

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 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	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jon E. Fields

Title: Director, Field Environmental

Signature: 

Date: 1-28-19

email: jefields@eprod.com

Telephone: 713-381-6684

OCD Only

Received by: _____

Date: _____

Incident ID	
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Remediation Plan

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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: jefields@eprod.com

Title: Director, Field Environmental

Signature: 

Date: 1-28-19

email: jefields@eprod.com

Telephone: 713-381-6684

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____

Date: _____

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Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Jon E. Fields

Title: Director, Field Environmental

Signature: 

Date:

1-28-19

email: jefields@eprod.com

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 remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____

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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 (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (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 ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT (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	1	<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
B3	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

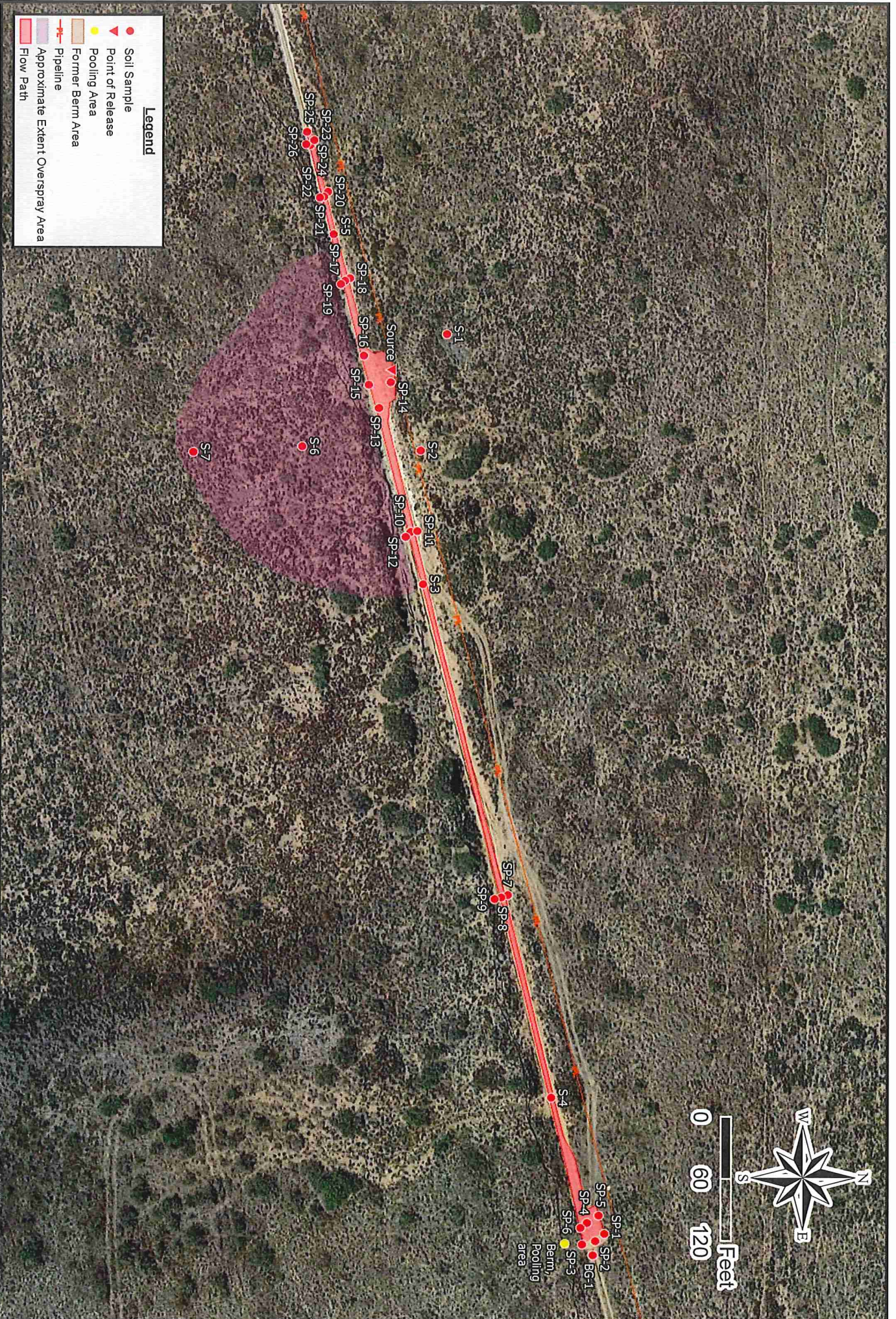
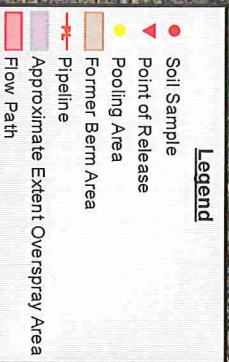
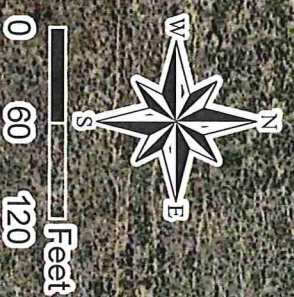
David J. Adkins
District Manager

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
1 in = 120 ft
Drafted By: IJM

Enterprise 1009
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 file.)

(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 Number	Code	POD Sub-basin	County	Q Q Q	64 16 4 Sec Tws Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01701 POD1	CP	LE		1 3 35	21S 32E	626652	3589283	1197	840	560	280

Average Depth to Water: 560 feet

Minimum Depth: 560 feet

Maximum Depth: 560 feet

Record Count: 1

UTM NAD83 Radius Search (in meters):

Easting (X): 627552

Northing (Y): 3588493

Radius: 3000

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 file.)

(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 Number	Code	POD Sub-basin	County	Q 6	Q 4	Q 16	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01701 POD1	CP	LE		1	3	35	21S	32E		626652	3589283	1197	840	560	280
C 02821	C	LE		2	2	3	14	22S	32E	627303	3584563*	3937	540	340	200
C 02096	CUB	ED		2	3	14	22S	32E		627204	3584464*	4044	435	360	75
C 03717 POD1	C	LE		4	4	1	09	22S	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

*UTM location was derived from PLSS - see Help

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

1/27/19 5:40 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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

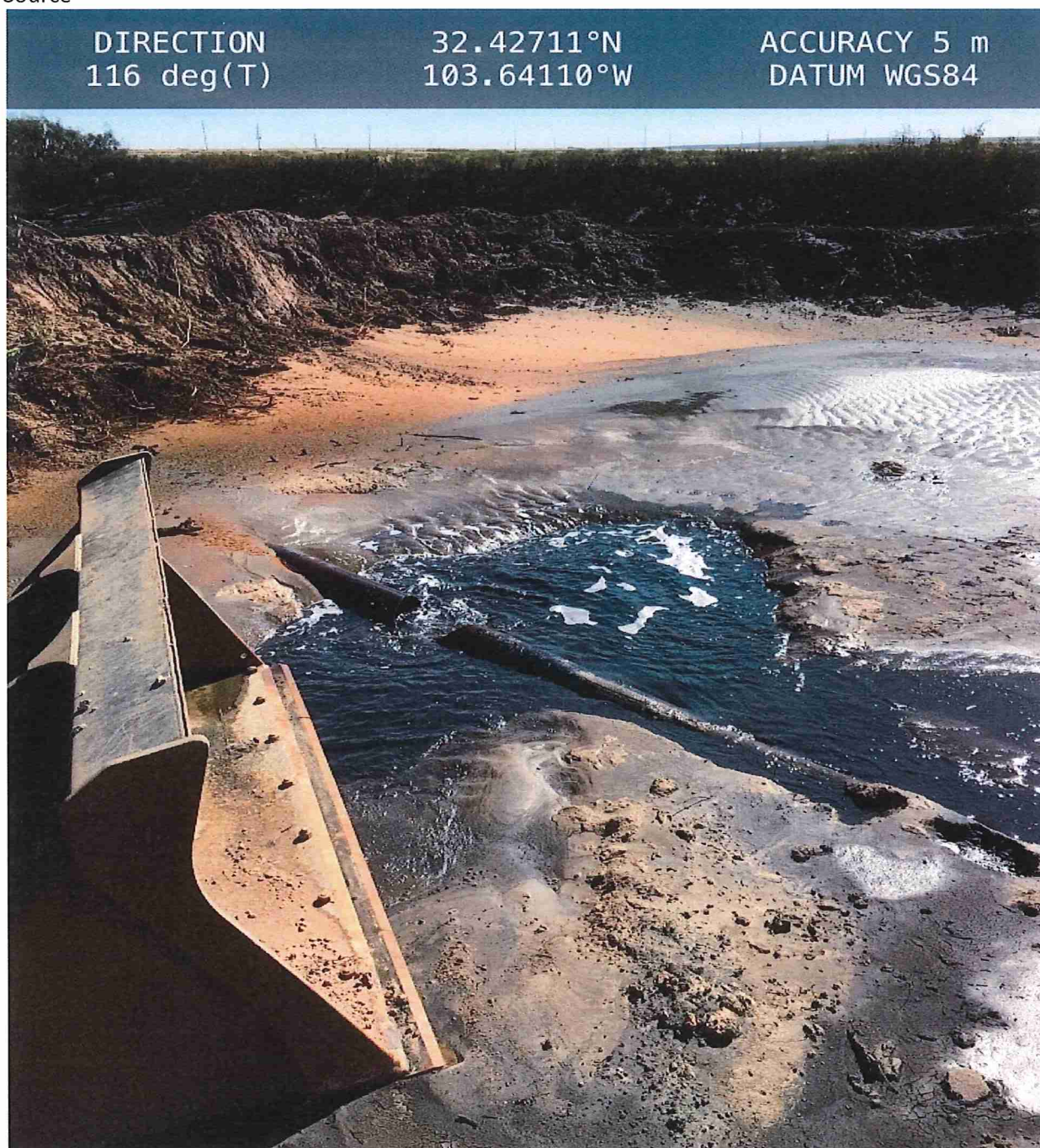
Survey Area Data: Version 15, Sep 12, 2018

