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP- 20 - 1' (H803425-29)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	89.0	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.2	% 37.6-14	17						

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TALON LPE CHRIS JONES 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348,425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 20 - 2' (H803425-30)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	88.2	% 41-142	?						
Surrogate: 1-Chlorooctadecane	91.0	% 37.6-14	17						

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TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported: Project Name: 11/29/2018

Sampling Type:

Soil

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 21 - 1' (H803425-31)

BTEX 8021B	mg/	kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	83.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	86.4	% 37.6-14	17						

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Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 21 - 2' (H803425-32)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	89.7	% 41-14.	2						
Surrogate: 1-Chlorooctadecane	90.9	% 37.6-14	4 7						

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Received:

11/21/2018

Reported:

11/29/2018

Project Name:

ENTERPRISE PIPELINE #1009 700348.425.01

Project Number:

Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Cool & Intact

11/20/2018

Soil

Tamara Oldaker

Sample ID: SP- 22 - 2' (H803425-33)

BTEX 8021B	mg/	'kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10,0	11/28/2018	ND	231	115	200	18.9	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	253	126	200	17.4	
EXT DRO >C28-C36	<10.0	10,0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	91.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	91.8	% 37.6-14	17						

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Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 23 - 1' (H803425-34)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/28/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/28/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/28/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	3.77	
ТРН 8015М	mg,	/kg	Analyze	d By: MS				**************************************	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	90.6	% 41-142	?						
Surrogate: 1-Chlorooctadecane	95.5	% 37.6-14	17						

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Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Number: Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 23 - 2' (H803425-39)

BTEX 8021B	mg/	'kg	Analyze	d By: ms		Authorom VIII -	***************************************		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 73.3-12	19						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					waa
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	219	110	200	2.37	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	256	128	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	90.7	% 41-142	2						
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	! 7						

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Received:

11/21/2018

Reported: Project Name: 11/29/2018

ENTERPRISE PIPELINE #1009

Project Number: Project Location: 700348,425,01

ENTERPRISE - LEA CO NM

Sampling Date:

11/20/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP- 24 - 1' (H803425-35)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.23	112	2,00	3.62	
Toluene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					.va.vavana
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	97.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	7						

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Received: Reported:

11/21/2018

11/29/2018

ENTERPRISE PIPELINE #1009

Project Name: Project Number:

roject Number: 700348.425.01

Project Location:

ENTERPRISE - LEA CO NM

Sampling Date:

Sampling Type:

Sample Received By:

ling Type:

Sampling Condition:

Soil

Cool & Intact

11/20/2018

Tamara Oldaker

Sample ID: SP- 24 - 2' (H803425-36)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103	% 73.3-12	9						
Chloride, SM4500CI-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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS		2			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	86.2	% 41-142	?						
Surrogate: 1-Chlorooctadecane	93.0	% 37.6-14	17						

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Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348.425.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 25 - 2' (H803425-37)

BTEX 8021B	mg/	kg	Analyze	d By: ms			*****		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2.23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
Chloride, SM4500CI-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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2018	ND	212	106	200	5.81	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	215	107	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	91.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.5	% 37.6-14	17						

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Celley D. Keens-



TALON LPE **CHRIS JONES** 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

11/21/2018

Sampling Date:

11/20/2018

Reported:

11/29/2018

Sampling Type:

Soil

Project Name:

ENTERPRISE PIPELINE #1009

Sampling Condition:

Cool & Intact

Project Number:

700348,425,01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE - LEA CO NM

Sample ID: SP- 26 - 1' (H803425-38)

BTEX 8021B	mg,	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2018	ND	2,23	112	2.00	3.62	
Toluene*	<0.050	0.050	11/29/2018	ND	2.18	109	2.00	3.69	
Ethylbenzene*	<0.050	0.050	11/29/2018	ND	2.08	104	2.00	2.83	
Total Xylenes*	<0.150	0.150	11/29/2018	ND	6.62	110	6.00	2.73	
Total BTEX	<0.300	0.300	11/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
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	11/29/2018	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.3	10.0	11/28/2018	ND	219	110	200	2,37	
DRO >C10-C28*	<10.0	10.0	11/28/2018	ND	256	128	200	2,65	
EXT DRO >C28-C36	<10.0	10.0	11/28/2018	ND					
Surrogate: 1-Chlorooctane	87.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

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Celeg & Kenne



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of

analyte inherent in the sample.

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 SM4500Cl-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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Celey & Keene



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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	subsidiaries, otherwise.	t limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiant regardless of whether such claim is based upon any of the above staited reasons or otherwise.	including without limitation, business interruptions, ider by Cardinal, repardless of whether such claim	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiants, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	service. In no event shall affiliates or successors a
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		State: Zip:		: Pipeline	Project Name:
		City:	wner: Enterphise	100 348.425. Ol Project Owner:	Project#: 7
		Address:		575-746-8768 Fax#:	Phone #:
		Attn:	JM Zip: &&Q)	ESIA State: NM	city: ALT
		Company:			Address: 40X
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Time: . 00

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Time: Date:



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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ult: ☐ Yes ☐ No Add'I Fax #:	Fax Result:	//-2/-/8 Received by	Relinguished By:
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The applicable	whiling and received by Cardinal within 30 days after complisitor o ruptions, loss of use, or loss of profits incurred by cifent, its substitutions, loss of use, or loss of profits incurred by cifent, its substitutions.	PLEASE NOTE: Lability and planages. Catorinas statiny and cents exclusive tintucty of any seam easily account account of the applicable analyses. All claims including those for nogligence and any other centes whatsoever shall be desented wolved unless made in witing and received by Cardinal whith 30 days after completion of the applicable service. All claims including those for nogligence and any other centes whatsoever shall be desented by cardinal and received by Cardinal and the state of the	PLEASE NOTE: Liability and Damages. analyses. All claims including those for n service. In no event shall Cardinal be flat
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	State: Zip:		Project Name: P. De
	City:	1X. 425 Oproject Owner: Intoposio	Project #: 700 34
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	Company:	7	Address: ا
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ANALYSIS REQUEST	BILL TO	w lie	Company Name: Takon



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

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Sample Condition
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ŧ d'. CHECKED BY: (Initials) Relinquished By:

Time: 1.00

Received By:

Date: 21-18 Received By:

Phone Result: Fax Result: REMARKS:

Time:

March or March



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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Project Manager: (1) (5)	P.O. #:		
Address: 408 4 15xx	Company:		
State: /\UM	Zip: 8/2/0 Attn:		
Phone #: 575-740-8768 Fax #:	Address:		
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PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount poid by the client for the	claim arising whether based in contract or tort, shall be time	ed to the amount poid by the ellent for the	
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CHECKED BY:

Sampler - UPS - Bus - Other:

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Date: 2/-/8 Time: 7:00

Phone Result:
Fax Result:
REMARKS:

□ Yes

□ □ No No



December 11, 2018

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: 1009

Enclosed are the results of analyses for samples received by the laboratory on 11/30/18 11:25.

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 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 accredited accredited analytes are denoted by an asterisk (*).

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

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Celeg & Keene

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B

Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2

Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keene

Lab Director/Quality Manager



TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210

Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES Reported: 11-Dec-18 14:42

Fax To: (575) 745-8905

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B 1 - 4'	H803515-01	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 6'	H803515-02	Soil	29-Nov-18 00:00	30-Nov-18 11:25
В 1 - 8'	H803515-03	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 10'	H803515-04	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 12'	H803515-05	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 14'	H803515-06	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 16'	H803515-07	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 18'	H803515-08	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 2 - 4'	H803515-09	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 2 - 6'	H803515-10	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 2 - 8'	H803515-11	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 2 - 10'	H803515-12	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 3 - 4'	H803515-13	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 3 - 6'	H803515-14	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 3 ~ 8'	H803515-15	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 3 - 10'	H803515-16	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 3 - 12'	H803515-17	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 3 - 14'	H803515-18	Soil	29-Nov-18 00:00	30-Nov-18 11:25

This is a revised report with the corrected Total BTEX value for samples -01 thru -08, -13, -15 and -16. This report will replace the one sent on 12/03/18.

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 1 - 4' H803515-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	480		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Toluene*	0.099		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Ethylbenzene*	0.131		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Total Xylenes*	0.711		0.150	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Total BTEX	0.941		0.300	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		102 %	73.3	-129	8113011	MS	30-Nov-18	8021B	
Petroleum Hydrocarbons by (GC FID									
GRO C6-C10*	23.3		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	81.2		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			93.0 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			102 %	37.6	-147	8113012	MS	30-Nov-18	8015B	

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Celey D. Keene



TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B1-6' H803515-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-CI-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	<0.050		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Toluene*	0.113		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Ethylbenzene*	0.060		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Total Xylenes*	0.572		0.150	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Total BTEX	0.744		0.300	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.0 %	73.3	-129	8113011	MS	30-Nov-18	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	22.9		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	i	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			100 %	41-	-142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			111 %	37.6	5-147	8113012	MS	30-Nov-18	8015B	

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Celego Kena



TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01

Project Manager: CHRIS JONES Fax To: (575) 745-8905 Reported:

11-Dec-18 14:42

B 1 - 8'

H803515-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds				***						
Chloride	720		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-CI-B	
Volatile Organic Compounds	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Toluene*	1.39		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Ethylbenzene*	1.93		0.050	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Total Xylenes*	11.4		0.150	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Total BTEX	14.7		0.300	mg/kg	50	8113011	MS	30-Nov-18	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		147 %	73.3	-129	8113011	MS	30-Nov-18	8021B	
Petroleum Hydrocarbons by	GC FID		11-11-11-11							
GRO C6-C10*	419		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	421		10.0	mg/kg	i	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			119 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			115 %	37.6	-147	8113012	MS	30-Nov-18	8015B	

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 1 - 10'