APPENDIX III

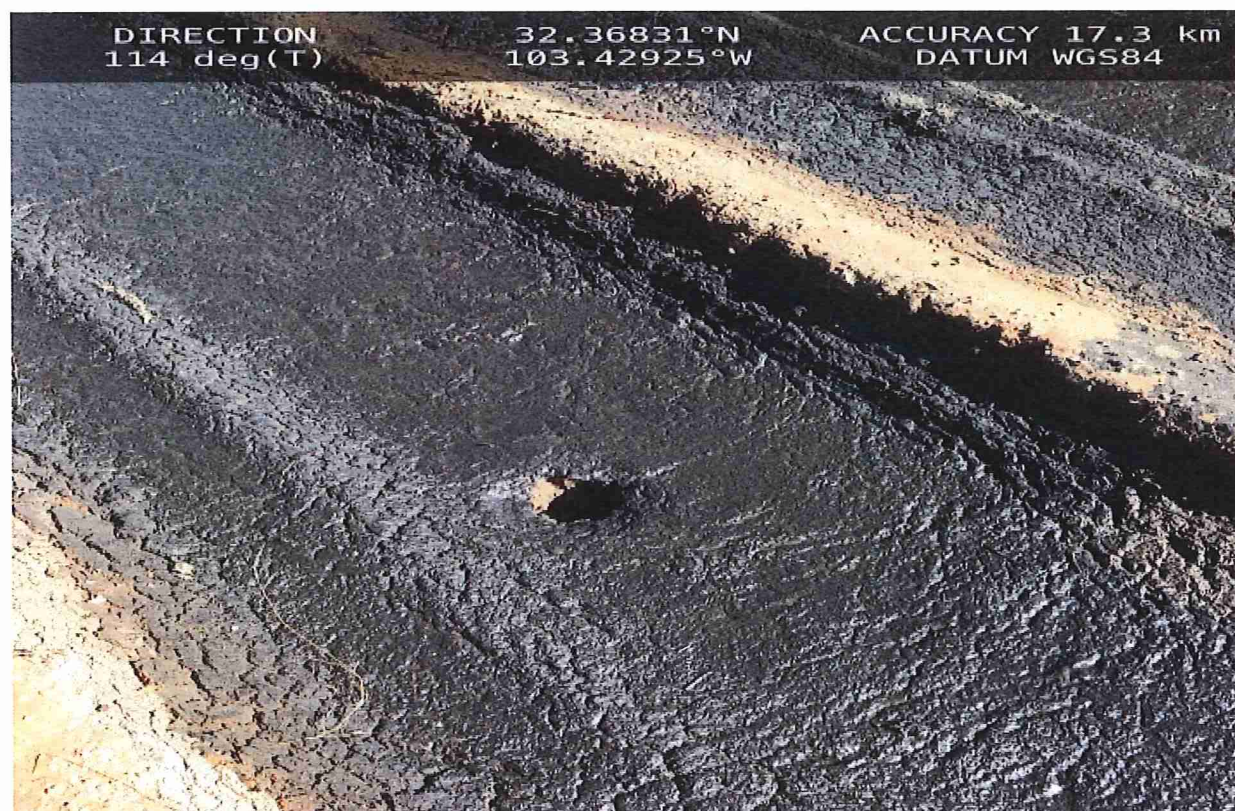
PHOTOGRAPHS

Initial Release Photos

Source



Example Flow Path

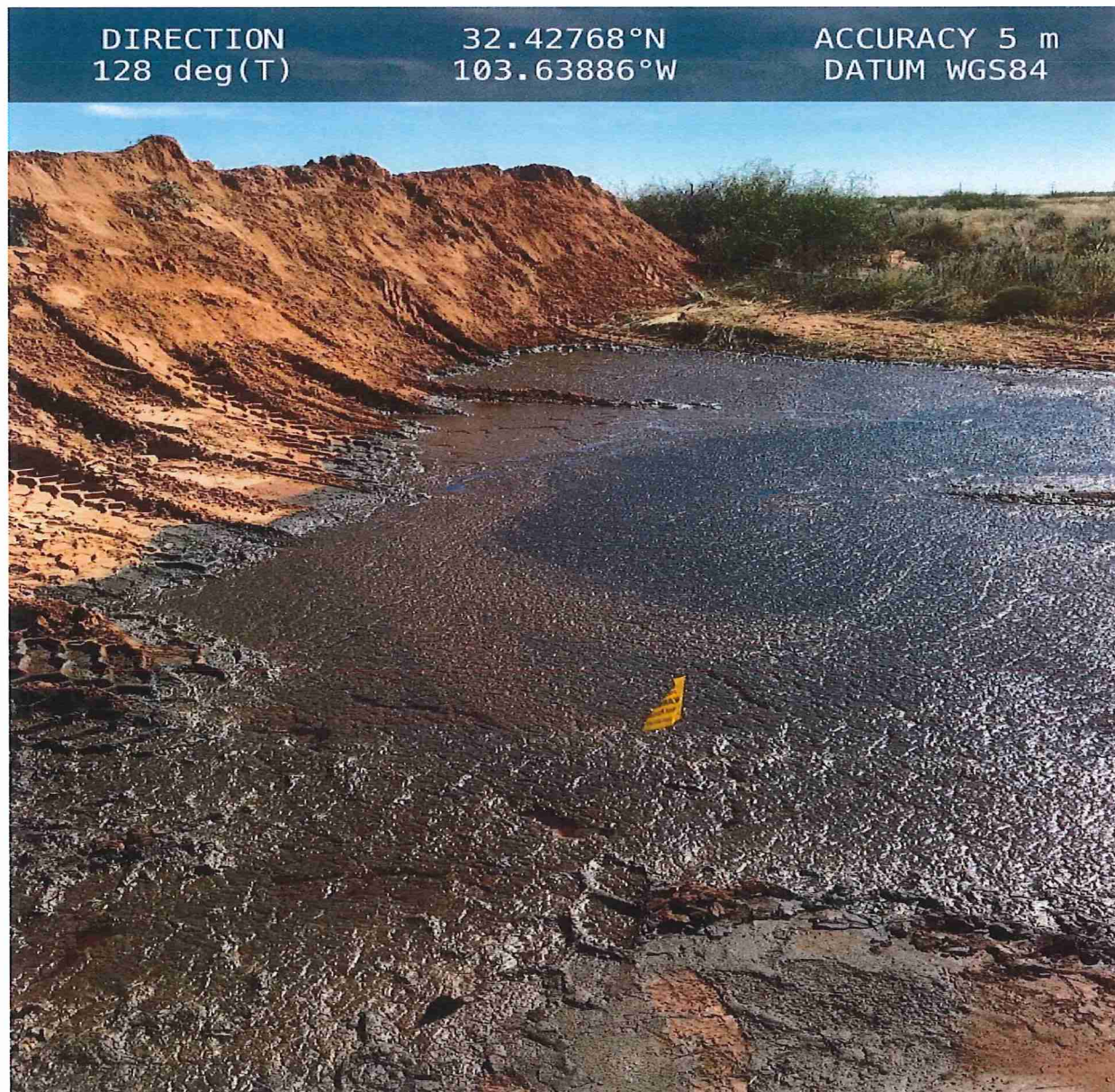




Overspray Area



Pooling Area Northeast



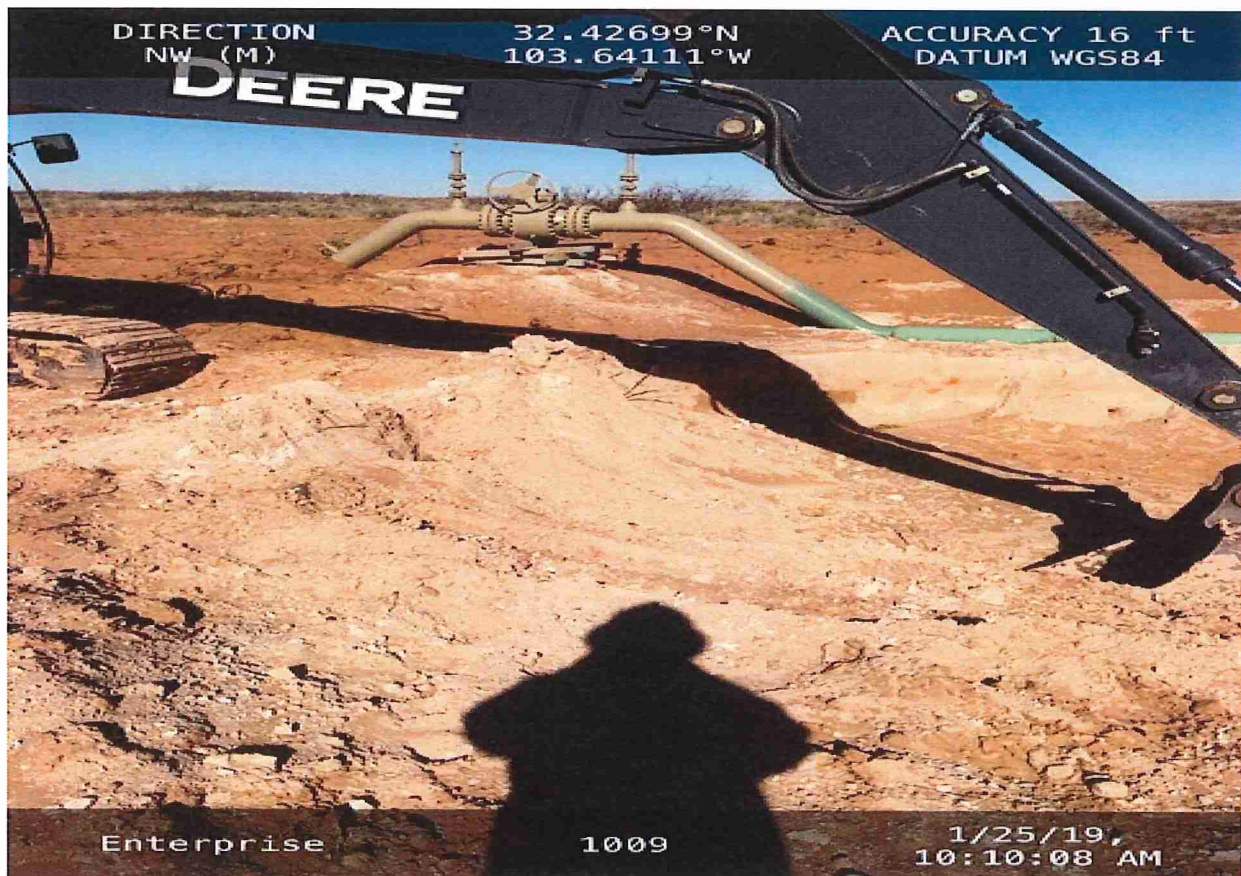
Remediation Photos

Excavation Pooling Area



Excavation Source Area





Excavation Flow Paths, Note Benching Side Walls



DIRECTION
E (M)

32.42728°N
103.64018°W

ACCURACY 16 ft
DATUM WGS84



Enterprise

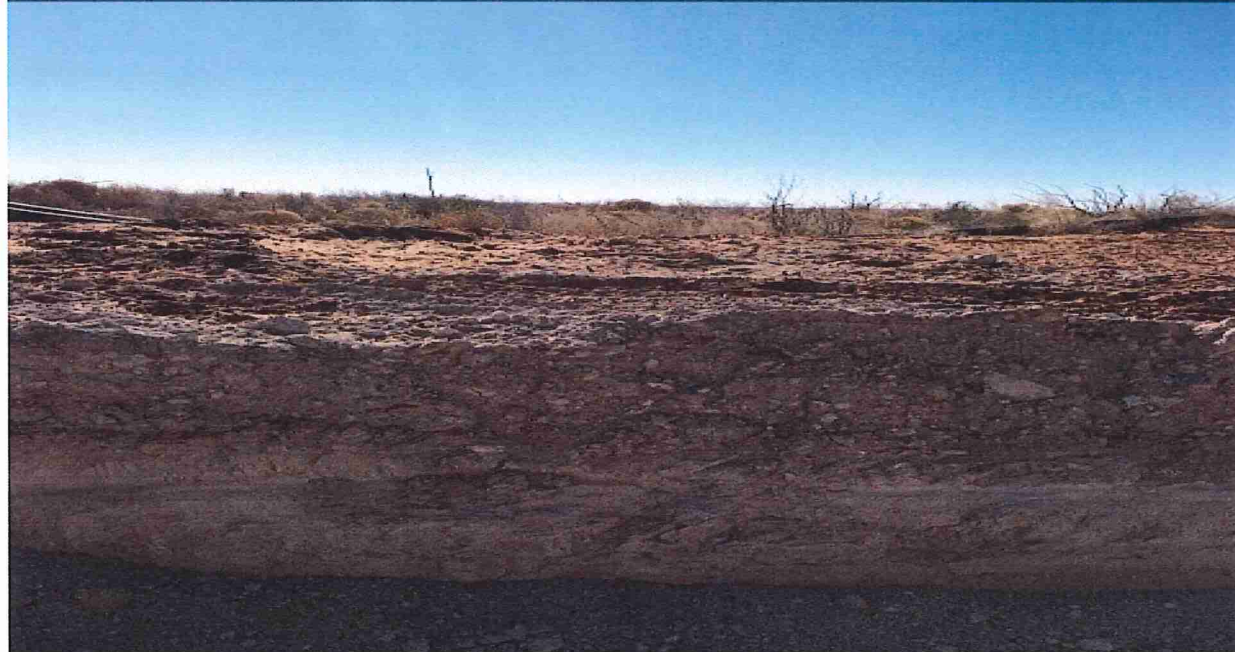
1009

1/25/19,
10:12:12 AM

DIRECTION
S (M)