H803515-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	560		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-C1-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	4.26		1.00	mg/kg	1000	8113011	MS	03-Dec-18	8021B	
Toluene*	78.2		1.00	mg/kg	1000	8113011	MS	03-Dec-18	8021B	
Ethylbenzene*	42.5		1.00	mg/kg	1000	8113011	MS	03-Dec-18	8021B	
Total Xylenes*	274		3.00	mg/kg	1000	8113011	MS	03-Dec-18	8021B	
Total BTEX	399		6.00	mg/kg	1000	8113011	MS	03-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		126 %	73.3	-129	8113011	MS	03-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID						***			S-04
GRO C6-C10*	6310		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	1660		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	54.8		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			184 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			122 %	37.6	5-147	8113012	MS	30-Nov-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 1 - 12' H803515-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-CI-B	
Volatile Organic Compounds h	y EPA Method	8021								S-04
Benzene*	4.59		0.500	mg/kg	500	8113011	MS	30-Nov-18	8021B	
Toluene*	73.8		0.500	mg/kg	500	8113011	MS	30-Nov-18	8021B	
Ethylbenzene*	39.1		0.500	mg/kg	500	8113011	MS	30-Nov-18	8021B	
Total Xylenes*	238		1.50	mg/kg	500	8113011	MS	30-Nov-18	8021B	
Total BTEX	356		3.00	mg/kg	500	8113011	MS	30-Nov-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		******	150 %	73.3	-129	8113011	MS	30-Nov-18	8021B	
Petroleum Hydrocarbons by G	C FID									S-04
GRO C6-C10*	4100		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	1140		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	67.4		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			148 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			112 %	37.6	-147	8113012	MS	30-Nov-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 1 - 14' H803515-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds								*****		
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compounds l	oy EPA Method	8021								S-04
Benzene*	1.91		0.500	mg/kg	500	8113011	MS	01-Dec-18	8021B	
Toluene*	42.9		0.500	mg/kg	500	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	36.1		0.500	mg/kg	500	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	212		1.50	mg/kg	500	8113011	MS	01-Dec-18	8021B	
Total BTEX	293		3.00	mg/kg	500	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		163 %	73.3	-129.	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	5190		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	1860		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	59.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			187 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			122 %	37.6	i-147	8113012	MS	30-Nov-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported: 11-Dec-18 14:42

B 1 - 16' H803515-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-CI-B	
Volatile Organic Compounds I	by EPA Method	8021								
Benzene*	22.1		5.00	mg/kg	5000	8113011	MS	03-Dec-18	8021B	
Toluene*	296		5.00	mg/kg	5000	8113011	MS	03-Dec-18	8021B	
Ethylbenzene*	107		5.00	mg/kg	5000	8113011	MS	03-Dec-18	8021B	
Total Xylenes*	778		15.0	mg/kg	5000	8113011	MS	03-Dec-18	8021B	
Total BTEX	1200		30.0	mg/kg	5000	8113011	MS	03-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (P1D))		106 %	73.3	-129	8113011	MS	03-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	12300		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	2430		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO > C28-C36	46.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			153 %	41-	-142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			125 %	37.0	5-147	8113012	MS	30-Nov-18	8015B	

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Project Number: 700348.425.01
Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 1 - 18' H803515-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	0.135		0.050	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Toluene*	0.776		0.050	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Ethylbenzene*	0.109	1	0.050	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Total Xylenes*	0.727		0.150	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Total BTEX	1.75		0.300	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		98.4 %	73.3	-129	8113011	MS	03-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	19.8		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	16.6		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			96.1 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			106 %	37.6	-147	8113012	MS	30-Nov-18	8015B	

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Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 2 - 4' H803515-09 (Soil)

			Reporting							
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes

Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021		- 						
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Toluene*	0.123		0.050	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Total Xylenes*	0.267		0.150	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Total BTEX	0.390		0.300	mg/kg	50	8113011	MS	03-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		97.4 %	73.3	-129	8113011	MS	03-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID								,	
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			96.7 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			107 %	37.6	-147	8113012	MS	30-Nov-18	8015B	

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TALON LPE

F.

Project: 1009

Project Number: 700348.425.01

Reported: 11-Dec-18 14:42

408 W. TEXAS AVE. ARTESIA NM, 88210

Project Manager: CHRIS JONES

Fax To: (575) 745-8905

B 2 - 6' H803515-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-CI-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		96.0 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID			<u></u>		***************************************				
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			93.0 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			101 %	37.6	-147	8113012	MS	30-Nov-18	8015B	

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Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 2 - 8' H803515-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-CI-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		96.4 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctane			91.3 %	41-	142	8113012	MS	30-Nov-18	8015B	
Surrogate: 1-Chlorooctadecane			100 %	37.6	-147	8113012	MS	30-Nov-18	8015B	

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Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 2 - 10' H803515-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-CI-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		98.3 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctane			94.7 %	41-	142	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			105 %	37.6	-147	8113012	MS	01-Dec-18	8015B	

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 3 - 4' H803515-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021				···				
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	0.263		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	0.192		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	1.20		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	1.65		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		109 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	19.7		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
DRO >C10-C28*	41.1		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctane			92.4 %	41-	142	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			102 %	37.6	-147	8113012	MS	01-Dec-18	8015B	

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408 W. TEXAS AVE. ARTESIA NM, 88210

Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 3 - 6' H803515-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021					·-			
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		97.3 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctane			91.9 %	41-	142	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			102 %	37.6	6-147	8113012	MS	01-Dec-18	8015B	

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Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

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11-Dec-18 14:42

Reported:

B 3 - 8' H803515-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds					·-					
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compounds I	by EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	0.537		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	0.740		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	3.98		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	5.26		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID,)		134 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
GRO C6-C10*	34.9		10.0	mg/kg	i	8113012	MS	01-Dec-18	8015B	
DRO >C10-C28*	67.1		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctane			99.3 %	41-	142	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			109 %	37.6	i-147	8113012	MS	01-Dec-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 3 - 10' H803515-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compounds l	by EPA Method	8021							11.5	
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	0.350		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	0.451		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	2.62		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	3.42		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		120 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	36.2		10.0	mg/kg	ı	8113012	MS	01-Dec-18	8015B	
DRO >C10-C28*	77.9		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctane			98.9 %	41-	142	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			108 %	37.6	i-147	8113012	MS	01-Dec-18	8015B	

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Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

B 3 - 12' H803515-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds					**					
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-C1-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		97.4 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctane			98.6 %	41-	142	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			110 %	37.6	5-147	8113012	MS	01-Dec-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

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Reported:

11-Dec-18 14:42

B 3 - 14' H803515-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8113011	MS	01-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (P.	TD)		99.9 %	73.3	-129	8113011	MS	01-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctane			97.4 %	41-	142	8113012	MS	01-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			109 %	37.6	-147	8113012	MS	01-Dec-18	8015B	

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TALON LPE

Project: 1009

Reported:

408 W. TEXAS AVE.

Project Number: 700348.425.01

11-Dec-18 14:42

ARTESIA NM, 88210

Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	, %REC	Limits	RPD	Limit	Notes
Batch 8113010 - General Prep - Wet Chem										
Blank (8113010-BLK1)				Prepared &	k Analyzed	: 30-Nov-18				
Chloride	ND	16.0	mg/kg							
LCS (8113010-BS1)				Prepared &	k Analyzed	: 30-Nov-18				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (8113010-BSD1)				Prepared &	k Analyzed	: 30-Nov-18				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 8120101 - General Prep - Wet Chem										
Blank (8120101-BLK1)				Prepared &	k Analyzed	: 01-Dec-18				
Chloride	ND	16.0	mg/kg							
LCS (8120101-BS1)				Prepared &	k Analyzed	: 01-Dec-18				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (8120101-BSD1)				Prepared &	k Analyzed	: 01-Dec-18				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 8113011 - Volatiles										
Blank (8113011-BLK1)				Prepared &	z Analyzed:	30-Nov-18	3			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Fotal BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0951		mg/kg	0.100		95.1	73.3-129			
LCS (8113011-BS1)				Prepared &	z Analyzed:	30-Nov-18	}			
Benzene	1.91	0.050	mg/kg	2.00		95.3	72.2-131			
Гоlиепе	1.86	0.050	mg/kg	2.00		92.8	71.7-126			
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.3	68.9-126			
Total Xylenes	5.32	0.150	mg/kg	6.00		88.7	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0959		mg/kg	0.100		95.9	73.3-129			
LCS Dup (8113011-BSD1)				Prepared &	z Analyzed:	30-Nov-18	3			
Benzene	1.88	0.050	mg/kg	2.00		94.0	72.2-131	1.34	6.91	
Foluene .	1.88	0.050	mg/kg	2.00		93.9	71.7-126	1.13	7.12	
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.5	68.9-126	2.30	7.88	
Total Xylenes	5.44	0.150	mg/kg	6.00		90.6	71.4-125	2.20	7.46	
Surrogate: 4-Bromofluorobenzene (PID)	0.100		mg/kg	0.100		100	73.3-129			

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

11-Dec-18 14:42

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8113012 - General Prep - Organics										
Blank (8113012-BLK1)				Prepared &	k Analyzed:	30-Nov-18				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.3	41-142			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	37.6-147			
LCS (8113012-BS1)				Prepared &	k Analyzed:	30-Nov-18				
GRO C6-C10	221	10.0	mg/kg	200		110	76.5-133			•
DRO >C10-C28	228	10.0	mg/kg	200		114	72.9-138			
Total TPH C6-C28	449	10.0	mg/kg	400		112	78-132			
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0		105	41-142			
Surrogate: 1-Chlorooctadecane	56.9		mg/kg	50.0		114	37.6-147	•		
LCS Dup (8113012-BSD1)				Prepared &	k Analyzed:	30-Nov-18				
GRO C6-C10	218	10.0	mg/kg	200		109	76.5-133	1.08	20.6	
DRO >C10-C28	225	10.0	mg/kg	200		112	72.9-138	1.37	20.6	
Total TPH C6-C28	443	10.0	mg/kg	400		111	78-132	1.23	18	
Surrogate: 1-Chlorooctane	<i>49.8</i>		mg/kg	50.0		99.6	41-1-42			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	37.6-147			

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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 SM4500Cl-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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Celey & Kenne



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

		The state of the s	
Company Name: TALON ICPE	76		ANALYSIS REQUEST
Ş./		P.O. #:	
Address: 4/0% IN TEXAS	0	Company:	
City: Arbin State: /UM 2	State: NM Zip: 8220	Attn:	
Phone #: 575-746-8768 Fax #:		Address:	
Project #: て00348-425_01 Project Owner: たっちゅつらん		City:	
Project Name: しつつ		State: Zīp:	
Project Location: LCA County	71	Phone #:	
Sampler Name: NAMA TO THE STATE OF THE SAME TO	****	Fax#:	: L
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	- X
Lab I.D. Sample I.D.	B)RAB OR (C)OMP CONTAINERS ROUNDWATER PASTEWATER OIL IL LUDGE	THER: CID/BASE: EE/COOL THER:	BTEX TPH (E Chloxul
1 131 -41		7 11024	
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4 31- 101			
5 3- 12'			
6 31-14			
7 31-16			
8 131- 181			
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10 B2-6'	<u></u>		
PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any alaim cateing whether based in contract or text, shall be limited to the arrown paid by the client for the participant of the supplication of the applicable cardy-ses. All claims including those for negligames and action completed rates whether the cate whether the contract of the white and the cate of the supplicable cardy-ses, in a year shall be decided be liable for indefented or consequential damages, including whiteut limitation, business interruptions, less of test or less of profits incurred by client, its subsidiaries.	y claim arising whether based in contract o cemed walved unless made in writing and t without limitation, business interruptions, lo	or tort, shall be limited to the amount paid by the client for the received by Cardinal within 30 days after completion of the ss of use, or loss of profits incurred by client, its subsidiante	ne opplieable opplieable ss.
Ifflates or successors arising out of or related to the performance of services incounted by Cardinal, regardless of windows such commits cases upon any of the soorse saude testings of uniformer in the hold RV: Reference RV: Reference RV: Phone Revenue Phon	Received Ry:	phone Result:	ult: □ Yes □ No Add'l Phone#:

Sample Condition
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No No No

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CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

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Date:

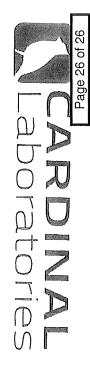
Time:

11-30-/8 Time: 11:25

> Fax Result: REMARKS:

> > ☐ Yes ☐ No Add'I Fax#:

Rush!



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: 14CN COE	And the programme of the control of	811.70		- 1	
21	P.O. #.	#			
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City: Arteson NM state: NM z	$\mathcal{N}_{\mathcal{M}}$ Zip: $\mathcal{S}_{\mathcal{M}}$ Attn:				
412-8768 Fax#:		ess:			
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FOR LAB USE ONLY	MATRIX PF	PRESERV. SAMPLING			
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Lab I.D. Sample I.D. 480 3515	G)RAB OR (C CONTAINER BROUNDWAT VASTEWATE COIL DIL SLUDGE DTHER : CID/BASE:	DE / COOL DTHER :	RTE TPH Chlor		
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1537 8					
16 153-10					
17 (53 - 12)					
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analyses. All dains including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and reserved by Cardinal within 30 days after camphilise of the applicable.	laim arising whether based in contract or tort, sha ned waived unless made in writing and received b	ill be limited to the amount paid by the c	lient for the		
service. In no event shall Cardinal be table for incidental or consequental damages, including without limitation, business interruptions, boss of use, or less of profits incurred by client, its subsidiaries, and incidental consequents and the performance of services because by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	hout limitation, business interruptions, loss of uce, nai, regardless of whether such dalm is based up	on any of the above stated reasons or o	ion of me applicable subsidiaries, stherwise		
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Time: //:25

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Rush!

Time: Date:

⁺ Cardinal cannot accont verhal chances Bleace for written chances to 15751 202_2226



January 21, 2019

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: 1009

Enclosed are the results of analyses for samples received by the laboratory on 12/20/18 14:05.

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.htm.

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

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B

Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2

Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2

Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

Celey D. Keene

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. Keene

Lab Director/Quality Manager



TALON LPE

Project: 1009

Reported: 21-Jan-19 10:07

408 W. TEXAS AVE. ARTESIA NM, 88210

Project Number: 700348.425.01

Project Manager: CHRIS JONES

Fax To: (575) 745-8905

BG - 0' H803741-01 Soil 20-Dec-18 00:00 20-Dec-18 14:05 BG - 1' H803741-02 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 4 - 5' H803741-03 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 4 - 6' H803741-04 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 6 - 3' H803741-05 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 6 - 4' H803741-06 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP6 - 5' H803741-07 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 11 - 2' H803741-08 Soil 20-Dec-18 00:00 20-Dec-18 14:05	-	Laboratory ID	Matrix	Date Sampled	Date Received
SP 4 - 5' H803741-03 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 4 - 6' H803741-04 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 6 - 3' H803741-05 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 6 - 4' H803741-06 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP6 - 5' H803741-07 Soil 20-Dec-18 00:00 20-Dec-18 14:05	BG - 0'	H803741-01	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 4 - 6' H803741-04 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 6 - 3' H803741-05 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 6 - 4' H803741-06 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP6 - 5' H803741-07 Soil 20-Dec-18 00:00 20-Dec-18 14:05	BG - 1'	H803741-02	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 6 - 3' H803741-05 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP 6 - 4' H803741-06 Soil 20-Dec-18 00:00 20-Dec-18 14:05 SP6 - 5' H803741-07 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP 4 - 5'	H803741-03	Soil	20-Dec-18 00:00	20-Dec-18 14:05
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SP6 - 5' H803741-07 Soil 20-Dec-18 00:00 . 20-Dec-18 14:05	SP 6 - 3'	H803741-05	Soil	20-Dec-18 00:00	20-Dec-18 14:05
5P0 - 5 10007 12 07 5011 20 Doo 19 00:00 00 Doo 19 00:00	SP 6 - 4'	H803741-06	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 11 - 2 ¹ H803741-08 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP6 - 5'	H803741-07	Soil	20-Dec-18 00:00	20-Dec-18 14:05
	SP 11 - 2'	H803741-08	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 11 - 3' H803741-09 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP 11 - 3'	H803741-09	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 11 - 4' H803741-10 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP 11 - 4'	H803741-10	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 13 - 3' H803741-11 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP 13 - 3'	H803741-11	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 14 - 3' H803741-12 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP 14 - 3'	H803741-12	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 15 - 3' H803741-13 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP 15 - 3'	H803741-13	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 16 - 3' H803741-14 Soil 20-Dec-18 00:00 20-Dec-18 14:05	SP 16 - 3'	H803741-14	Soil	20-Dec-18 00:00	20-Dec-18 14:05

Chlorides for samples -03 through -10 added as per David 01/21/19. This is the revised report with the additional chlorides. This report will replace the one sent on 12/28/18.

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TALON LPE

Project: 1009

Reported:

408 W. TEXAS AVE.

Project Number: 700348.425.01

21-Jan-19 10:07

ARTESIA NM, 88210

Project Manager: CHRIS JONES

Fax To: (575) 745-8905

BG - 0' H803741-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds				······································						
Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		101 %	73.3	-129	8122601	ms	26-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	21-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	21-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	21-Dec-18	8015B	
Surrogate: 1-Chlorooctane		·	95.6 %	41-	142	8122113	MS	21-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			95.5 %	37.6	-147	8122113	MS	21-Dec-18	8015B	

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TALON LPE

Project: 1009

Reported:

408 W. TEXAS AVE. ARTESIA NM, 88210 Project Number: 700348.425.01 Project Manager: CHRIS JONES 21-Jan-19 10:07

Fax To: (575) 745-8905

BG - 1' H803741-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122601	ms	26-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		101 %	73.3	-129	8122601	ms	26-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	28-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	28-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	28-Dec-18	8015B	
Surrogate: 1-Chlorooctane			78.2 %	41-	142	8122113	MS	28-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			75.3 %	37.6	-147	8122113	MS	28-Dec-18	8015B	

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TALON LPE

Project: 1009

Reported: 21-Jan-19 10:07

408 W, TEXAS AVE. ARTESIA NM, 88210

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

SP 4 - 5' H803741-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds l	by EPA Method	8021						· · · · · · · · · · · · · · · · · · ·		
Benzene*	3.57		2.00	mg/kg	2000	8122601	ms	26-Dec-18	8021B	
Toluene*	118		2.00	mg/kg	2000	8122601	ms	26-Dec-18	8021B	
Ethylbenzene*	41.3		2.00	mg/kg	2000	8122601	ms	26-Dec-18	8021B	
Total Xylenes*	310		6.00	mg/kg	2000	8122601	ms	26-Dec-18	8021B	
Total BTEX	473		12.0	mg/kg	2000	8122601	ms	26-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		110 %	73.3	-129	8122601	ms	26-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID				·			<u> </u>		
GRO C6-C10*	5730		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	992		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			132 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			101 %	37.6	-147	8122113	MS	22-Dec-18	8015B	

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

21-Jan-19 10:07

SP 4 - 6' H803741-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds			44.4486							
Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
Volatile Organic Compounds I	oy EPA Method	8021								-2-04-0-0-0-0-0
Benzene*	6.24		5.00	mg/kg	5000	8122601	ms	26-Dec-18	8021B	
Toluene*	181		5.00	mg/kg	5000	8122601	ms	26-Dec-18	8021B	
Ethylbenzene*	54.2		5.00	mg/kg	5000	8122601	ms	26-Dec-18	8021B	
Total Xylenes*	414		15.0	mg/kg	5000	8122601	ms	26-Dec-18	8021B	
Total BTEX	656		30.0	mg/kg	5000	8122601	ms	26-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		107 %	73.3	-129	8122601	ms	26-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	8380		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	1500		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			148 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			107 %	37.6	i-147	8122113	MS	22-Dec-18	8015B	

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

21-Jan-19 10:07

SP 6 - 3'

H803741-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories		i			
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	20.8		10.0	mg/kg	10000	8122601	ms	26-Dec-18	8021B	
Toluene*	491		10.0	mg/kg	10000	8122601	ms	26-Dec-18	8021B	
Ethylbenzene*	129		10.0	mg/kg	10000	8122601	ms	26-Dec-18	8021B	
Total Xylenes*	945		30.0	mg/kg	10000	8122601	ms	26-Dec-18	8021B	
Total BTEX	1590		60.0	mg/kg	10000	8122601	ms	26-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		108 %	73.3	-129	8122601	ms	26-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	18100		50.0	mg/kg	5	8122113	MS	26-Dec-18	8015B	
DRO >C10-C28*	2590		50.0	mg/kg	5	8122113	MS	26-Dec-18	8015B	
EXT DRO >C28-C36	<50.0		50.0	mg/kg	5	8122113	MS	26-Dec-18	8015B	
Surrogate: 1-Chlorooctane			190 %	41-	142	8122113	MS	26-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			112 %	37.6	5-147	8122113	MS	26-Dec-18	8015B	

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

21-Jan-19 10:07

SP 6 - 4' H803741-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds	***									
Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds I	oy EPA Method	8021								
Benzene*	7.66		5.00	mg/kg	5000	8122607	ms	27-Dec-18	8021B	QM-07, QR-03
Toluene*	223		5.00	mg/kg	5000	8122607	ms	27-Dec-18	8021B	QM-07
Ethylbenzene*	71.9		5.00	mg/kg	5000	8122607	ms	27-Dec-18	8021B	QM-07
Total Xylenes*	534		15.0	mg/kg	5000	8122607	ms	27-Dec-18	8021B	QM-07
Total BTEX	836		30.0	mg/kg	5000	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		105 %	73.3	-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	9750		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	1450		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO > C28-C36	10.8		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			149 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			107 %	37.6	-147	8122113	MS	22-Dec-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

21-Jan-19 10:07

SP6 - 5' H803741-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	0.082		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	0.930		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	0.306		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	2.31		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	3.63		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		107 %	73.3	-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID								<u> </u>	
GRO C6-C10*	39.8		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	39.8		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			93.2 %	41-	·142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			88.2 %	37.6	5-147	8122113	MS	22-Dec-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

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Reported:

21-Jan-19 10:07

SP 11 - 2' H803741-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	0.080		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (P)	ID)		99.9 %	73.3	-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122102	MS	21-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122102	MS	21-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122102	MS	21-Dec-18	8015B	
Surrogate: 1-Chlorooctane			96.2 %	41-	142	8122102	MS	21-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			94.6 %	37. <i>6</i>	5-147	8122102	MS	21-Dec-18	8015B	

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Project: 1009

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408 W. TEXAS AVE. ARTESIA NM, 88210 Project Number: 700348.425.01

Project Manager: CHRIS JONES

Fax To: (575) 745-8905

SP 11 - 3' H803741-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		100 %	73.3	-129	8122607	ms	27-Dec-18	. 8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			96.8 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			95.3 %	37.6	-147	8122113	MS	22-Dec-18	8015B	

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Project: 1009

Reported:

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Fax To: (575) 745-8905

SP 11 - 4' H803741-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
Volatile Organic Compounds 1	y EPA Method	8021								
Benzene*	<0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.3 %	73.3	-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			94.6 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			96.4 %	37.6	-147	8122113	MS	22-Dec-18	8015B	

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Reported:

21-Jan-19 10:07



Analytical Results For:

TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01

Fax To: (575) 745-8905

Project Manager: CHRIS JONES

SP 13 - 3'

H803741-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.3	1-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons by Go	C FID			ı						
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			93.4 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			92.3 %	37.6	5-147	8122113	MS	22-Dec-18	8015B	

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TALON LPE

Project: 1009

Reported:

408 W. TEXAS AVE. ARTESIA NM, 88210 Project Number: 700348.425.01

21-Jan-19 10:07

Project Manager: CHRIS JONES

Fax To: (575) 745-8905

SP 14 - 3' H803741-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		101 %	73.3	-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			95.9 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			94.8 %	37.6	-147	8122113	MS	22-Dec-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

21-Jan-19 10:07

SP 15 - 3' H803741-13 (Soil)

			Reporting							NT .
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds							*		0.000	
Chloride	64.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-CI-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.9 %	73.3	-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons by G	C FID		,							
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	I	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			98.2 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			96.8 %	37.6	-147	8122113	MS	22-Dec-18	8015B	

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Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported:

21-Jan-19 10:07

SP 16 - 3' H803741-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds						www.				
Chloride	32.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-C1-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	8122607	ms	27-Dec-18	8021B	
Surrogate: 4-Bromofluorobenzene (F	OIP)		101 %	73.3	-129	8122607	ms	27-Dec-18	8021B	
Petroleum Hydrocarbons b	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctane			96.8 %	41-	142	8122113	MS	22-Dec-18	8015B	
Surrogate: 1-Chlorooctadecane			95.8 %	37.6	-147	8122113	MS	22-Dec-18	8015B	

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01

Project Manager: CHRIS JONES Fax To: (575) 745-8905 Reported:

21-Jan-19 10:07

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122111 - General Prep - Wet Chem	- AMSIAT - S. C.							******		
Blank (8122111-BLK1)				Prepared &	k Analyzed:	21-Dec-18				
Chloride	ND	16.0	mg/kg							
LCS (8122111-BS1)				Prepared &	ኔ Analyzed:	21-Dec-18				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (8122111-BSD1)				Prepared &	k Analyzed:	21-Dec-18				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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TALON LPE

Project: 1009

Reported:

408 W. TEXAS AVE. ARTESIA NM, 88210 Project Number: 700348.425.01 Project Manager: CHRIS JONES 21-Jan-19 10:07

Fax To: (575) 745-8905

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	result	Luili	Units	Level	Resuit	70KEU	LIIIIIIS	KPD	LIIIII	Notes
Batch 8122601 - Volatiles										46W-5W-
Blank (8122601-BLK1)				Prepared &	Analyzed:	26-Dec-18	1			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.103		mg/kg	0.100		103	73.3-129			
LCS (8122601-BS1)				Prepared &	Analyzed:	26-Dec-18	1			
Benzene	1.90	0.050	mg/kg	2.00		94.8	72.2-131			
Toluene	1.88	0.050	mg/kg	2.00		94.2	71.7-126			
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.6	68.9-126			
Total Xylenes	5.86	0.150	mg/kg	6.00		97.7	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0973		mg/kg	0.100		97.3	73.3-129		-	
LCS Dup (8122601-BSD1)				Prepared &	Analyzed:	26-Dec-18	.			
Benzene	2.30	0.050	mg/kg	2.00		115	72.2-131	19.4	6.91	QR-02
Toluene	2.30	0.050	mg/kg	2.00		115	71.7-126	19.9	7.12	QR-02
Ethylbenzene	2.28	0.050	mg/kg	2.00		114	68.9-126	19.6	7.88	QR-02
Total Xylenes	7.11	0.150	mg/kg	6.00		119	71.4-125	19.3	7.46	QR-02
Surrogate: 4-Bromofluorobenzene (PID)	0.0993		mg/kg	0.100		99.3	73.3-129			
Batch 8122607 - Volatiles										
Blank (8122607-BLK1)				Prepared &	: Analyzed:	26-Dec-18	,			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.101		mg/kg	0.100		101	73.3-129			

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408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

Reported: 21-Jan-19 10:07

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122607 - Volatiles										
LCS (8122607-BS1)				Prepared &	k Analyzed:	26-Dec-18	1			
Benzene	2.01	0.050	mg/kg	2.00		100	72.2-131			
Toluene	1.95	0.050	mg/kg	2.00		97.7	71.7-126			
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	68.9-126			
Total Xylenes	6.04	0.150	mg/kg	6.00		101	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0971		mg/kg	0.100		97.1	73.3-129			
LCS Dup (8122607-BSD1)				Prepared &	k Analyzed:	26-Dec-18	3			
Benzene	2.35	0.050	mg/kg	2.00		117	72.2-131	15.6	6.91	QR-02
Toluene	2.30	0.050	mg/kg	2.00		115	71.7-126	16.0	7.12	QR-02
Ethylbenzene	2.29	0.050	mg/kg	2.00		114	68.9-126	15.4	7.88	QR-02
Total Xylenes	7.05	0.150	mg/kg	6.00		118	71.4-125	15.5	7.46	QR-02
Surrogate: 4-Bromofluorobenzene (P1D)	0.0969		mg/kg	0.100		96.9	73.3-129			

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TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

lanager: CHRIS JONES Fax To: (575) 745-8905 Reported: 21-Jan-19 10:07

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	27.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 8122102 - General Prep - Organics										
Blank (8122102-BLK1)				Prepared &	z Analyzed:	21-Dec-18				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	41-142			
Surrogate: 1-Chlorooctadecane	47.8		mg/kg	50.0		95.7	37.6-147			
LCS (8122102-BS1)				Prepared &	z Analyzed:	21-Dec-18	3			
GRO C6-C10	199	10.0	mg/kg	200		99.4	76.5-133			
DRO >C10-C28	221	10.0	mg/kg	200		111	72.9-138			
Total TPH C6-C28	420	10.0	mg/kg	400		105	78-132			
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	41-142			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.6	37.6-147			
LCS Dup (8122102-BSD1)				Prepared &	k Analyzed:	21-Dec-18	3			
GRO C6-C10	201	10,0	mg/kg	200		100	76.5-133	1.11	20.6	
DRO >C10-C28	227	10.0	mg/kg	200		113	72.9-138	2.44	20.6	
Total TPH C6-C28	428	10.0	mg/kg	400		107	78-132	1.82	18	
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	41-142			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.6	37.6-147			
Batch 8122113 - General Prep - Organics										
Blank (8122113-BLK1)				Prepared &	& Analyzed	21-Dec-1	8			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.9		mg/kg	50.0		95.7	41-142			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.5	37.6-147			

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Analytical Results For:

TALON LPE

408 W. TEXAS AVE. ARTESIA NM, 88210 Project: 1009

Project Number: 700348.425.01 Project Manager: CHRIS JONES

Fax To: (575) 745-8905

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Reported:

21-Jan-19 10:07

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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 8122113 - General Prep - Organics		****								
LCS (8122113-BS1)				Prepared: 2	21-Dec-18 A	Analyzed: 2	22-Dec-18			
GRO C6-C10	209	10.0	mg/kg	200		104	76.5-133			
DRO >C10-C28	264	10.0	mg/kg	200		132	72.9-138			
Total TPH C6-C28	473	10.0	mg/kg	400		118	78-132			
Surrogate: 1-Chlorooctane	54.0		mg/kg	50.0		108	41-142			
Surrogate: 1-Chlorooctadecane	54.6		mg/kg	50.0		109	37.6-147			
LCS Dup (8122113-BSD1)				Prepared &	& Analyzed:	21-Dec-18	3			
GRO C6-C10	202	10.0	mg/kg	200		101	76.5-133	3.58	20.6	
DRO >C10-C28	215	10.0	mg/kg	200		108	72.9-138	20.5	20.6	
Total TPH C6-C28	417	10.0	mg/kg	400		104	78-132	12.7	18	
Surrogate: 1-Chlorooctane	52.6		mg/kg	50.0		105	41-142			
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	37.6-147			

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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Celly & Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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