32.42764°N
103.63879°W

ACCURACY 16 ft
DATUM WGS84

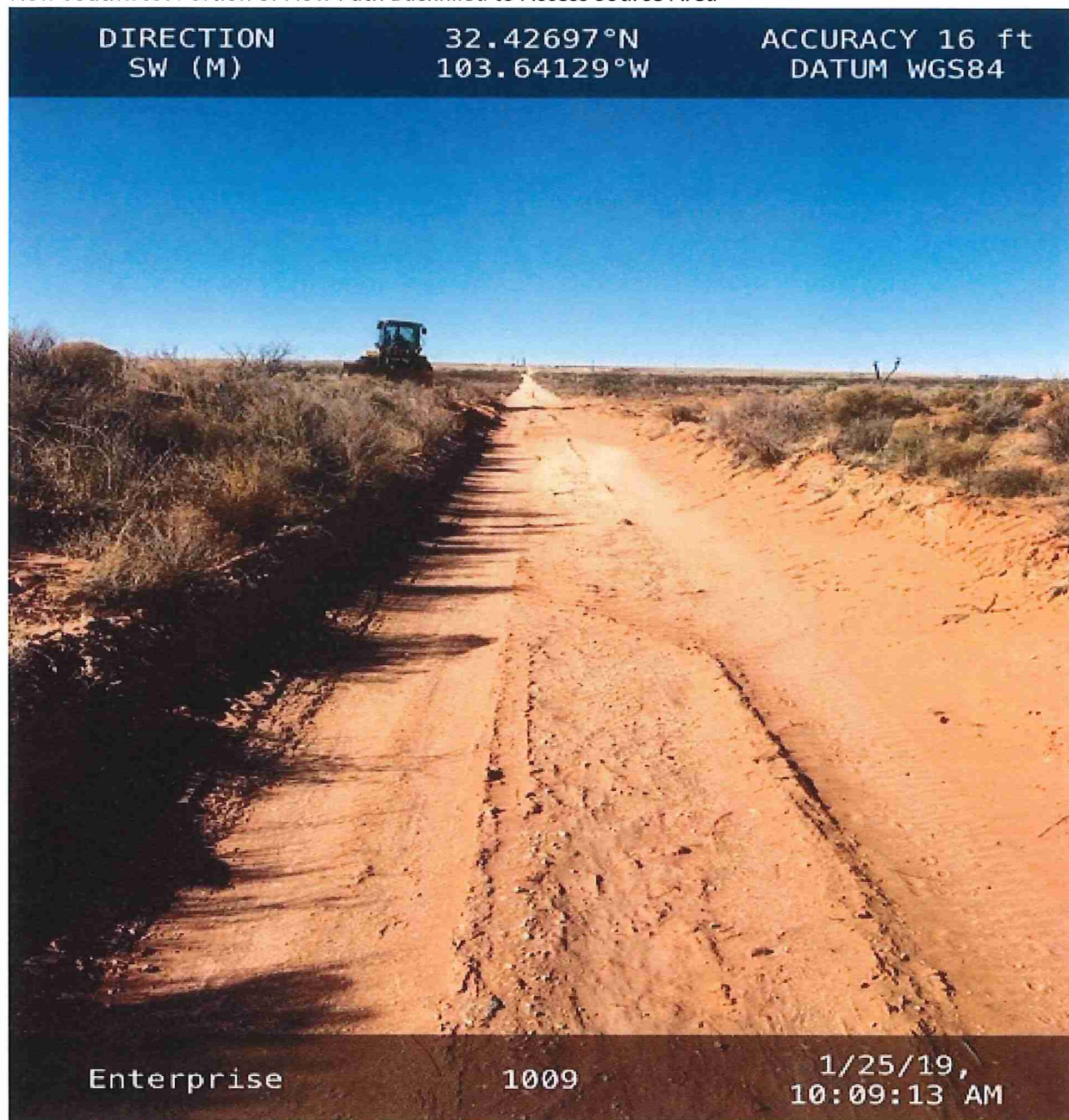


Enterprise

1009

1/25/19,
10:14:26 AM

View Southwest Portion of Flow Path Backfilled to Access Source Area



DIRECTION
SW (M)

32.42697°N
103.64129°W

ACCURACY 16 ft
DATUM WGS84

Enterprise

1009

1/25/19,
10:09:13 AM

APPENDIX IV
LABORATORY REPORTS



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

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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	2.12	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 (PIL) 98.0 % 69.8-142

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		Analyzed 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					

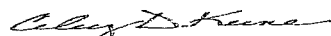
Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 98.0 % 37.6-147

*—Accredited Analyte

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

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	2.12	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 (PIE) 97.6 % 69.8-142

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	Analyzed 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					

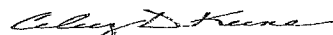
Surrogate: 1-Chlorooctane 85.6 % 41-142

Surrogate: 1-Chlorooctadecane 92.6 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

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	2.12	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 % 69.8-142

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		Analyzed 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					

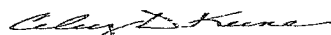
Surrogate: 1-Chlorooctane 74.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.1 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

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	2.12	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 (PIE) 99.8 % 69.8-142

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		Analyzed 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					

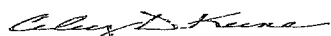
Surrogate: 1-Chlorooctane 89.7 % 41-142

Surrogate: 1-Chlorooctadecane 97.3 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

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*	0.109	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 (PIE) 104 % 69.8-142

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	Analyzed 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					

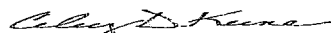
Surrogate: 1-Chlorooctane 84.4 % 41-142

Surrogate: 1-Chlorooctadecane 93.7 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<0.300	0.300	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.6 % 69.8-142

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		Analyzed 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					

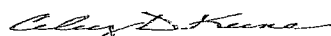
Surrogate: 1-Chlorooctane 83.0 % 41-142

Surrogate: 1-Chlorooctadecane 90.8 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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 (PIE) 101 % 69.8-142

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		Analyzed 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					

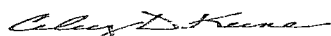
Surrogate: 1-Chlorooctane 84.3 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: 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 % 69.8-142

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		Analyzed 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					

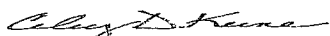
Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 96.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTEX 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 (PIE) 113 % 69.8-142

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	Analyzed 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						

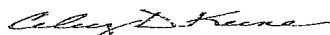
Surrogate: 1-Chlorooctane 245 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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 (PIE) 100 % 69.8-142

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	Analyzed 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					

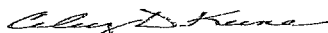
Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 94.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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- 3 3' (H803119-11)

BTX 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 BTX	<0.300	0.300	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 69.8-142

Chloride, SM4500Cl-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		Analyzed 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					

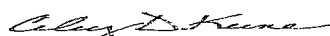
Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 95.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTEX 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 (PIE) 109 % 69.8-142

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	Analyzed 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					

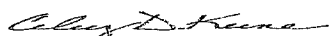
Surrogate: 1-Chlorooctane 178 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

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*	0.060	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 (PIE) 102 % 69.8-142

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	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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 % 37.6-147

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Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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*	0.265	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 % 69.8-142

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	Analyzed 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					

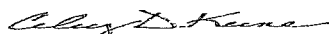
Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 95.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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 (PIE) 99.1 % 69.8-142

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		Analyzed 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					

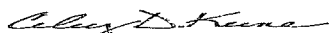
Surrogate: 1-Chlorooctane 94.9 % 41-142

Surrogate: 1-Chlorooctadecane 91.3 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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- 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 % 69.8-142

Chloride, SM4500Cl-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		Analyzed 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						

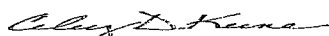
Surrogate: 1-Chlorooctane 697 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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*	0.802	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 (PIE) 133 % 69.8-142

Chloride, SM4500Cl-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	Analyzed 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					

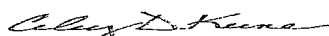
Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 99.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed 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 BTX	9.62	0.300	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 117 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		Analyzed 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					

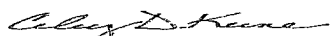
Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 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*	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 BTX	206	12.0	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		Analyzed 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						

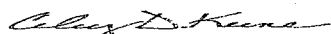
Surrogate: 1-Chlorooctane 220 % 41-142

Surrogate: 1-Chlorooctadecane 141 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg	Analyzed 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 BTX	31.1	3.00	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 69.8-142

Chloride, SM4500Cl-B		mg/kg	Analyzed 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	Analyzed 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						

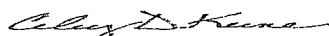
Surrogate: 1-Chlorooctane 151 % 41-142

Surrogate: 1-Chlorooctadecane 121 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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 (PIC) 100 % 69.8-142

Chloride, SM4500Cl-B			mg/kg		Analyzed 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		Analyzed 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					

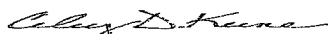
Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 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*	0.095	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 BTX	<0.300	0.300	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.0 % 69.8-142

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		Analyzed 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					

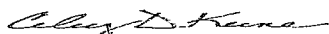
Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 99.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<0.300	0.300	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.8 % 69.8-142

Chloride, SM4500Cl-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		Analyzed 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					

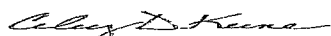
Surrogate: 1-Chlorooctane 90.8 % 41-142

Surrogate: 1-Chlorooctadecane 90.7 % 37.6-147

Cardinal Laboratories

*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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 0' (H803119-24)

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*	0.136	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 (PIC) 99.6 % 69.8-142

Chloride, SM4500Cl-B			mg/kg		Analyzed 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		Analyzed 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					

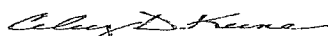
Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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	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 BTX	0.312	0.300	11/02/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		Analyzed 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					

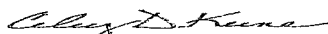
Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

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		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	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 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		Analyzed 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					

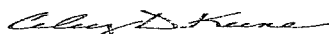
Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 99.6 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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: Cool & Intact
Sample Received By: Tamara Oldaker

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

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	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 (PIE) 100 % 69.8-142

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		Analyzed 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					

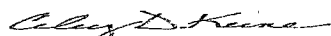
Surrogate: 1-Chlorooctane 97.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

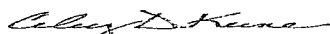
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

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

† Cardinal cannot accept verbal changes. Please fix written changes to (K75) 303-2326

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

+ Cardinal cannot accept verbal changes. Please for written changes to LE7C1 303-3336

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

* Cardinal cannot accept verbal. Please for written changes to (575) 303-2326



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

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/21/2018
 Reported: 11/29/2018
 Project Name: ENTERPRISE PIPELINE #1009
 Project Number: 700348.425.01
 Project Location: ENTERPRISE - LEA CO NM

 Sampling Date: 11/20/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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	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 (PIE) 99.3 % 73.3-129

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	0.00	

TPH 8015M			mg/kg		Analyzed 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					

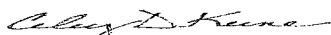
Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 88.6 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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)

BTX 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	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 BTX	<0.300	0.300	11/28/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.9 % 73.3-129

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	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed 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					

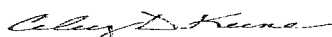
Surrogate: 1-Chlorooctane 88.4 % 41-142

Surrogate: 1-Chlorooctadecane 90.4 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

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		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	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 (PIE) 94.5 % 73.3-129

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	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed 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					

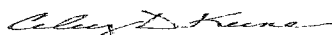
Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 88.3 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/21/2018
 Reported: 11/29/2018
 Project Name: ENTERPRISE PIPELINE #1009
 Project Number: 700348.425.01
 Project Location: ENTERPRISE - LEA CO NM

 Sampling Date: 11/20/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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	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 (PIE) 92.5 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed 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		Analyzed 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					

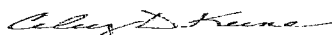
Surrogate: 1-Chlorooctane 87.0 % 41-142

Surrogate: 1-Chlorooctadecane 92.6 % 37.6-147

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* = Accredited Analyte

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Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 3 - 1' (H803425-05)

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	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 % 73.3-129

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	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed 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					

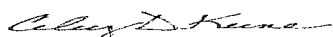
Surrogate: 1-Chlorooctane 86.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 3 - 2' (H803425-06)

BTX 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	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 BTX	0.490	0.300	11/28/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.9 % 73.3-129

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	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed 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					

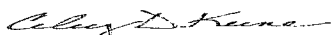
Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 90.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 4 - 1' (H803425-07)

BTX 8021B		mg/kg		Analyzed 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 BTX	180	3.00	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 155 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		Analyzed 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					

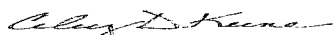
Surrogate: 1-Chlorooctane 123 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 4 - 2' (H803425-08)

BTX 8021B		mg/kg		Analyzed 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 BTX	229	3.00	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 169 % 73.3-129

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	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed 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					

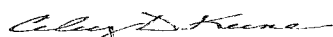
Surrogate: 1-Chlorooctane 152 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/21/2018
 Reported: 11/29/2018
 Project Name: ENTERPRISE PIPELINE #1009
 Project Number: 700348.425.01
 Project Location: ENTERPRISE - LEA CO NM

 Sampling Date: 11/20/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

BTX 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*	0.051	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 BTX	0.346	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.4 % 73.3-129

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		Analyzed 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

Surrogate: 1-Chlorooctadecane 95.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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*	0.276	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 BTX	0.802	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.7 % 73.3-129

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		Analyzed 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					

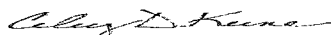
Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 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 % 73.3-129

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		Analyzed 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					

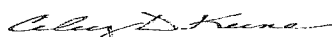
Surrogate: 1-Chlorooctane 167 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.94	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 (PIE) 195 % 73.3-129

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	Analyzed By: MS						
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					

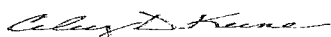
Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 98.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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*	<0.050	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 (PIE) 99.5 % 73.3-129

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		Analyzed 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					

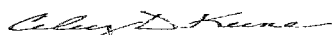
Surrogate: 1-Chlorooctane 90.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.8 % 37.6-147

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Cately D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 7 - 2' (H803425-14)

BTX 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 BTX	1.32	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.3 % 73.3-129

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		Analyzed 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					

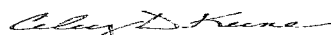
Surrogate: 1-Chlorooctane 89.1 % 41-142

Surrogate: 1-Chlorooctadecane 95.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/21/2018
 Reported: 11/29/2018
 Project Name: ENTERPRISE PIPELINE #1009
 Project Number: 700348.425.01
 Project Location: ENTERPRISE - LEA CO NM

 Sampling Date: 11/20/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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	11/29/2018	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 (PIE) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed 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	Analyzed 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					

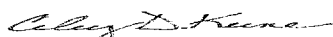
Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 99.6 % 37.6-147

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Analytical Results For:

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- 8 - 2' (H803425-16)

BTX 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*	<0.050	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 BTX	<0.300	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.4 % 73.3-129

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	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed 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					

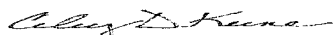
Surrogate: 1-Chlorooctane 87.4 % 41-142

Surrogate: 1-Chlorooctadecane 94.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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- 9 - 1' (H803425-17)

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*	<0.050	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 (PIE) 98.0 % 73.3-129

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		Analyzed 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					

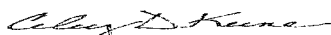
Surrogate: 1-Chlorooctane 82.8 % 41-142

Surrogate: 1-Chlorooctadecane 89.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 9 - 2' (H803425-18)

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*	<0.050	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 % 73.3-129

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		Analyzed 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					

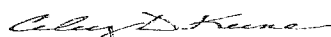
Surrogate: 1-Chlorooctane 89.5 % 41-142

Surrogate: 1-Chlorooctadecane 95.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 10 - 2' (H803425-19)

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*	0.172	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 % 73.3-129

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		Analyzed 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					

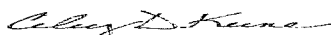
Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 11 - 1' (H803425-20)

BTEx 8021B		mg/kg		Analyzed 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 % 73.3-129

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		Analyzed 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					

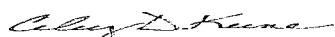
Surrogate: 1-Chlorooctane 151 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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*	<0.050	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 BTX	<0.300	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.9 % 73.3-129

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		Analyzed 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					

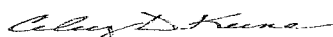
Surrogate: 1-Chlorooctane 87.4 % 41-142

Surrogate: 1-Chlorooctadecane 94.5 % 37.6-147

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 12 - 2' (H803425-22)

BTX 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 BTX	0.740	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

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		Analyzed 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					

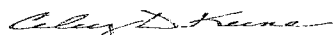
Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
CHRIS JONES
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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- 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 (PIE) 159 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
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		Analyzed 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					

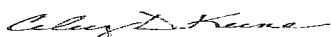
Surrogate: 1-Chlorooctane 176 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/21/2018
 Reported: 11/29/2018
 Project Name: ENTERPRISE PIPELINE #1009
 Project Number: 700348.425.01
 Project Location: ENTERPRISE - LEA CO NM

 Sampling Date: 11/20/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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	Qualifier
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 (PIE) 126 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/29/2018	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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					

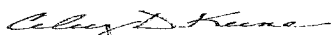
Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 92.1 % 37.6-147

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Coley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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*	<0.050	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 % 73.3-129

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	Analyzed 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					

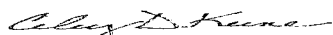
Surrogate: 1-Chlorooctane 87.0 % 41-142

Surrogate: 1-Chlorooctadecane 87.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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*	<0.050	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 BTX	<0.300	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.3 % 73.3-129

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		Analyzed 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					

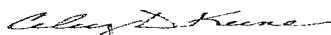
Surrogate: 1-Chlorooctane 87.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

BTX 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 BTX	<0.300	0.300	11/28/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 73.3-129

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		Analyzed 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					

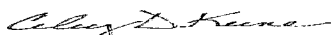
Surrogate: 1-Chlorooctane 85.3 % 41-142

Surrogate: 1-Chlorooctadecane 85.3 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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- 19 - 2' (H803425-28)

BTX 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 BTX	<0.300	0.300	11/28/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 73.3-129

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		Analyzed 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					

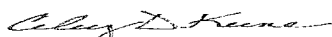
Surrogate: 1-Chlorooctane 89.8 % 41-142

Surrogate: 1-Chlorooctadecane 96.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/21/2018
 Reported: 11/29/2018
 Project Name: ENTERPRISE PIPELINE #1009
 Project Number: 700348.425.01
 Project Location: ENTERPRISE - LEA CO NM

 Sampling Date: 11/20/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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 (PIE) 107 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed 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					

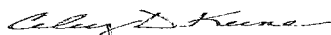
Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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) 105 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed 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					

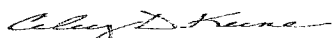
Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 91.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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 (PIE) 107 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed 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					

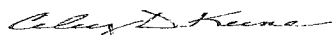
Surrogate: 1-Chlorooctane 83.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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 (PIE) 104 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed 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					

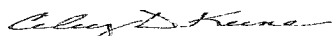
Surrogate: 1-Chlorooctane 89.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: 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 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed 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					

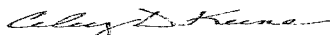
Surrogate: 1-Chlorooctane 91.7 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 11/21/2018
Reported: 11/29/2018
Project Name: ENTERPRISE PIPELINE #1009
Project Number: 700348.425.01
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 11/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

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 (PIC) 105 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed 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					

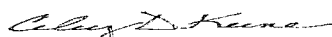
Surrogate: 1-Chlorooctane 90.6 % 41-142

Surrogate: 1-Chlorooctadecane 95.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 23 - 2' (H803425-39)

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	2.23	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 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed 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					

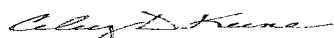
Surrogate: 1-Chlorooctane 90.7 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 24 - 1' (H803425-35)

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	2.23	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 (PIE) 104 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed 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					

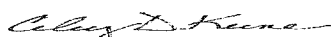
Surrogate: 1-Chlorooctane 97.8 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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- 24 - 2' (H803425-36)

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	2.23	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 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed 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					

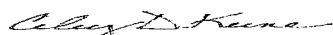
Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 93.0 % 37.6-147

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*==Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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- 25 - 2' (H803425-37)

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	2.23	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 (PIE) 104 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed 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					

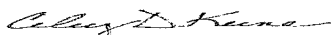
Surrogate: 1-Chlorooctane 91.5 % 41-142

Surrogate: 1-Chlorooctadecane 99.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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)

BTX 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	2.23	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 BTX	<0.300	0.300	11/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 73.3-129

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	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed 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					

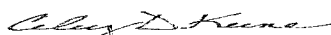
Surrogate: 1-Chlorooctane 87.3 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager


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 recovery.
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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*=Accredited Analyte

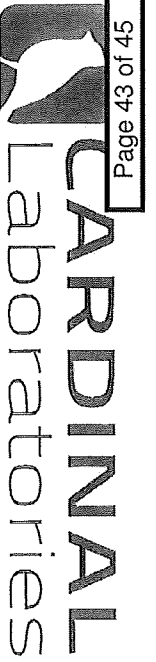
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Celey D. Keene, Lab Director/Quality Manager

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

+ Cardinal cannot accept verbal changes Please for written changes to 15751303-2326



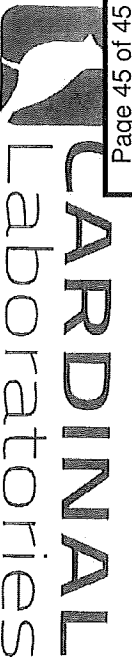
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Tolson US</u>		P.O. #:		BILL TO ANALYSIS REQUEST									
Project Manager: <u>Chris Jones</u>		Company:											
Address: <u>408 W Texas Ave</u>		Attn:											
City: <u>Alamogordo</u>		Address:											
Phone #: <u>575-746-8765</u>		City:											
Project #: <u>700 34X. 425.2</u>		State: <u>NM</u>		Zip: <u>88210</u>									
Project Name: <u>Pipeline</u>		Project Owner: <u>Enterprise</u>		State:		Zip:							
Project Location: <u>El Paso County</u>		Phone #:											
Sampler Name: <u>Chris Jones</u>		Fax #:											
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING			
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE		TIME	
<u>HS03425</u>	<u>SP-6-1'</u>									<u>11:30</u>			
<u>11</u>	<u>SP-6-2'</u>												
<u>12</u>	<u>SP-6-2'</u>												
<u>13</u>	<u>SP-7-1'</u>												
<u>14</u>	<u>SP-7-2'</u>												
<u>15</u>	<u>SP-8-1'</u>												
<u>16</u>	<u>SP-8-2'</u>												
<u>17</u>	<u>SP-9-1'</u>												
<u>18</u>	<u>SP-9-2'</u>												
<u>19</u>	<u>SP-10-2'</u>												
<u>20</u>	<u>SP-11-1'</u>												
RECEIVED BY: <u>[Signature]</u>		DATE: <u>11-21-18</u>		TIME: <u>14:00</u>		RECEIVED BY: <u>[Signature]</u>		DATE: <u>11-21-18</u>		TIME: <u>14:00</u>			
DELIVERED BY: (Circle One)		Cool <input checked="" type="checkbox"/> Impact <input checked="" type="checkbox"/>		Sample Condition		CHECKED BY: <u>[Signature]</u>		DATE: <u>11-21-18</u>		TIME: <u>14:00</u>			
SAMPLER - UPS - BUS - OTHER: <u>3.1c #97</u>		Cool <input checked="" type="checkbox"/> Impact <input checked="" type="checkbox"/>		Sample Condition		CHECKED BY: <u>[Signature]</u>		DATE: <u>11-21-18</u>		TIME: <u>14:00</u>			
REMARKS:		<p><u>BTEX</u></p> <p><u>TPH (EXT)</u></p> <p><u>Chloride</u></p>											

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

+ Cardinal cannot verbal changes Please fax written changes to (575) 302-2226



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>THOR LP</u>		P.O. #:		ANALYSIS REQUEST																					
Project Manager: <u>Chris Sauer</u>		Company:																							
Address: <u>408 W 1st St</u>		Attn:																							
City: <u>Alameda</u>		Address:																							
Phone #: <u>575-746-8768</u>		City:																							
Fax #: <u></u>		State:																							
Project #: <u>700,348.425.61</u>		Zip:																							
Project Owner: <u>Enterprise</u>		Phone #:																							
Project Name: <u>Pipeline</u>		Fax #:																							
Project Location: <u>Elk Creek</u>																									
Sampler Name: <u>David Sauer</u>																									
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME													
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE					OTHER :	ACID/BASE:	ICE / COOL	OTHER :									
<u>H803425</u>	<u>SP-21-1'</u>										<u>11/20</u>			<u>BTEX</u>											
<u>31</u>	<u>SP-21-2'</u>													<u>TPH (Ext)</u>											
<u>32</u>	<u>SP-22-2'</u>													<u>Chloride</u>											
<u>33</u>	<u>SP-23-1'</u>																								
<u>34</u>	<u>SP-24-1'</u>																								
<u>35</u>	<u>SP-24-2'</u>																								
<u>36</u>	<u>SP-25-2'</u>																								
<u>37</u>	<u>SP-26-1'</u>																								
<u>38</u>	<u>SP-23-2'</u>																								
<u>39</u>	<u>SP-23-2'</u>																								

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Relinquished By: [Signature] Date: 11-21-18 Received By: [Signature] Date: 11-21-18
Time: 14:00 Time:

Relinquished By: [Signature] Received By: [Signature]

Delivered By: (Circle One) 31 Sample Condition: Intact Checked By: [Signature]
Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No

Sampler - UPS - Bus - Other: 31 #97

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:



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

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_accred_certif.html.

Cardinal Laboratories is accredited 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 (Collert 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,

A handwritten signature in black ink, reading "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

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	Reported: 11-Dec-18 14:42
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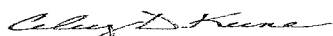
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B 1 - 4'	H803515-01	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 6'	H803515-02	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 8'	H803515-03	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 10'	H803515-04	Soil	29-Nov-18 00:00	30-Nov-18 11:25
B 1 - 12'	H803515-05	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.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 1 - 4'
H803515-01 (Soil)

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

Inorganic Compounds

Chloride	480		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-Cl-B	
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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	

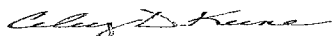
Petroleum Hydrocarbons by GC FID

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, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

B 1 - 6'

H803515-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	240		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-Cl-B	
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Volatile Organic Compounds by 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 GC 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	1	8113012	MS	30-Nov-18	8015B	

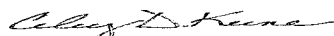
Surrogate: 1-Chlorooctane 100 % 41-142 8113012 MS 30-Nov-18 8015B

Surrogate: 1-Chlorooctadecane 111 % 37.6-147 8113012 MS 30-Nov-18 8015B

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 1 - 8'
H803515-03 (Soil)

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

Inorganic Compounds

Chloride	720		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-Cl-B	
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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 (PID) 147 % 73.3-129 8113011 MS 30-Nov-18 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	419		10.0	mg/kg	1	8113012	MS	30-Nov-18	8015B	
DRO >C10-C28*	421		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 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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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

B 1 - 10'
H803515-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	560		16.0	mg/kg	4	8113010	AC	01-Dec-18	4500-Cl-B	
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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 (PID) 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	

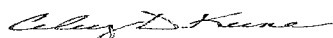
Surrogate: 1-Chlorooctane 184 % 41-142 8113012 MS 30-Nov-18 8015B

Surrogate: 1-Chlorooctadecane 122 % 37.6-147 8113012 MS 30-Nov-18 8015B

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 1 - 12'
H803515-05 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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Volatile Organic Compounds by 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 GC 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	

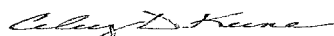
Surrogate: 1-Chlorooctane 148 % 41-142 8113012 MS 30-Nov-18 8015B

Surrogate: 1-Chlorooctadecane 112 % 37.6-147 8113012 MS 30-Nov-18 8015B

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 1 - 14'
H803515-06 (Soil)

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

Inorganic Compounds

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	

Volatile Organic Compounds by 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	
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Petroleum Hydrocarbons by 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	

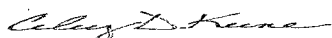
Surrogate: 1-Chlorooctane			187 %	41-142		8113012	MS	30-Nov-18	8015B	
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Surrogate: 1-Chlorooctadecane			122 %	37.6-147		8113012	MS	30-Nov-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

B 1 - 16'
H803515-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	160		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-CI-B	
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Volatile Organic Compounds 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 (PID) 106 % 73.3-129 8113011 MS 03-Dec-18 8021B

Petroleum Hydrocarbons by 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	

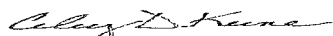
Surrogate: 1-Chlorooctane 153 % 41-142 8113012 MS 30-Nov-18 8015B

Surrogate: 1-Chlorooctadecane 125 % 37.6-147 8113012 MS 30-Nov-18 8015B

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 1 - 18'
H803515-08 (Soil)

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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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		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 (PID) 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	

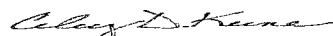
Surrogate: 1-Chlorooctane 96.1 % 41-142 8113012 MS 30-Nov-18 8015B

Surrogate: 1-Chlorooctadecane 106 % 37.6-147 8113012 MS 30-Nov-18 8015B

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 2 - 4'
H803515-09 (Soil)

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

Inorganic Compounds

Chloride	208		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B
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Volatile Organic Compounds 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 (PID)			97.4 %		73.3-129	8113011	MS	03-Dec-18	8021B
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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

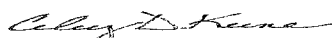
Surrogate: 1-Chlorooctane			96.7 %		41-142	8113012	MS	30-Nov-18	8015B
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Surrogate: 1-Chlorooctadecane			107 %		37.6-147	8113012	MS	30-Nov-18	8015B
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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 2 - 6'
H803515-10 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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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 (PID)			96.0 %	73.3-129		8113011	MS	01-Dec-18	8021B	

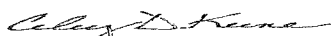
Petroleum Hydrocarbons by GC FID

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			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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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

B 2 - 8'
H803515-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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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 (PID) 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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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

B 2 - 10'
H803515-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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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 (PID)			98.3 %	73.3-129		8113011	MS	01-Dec-18	8021B	

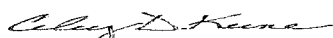
Petroleum Hydrocarbons by GC FID

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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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

B 3 - 4'
H803515-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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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 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	

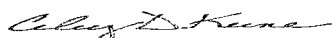
Surrogate: 1-Chlorooctane 92.4 % 41-142 8113012 MS 01-Dec-18 8015B

Surrogate: 1-Chlorooctadecane 102 % 37.6-147 8113012 MS 01-Dec-18 8015B

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 3 - 6'
H803515-14 (Soil)

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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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 (PID) 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	

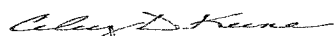
Surrogate: 1-Chlorooctane 91.9 % 41-142 8113012 MS 01-Dec-18 8015B

Surrogate: 1-Chlorooctadecane 102 % 37.6-147 8113012 MS 01-Dec-18 8015B

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 3 - 8'
H803515-15 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B
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Volatile Organic Compounds 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
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	34.9		10.0	mg/kg	1	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

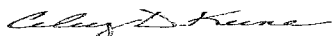
Surrogate: 1-Chlorooctane		99.3 %	41-142		8113012	MS	01-Dec-18	8015B
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Surrogate: 1-Chlorooctadecane		109 %	37.6-147		8113012	MS	01-Dec-18	8015B
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 3 - 10'
H803515-16 (Soil)

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

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	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	36.2		10.0	mg/kg	1	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	
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Surrogate: 1-Chlorooctadecane			108 %	37.6-147		8113012	MS	01-Dec-18	8015B	
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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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

Reported:
11-Dec-18 14:42

B 3 - 12'
H803515-17 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8120101	AC	01-Dec-18	4500-Cl-B	
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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 (PID) 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	

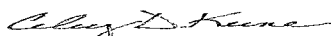
Surrogate: 1-Chlorooctane 98.6 % 41-142 8113012 MS 01-Dec-18 8015B

Surrogate: 1-Chlorooctadecane 110 % 37.6-147 8113012 MS 01-Dec-18 8015B

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

B 3 - 14'
H803515-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
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*	<0.050		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 (PID)			99.9 %	73.3-129		8113011	MS	01-Dec-18	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			109 %	37.6-147		8113012	MS	01-Dec-18	8015B	
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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8113010 - General Prep - Wet Chem

Blank (8113010-BLK1)				Prepared & Analyzed: 30-Nov-18						
Chloride	ND	16.0	mg/kg							
LCS (8113010-BS1)				Prepared & Analyzed: 30-Nov-18						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (8113010-BSD1)				Prepared & Analyzed: 30-Nov-18						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

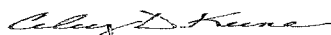
Batch 8120101 - General Prep - Wet Chem

Blank (8120101-BLK1)				Prepared & Analyzed: 01-Dec-18						
Chloride	ND	16.0	mg/kg							
LCS (8120101-BS1)				Prepared & Analyzed: 01-Dec-18						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (8120101-BSD1)				Prepared & Analyzed: 01-Dec-18						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 11-Dec-18 14:42

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
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Batch 8113011 - Volatiles
Blank (8113011-BLK1)

Prepared & Analyzed: 30-Nov-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) 0.0951 mg/kg 0.100 95.1 73.3-129

LCS (8113011-BS1)

Prepared & Analyzed: 30-Nov-18

Benzene	1.91	0.050	mg/kg	2.00		95.3	72.2-131			
Toluene	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 & Analyzed: 30-Nov-18

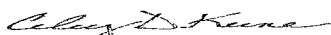
Benzene	1.88	0.050	mg/kg	2.00		94.0	72.2-131	1.34	6.91	
Toluene	1.88	0.050	mg/kg	2.00		93.9	71.7-126	1.13	7.12	
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.5	68.9-126	2.30	7.88	
Total Xylenes	5.44	0.150	mg/kg	6.00		90.6	71.4-125	2.20	7.46	

Surrogate: 4-Bromofluorobenzene (PID) 0.100 mg/kg 0.100 100 73.3-129

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Celey D. Keene, Lab Director/Quality Manager

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

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
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Batch 8113012 - General Prep - Organics
Blank (8113012-BLK1)

Prepared & 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 & 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)

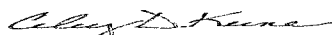
Prepared & Analyzed: 30-Nov-18

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	49.8		mg/kg	50.0		99.6	41-142			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	37.6-147			

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Celest D. Keene, Lab Director/Quality Manager

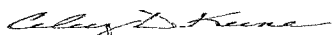
Notes and Definitions

- 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 D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

+ Cardinal cannot account verbal changes. Place for written changes to 157=1 202-2226

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

† Cardinal cannot account verbal changes Please fix written changes to 15751 202-22296



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

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.html.

Cardinal Laboratories is accredited 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.

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

Analytical Results For:TALON LPE
408 W. TEXAS AVE.
ARTESIA NM, 88210Project: 1009
Project Number: 700348.425.01
Project Manager: CHRIS JONES
Fax To: (575) 745-8905Reported:
21-Jan-19 10:07

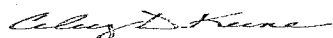
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG - 0'	H803741-01	Soil	20-Dec-18 00:00	20-Dec-18 14:05
BG - 1'	H803741-02	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 4 - 5'	H803741-03	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 4 - 6'	H803741-04	Soil	20-Dec-18 00:00	20-Dec-18 14:05
SP 6 - 3'	H803741-05	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
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 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 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

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.

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
21-Jan-19 10:07

BG - 0'

H803741-01 (Soil)

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			101 %	73.3-129		8122601	ms	26-Dec-18	8021B	
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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	

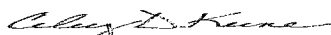
Surrogate: 1-Chlorooctane			95.6 %	41-142		8122113	MS	21-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			95.5 %	37.6-147		8122113	MS	21-Dec-18	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

BG - 1'
H803741-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			101 %	73.3-129		8122601	ms	26-Dec-18	8021B	
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Petroleum Hydrocarbons by 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	

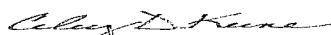
Surrogate: 1-Chlorooctane			78.2 %	41-142		8122113	MS	28-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			75.3 %	37.6-147		8122113	MS	28-Dec-18	8015B	
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Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 4 - 5'
H803741-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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Volatile Organic Compounds 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	
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Petroleum Hydrocarbons by GC FID

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	

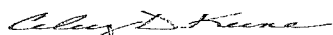
Surrogate: 1-Chlorooctane			132 %	41-142		8122113	MS	22-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 4 - 6'
H803741-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

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	
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Petroleum Hydrocarbons by 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	

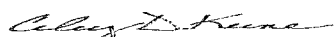
Surrogate: 1-Chlorooctane			148 %	41-142		8122113	MS	22-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
21-Jan-19 10:07

SP 6 - 3'
H803741-05 (Soil)

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			108 %	73.3-129		8122601	ms	26-Dec-18	8021B	
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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	

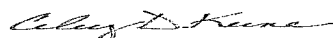
Surrogate: 1-Chlorooctane			190 %	41-142		8122113	MS	26-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	37.6-147		8122113	MS	26-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 6 - 4'
H803741-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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Volatile Organic Compounds by 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 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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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP6 - 5'
H803741-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			107 %	73.3-129		8122607	ms	27-Dec-18	8021B	
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Petroleum Hydrocarbons by GC FID

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	

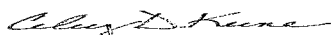
Surrogate: 1-Chlorooctane			93.2 %	41-142		8122113	MS	22-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			88.2 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 11 - 2'
H803741-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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Volatile Organic Compounds 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 (PID)			99.9 %	73.3-129		8122607	ms	27-Dec-18	8021B	
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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	

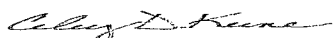
Surrogate: 1-Chlorooctane			96.2 %	41-142		8122102	MS	21-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			94.6 %	37.6-147		8122102	MS	21-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 11 - 3'
H803741-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			100 %	73.3-129		8122607	ms	27-Dec-18	8021B	
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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	
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Surrogate: 1-Chlorooctadecane			95.3 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 11 - 4'
H803741-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			99.3 %	73.3-129		8122607	ms	27-Dec-18	8021B	
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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	

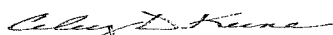
Surrogate: 1-Chlorooctane			94.6 %	41-142		8122113	MS	22-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			96.4 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
21-Jan-19 10:07

SP 13 - 3'
H803741-11 (Soil)

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			102 %	73.3-129		8122607	ms	27-Dec-18	8021B	
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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	

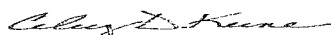
Surrogate: 1-Chlorooctane			93.4 %	41-142		8122113	MS	22-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			92.3 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 14 - 3'
H803741-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			101 %	73.3-129		8122607	ms	27-Dec-18	8021B	
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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	

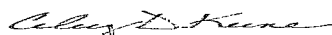
Surrogate: 1-Chlorooctane			95.9 %	41-142		8122113	MS	22-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			94.8 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 15 - 3'
H803741-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			99.9 %	73.3-129		8122607	ms	27-Dec-18	8021B	
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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	

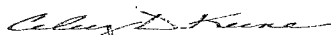
Surrogate: 1-Chlorooctane			98.2 %	41-142		8122113	MS	22-Dec-18	8015B	
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Surrogate: 1-Chlorooctadecane			96.8 %	37.6-147		8122113	MS	22-Dec-18	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

SP 16 - 3'
H803741-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	8122111	AC	27-Dec-18	4500-Cl-B	
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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 (PID)			101 %	73.3-129		8122607	ms	27-Dec-18	8021B	

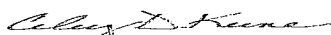
Petroleum Hydrocarbons by GC FID

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			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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Celey D. Keene, Lab Director/Quality Manager

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

 Reported:
 21-Jan-19 10:07

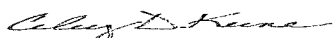
Inorganic Compounds - Quality Control
Cardinal Laboratories

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

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Celey D. Keene, Lab Director/Quality Manager

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

 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
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Batch 8122601 - Volatiles
Blank (8122601-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)	0.103		mg/kg	0.100		103	73.3-129			

LCS (8122601-BS1)

Prepared & Analyzed: 26-Dec-18

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-BS1)

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)

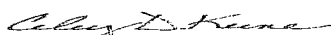
Prepared & Analyzed: 26-Dec-18

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			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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

 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
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Batch 8122607 - Volatiles

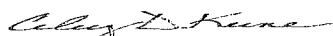
LCS (8122607-BS1) Prepared & Analyzed: 26-Dec-18										
Benzene	2.01	0.050	mg/kg	2.00		100	72.2-131			
Toluene	1.95	0.050	mg/kg	2.00		97.7	71.7-126			
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	68.9-126			
Total Xylenes	6.04	0.150	mg/kg	6.00		101	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0971		mg/kg	0.100		97.1	73.3-129			

LCS Dup (8122607-BS1) Prepared & Analyzed: 26-Dec-18										
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 (PID)	0.0969		mg/kg	0.100		96.9	73.3-129			

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
21-Jan-19 10:07

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
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Batch 8122102 - General Prep - Organics

Blank (8122102-BLK1)		Prepared & 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 & Analyzed: 21-Dec-18								
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-BS1)		Prepared & Analyzed: 21-Dec-18								
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-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	47.9		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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Celey D. Keene, Lab Director/Quality Manager

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

Reported:
21-Jan-19 10:07

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
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Batch 8122113 - General Prep - Organics

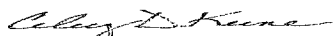
LCS (8122113-BS1)		Prepared: 21-Dec-18 Analyzed: 22-Dec-18								
GRO C6-C10	209	10.0	mg/kg	200		104	76.5-133			
DRO >C10-C28	264	10.0	mg/kg	200		132	72.9-138			
Total TPH C6-C28	473	10.0	mg/kg	400		118	78-132			
Surrogate: 1-Chlorooctane	54.0		mg/kg	50.0		108	41-142			
Surrogate: 1-Chlorooctadecane	54.6		mg/kg	50.0		109	37.6-147			

LCS Dup (8122113-BSD1)		Prepared & Analyzed: 21-Dec-18								
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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Celey D. Keene, Lab Director/Quality Manager

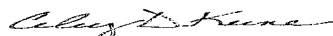
Notes and Definitions

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 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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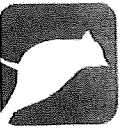
Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2012

BILL TO

ANALYSIS REQUEST

Company Name: TALON LPE

Project Manager: Chris Jones

Address: 408 W TEXAS

City: Artesia State: NM Zip: 88210

Phone #: 505-744-8768 Fax #:

Project #: 700348.425.01 Project Owner: Enterprise

Project Name: 1004

Project Location: Lea

Sampler Name: Dave Jones

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H803741

11 5013 - 3'

12 5014 - 3'

13 5015 - 3'

14 5016 - 3'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

BTEX

TPH (EXT)

Chloride

PLEASE NOTE: Liability and Damages. Customer's liability and clients' exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 12/20/18

Received By:

David Jones

Relinquished By:

Date:

Received By:

David Jones

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

4.30c / #97

Sample Condition

Cool ☒ Yes ☐ No

Intact ☒ Yes ☐ No

CHECKED BY

(initials)

REMARKS:

Phone Result:

☐ Yes ☐ No

Fax Result:

☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #: