



ENTERPRISE PRODUCTS PARTNERS L.P.  
ENTERPRISE PRODUCTS HOLDINGS LLC  
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

April 28, 2020

Email Submittal

New Mexico Oil Conservation Division  
District 1  
1625 North French Drive  
Hobbs, New Mexico 88240

**Re: Assessment and Remediation Plan  
Pipeline 1009 Release  
1RP-5269 and NRM2004431707**

To Whom It May Concern:

Enterprise Field Services LLC is submitting the enclosed site assessment and remediation plan to the New Mexico Oil Conservation District as required by 19 NMAC 15.29.12(B)(1) for the pipeline 1009 releases which occurred on October 28, 2018 and January 29, 2020 in Lea County, NM. The planned remediation activities are listed on pages 8-10 of the enclosed report.

If you have questions or require additional information, please contact Alena Miro, Senior Environmental Engineer at (575) 628-6802 or Paul Reinermann, Field Environmental Manager at (210) 528-2184.

Thank you,

A handwritten signature in blue ink, appearing to read 'Jon E. Fields'.

Jon E. Fields  
Director, Field Environmental

A handwritten signature in blue ink, appearing to read 'Rodney M. Sartor'.

Rodney M. Sartor  
Senior Director, Environmental

/bjm  
Enclosure

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	1RP-5269 and NRM2004431707
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?	<u>560</u> (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 <b>not</b> 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 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs    N/A – No 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.

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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 EnvironmentalSignature:  Date: 4/28/2020email: jefields@eprod.com Telephone: 713-381-6684**OCD Only**Received by: Cristina Eads Date: 04/28/2020

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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: Jon E. Fields Title: Director, Field Environmental  
 Signature:  Date: 4/28/2020  
 email: jefields@eprod.com Telephone: 713-381-6684

**OCD Only**

Received by: Cristina Eads Date: 04/28/2020

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

Signature:  Date: 07/06/2020





## Site Assessment and Remediation Plan

Enterprise 1009 Line Strike  
Lea County, New Mexico  
1RP-5269, NRM2004431707

### Prepared For:

Enterprise Products Operating, LLC  
PO Box 4324  
Houston, Texas 77210-4324

### Prepared By:

TALON/LPE  
408 W. Texas Avenue  
Artesia, NM 88210

**April 24, 2020**

Ms. Alena Miro  
**Enterprise Products Operating, LLC**  
PO Box 4324  
Houston, TX 77210-4324

Subject: **Supplemental Assessment and Remediation Plan**  
Enterprise 1009 Line Strike  
Lea County, New Mexico  
1RP-5269, NRM2004431707

Dear Ms. Miro,

Talon/LPE (Talon) has been retained to provide Enterprise Products Operating, LLC (Enterprise), with supplemental soil assessment data pertaining to NMOCD comments regarding the initial release at this location (1RP-5268), and to assess the impacts from a second release that occurred on January 29, 2020.

### 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 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.42711 North and -103.64110 West. Site location maps are 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. The referenced soil survey is presented in [Appendix II](#). 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 coursed in this area are well drained.

### Groundwater and Site Characterization

The New Mexico Office of the State Engineer web site indicates that the nearest reported depth to groundwater is 560-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data. The site is located in a low potential Karst area ([Appendix II](#)).

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.



**Approximate Depth to Groundwater****560 Feet/BGS**

- ☐ Yes ☒ No Within 300 feet of any continuously flowing watercourse or any other significant watercourse
- ☐ Yes ☒ No Within 200 feet of any lakebed, sinkhole or a playa lake
- ☐ Yes ☒ No Within 300 feet from an occupied permanent residence, school, hospital, institution or church
- ☐ Yes ☒ No Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
- ☐ Yes ☒ No Within 1000 feet of any freshwater well or spring
- ☐ Yes ☒ No Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
- ☐ Yes ☒ No Within 300 feet of a wetland
- ☐ Yes ☒ No Within the area overlying a subsurface mine
- ☐ Yes ☒ No Within an unstable area
- ☐ Yes ☒ No Within a 100-year floodplain

This incident did not happen in any of these areas and occurred in a location with groundwater at a depth of greater than 100-feet BGS. However, as this release is on pasture lands, not on areas reasonably needed for production or future drilling operations, it must be treated as if the depth to groundwater is less than 50-feet deep. Therefore the clean up criteria is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## Incident Descriptions

### 1RP-5269

On October 29, 2018, the Enterprise 1009 Line was struck by heavy equipment doing unauthorized improvements to the pipeline right of way. As a result, an unknown volume of pipeline fluids was released into the right of way, including overspray into the pasture. The flow path encompassed approximately 1,100-feet varying from 3 to 9-feet wide. No fluids were recovered as the area is inaccessible to heavy trucks.

Site assessment activities and initial remedial actions were conducted. The excavation (averaging 3-4' deep) was not backfilled pending NMOCD approval to do so. A Remediation Plan and Variance Request were subsequently submitted to the NMOCD. Additional soil delineation information was requested and the liner installation variance was not approved by the NMOCD. A copy of the referenced NMOCD correspondence dated December 17, 2019, is attached for reference in [Appendix III](#).

### NRM2004431707

A second release occurred in the same footprint on January 29, 2020. Approximately 100 barrels (bbls) of pipeline fluids were lost due to internal corrosion. The release occurred at the same source area in the repaired line as the initial release, traveling approximately 60-feet from the source trending to the northeast in the open excavation. The 1009 Line was removed from service. Initial remedial activities and decommissioning of the 1009 Line were completed by others. A copy of the Initial C-141 for this incident is also attached in [Appendix III](#). A site map depicting the second release at this location is presented as Figure 3, [Appendix I](#). Photo documentation with drone aerial images are attached in [Appendix IV](#).

## Site Assessment Activities

On December 19, 2019, Talon personnel and equipment mobilized to the project location to begin additional site assessment and sampling activities as directed by the NMOCD regarding 1RP-5269. More specifically, the overspray area was addressed with a series of eleven (11) hand auger borings. Additional sample points were advanced between sample location S-4 and sample point SP-8, and between SP-8 and S-3. Sample point SP-4 was also vertically delineated.



All soil samples were properly packaged in laboratory provided glassware and transported to Cardinal Laboratories for analysis of the following constituents: Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH via EPA Method 8015M) and volatile organics Benzene, Toluene, Ethylbenzene and Xylenes (BTEX via EPA Method 8021B). Sampling locations are presented on Figure 1 and Figure 2 located in **Appendix I**. Analytical results are presented in the following data table and the complete laboratory reports are attached in **Appendix V**.

Table 1, Analytical Data

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
HA-1	0-1	12/19/2019	0.542	0.355	ND	ND	ND	-	ND
	2	12/19/2019	ND	0.198	ND	ND	ND	-	16
HA-2	0-1	12/19/2019	ND	0.143	ND	11	ND	11.0	192
	2	12/19/2019	ND	ND	ND	ND	ND	-	160
HA-3	0-1	12/19/2019	ND	ND	ND	ND	ND	-	48
	2	12/19/2019	ND	ND	ND	ND	ND	-	48
HA-4	0-1	12/19/2019	ND	ND	ND	ND	ND	-	ND
	2	12/19/2019	ND	ND	ND	ND	ND	-	48
HA-5	0-1	12/19/2019	ND	ND	ND	ND	ND	-	ND
	2	12/19/2019	ND	ND	ND	ND	ND	-	16
HA-6	0-1	12/19/2019	ND	ND	ND	ND	ND	-	240
	2	12/19/2019	ND	ND	ND	ND	ND	-	160
HA-7	0-1	12/19/2019	ND	ND	ND	ND	ND	-	16
	2	12/19/2019	ND	ND	ND	ND	ND	-	240
HA-8	0-1	12/19/2019	ND	ND	ND	ND	ND	-	16
	2	12/19/2019	ND	ND	ND	ND	ND	-	16
HA-9	0-1	12/19/2019	ND	ND	ND	ND	ND	-	16
	2	12/19/2019	ND	ND	ND	ND	ND	-	32
HA-10	0-1	12/19/2019	ND	ND	ND	ND	ND	-	ND
	2	12/19/2019	ND	ND	ND	ND	ND	-	64
HA-11	0-1	12/19/2019	ND	ND	ND	ND	ND	-	16
	2	12/19/2019	ND	ND	ND	ND	ND	-	16
HA-12	3	12/19/2019	ND	ND	ND	ND	ND	-	16
	4	12/19/2019	ND	ND	ND	ND	ND	-	16

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
HA-13	3	12/20/2019	98.8	ND	1460	558	ND	2018.0	16
	4	12/20/2019	26	ND	3210	697	15.8	3922.8	16
HA-14	3	12/20/2019	0.998	ND	ND	ND	ND	-	16
	4	12/20/2019	ND	ND	ND	ND	ND	-	16
HA-15	3	12/20/2019	ND	ND	ND	ND	ND	-	ND
	4	12/20/2019	ND	ND	ND	ND	ND	-	16
HA-16	3	12/20/2019	28.8	ND	549	293	ND	842.0	ND
	4	12/20/2019	1110	ND	6690	966	21.9	7677.9	16
HA-17	3	12/20/2019	5.18	ND	143	461	ND	604.0	ND
	4	12/20/2019	53.4	ND	914	271	ND	1185.0	16
HA-18	3	12/20/2019	0.661	ND	ND	ND	ND	-	16
	4	12/20/2019	ND	ND	ND	ND	ND	-	ND
SW-1	3	12/20/2019	ND	ND	ND	ND	ND	-	48
SW-2	3	12/20/2019	ND	ND	ND	ND	ND	-	16
SW-3	3	12/20/2019	ND	ND	ND	106	ND	106.0	48
SW-4	3	12/20/2019	ND	ND	ND	ND	ND	-	ND
SW-5	3	12/20/2019	ND	ND	ND	ND	ND	-	48
SW-6	3	12/20/2019	ND	ND	ND	ND	ND	-	ND
SW-7	3	12/20/2019	ND	ND	ND	128	ND	128.0	16
SW-8	3	12/20/2019	ND	0.098	ND	ND	ND	-	ND
SW-9	3	12/20/2019	ND	0.102	ND	ND	ND	-	560
SW-10	3	12/20/2019	1.18	0.059	14.7	182	ND	196.7	16
SW-11	3	12/20/2019	ND	0.055	ND	ND	ND	-	32
SW-12	3	12/20/2019	ND	ND	ND	ND	ND	-	368
SW-13	3	12/20/2019	ND	ND	ND	ND	ND	-	ND
SW-14	3	12/20/2019	ND	ND	ND	ND	ND	-	ND
SP-4	8	12/19/2019	ND	ND	ND	ND	ND	-	ND
	10	12/19/2019	ND	ND	ND	ND	ND	-	ND
	12	12/19/2019	ND	ND	ND	ND	ND	-	ND
	14	12/19/2019	ND	ND	ND	ND	ND	-	16

HA - hand auger boring      SW – side wall sample      SP – sample point  
 ND – analyte not detected



On April 1, April 2, April 16 and April 17, 2020, Talon personnel and equipment returned to the project location to carry out additional site assessment activities to further vertically delineate boring location B-1 (source of release), to obtain supplemental closure criteria delineation based on current analytical data, and to address the footprint of the second release at this location (incident number NRM2004431707).

All soil samples were properly packaged in laboratory provided glassware and transported to Cardinal Laboratories for analysis of the following constituents: Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH via EPA Method 8015M) and volatile organics Benzene, Toluene, Ethylbenzene and Xylenes (BTEX via EPA Method 8021B). Sampling locations are presented on the site maps located in [Appendix I](#). Analytical results are presented in the following data table and the complete laboratory reports are attached in [Appendix V](#).

Table 2, Analytical Data

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
B-3	4	4/1/2020	ND	ND	ND	ND	ND	-	ND
SP-5	3	4/1/2020	ND	ND	ND	ND	ND	-	16
SP-6	3	4/1/2020	ND	ND	ND	ND	ND	-	32
HA-18	4	4/1/2020	ND	ND	ND	ND	ND	-	ND
SW-13	3	4/1/2020	ND	ND	ND	ND	ND	-	32
SW-14	3	4/1/2020	ND	ND	ND	ND	ND	-	16
S-4	4	4/1/2020	0.515	ND	25.5	368	10.1	403.6	16
	6	4/1/2020	ND	ND	ND	ND	ND	-	ND
	8	4/1/2020	3.67	ND	180	182	ND	362.0	ND
	10	4/1/2020	ND	ND	ND	ND	ND	-	ND
SW-15	3	4/1/2020	ND	ND	ND	39.8	ND	39.8	ND
SW-16	3	4/1/2020	0.674	ND	12.3	36.6	ND	48.9	48
HA-17	4	4/1/2020	50.3	ND	684	221	ND	905.0	16
	6	4/1/2020	252	ND	2870	433	ND	3303.0	16
	8	4/1/2020	11	ND	37.1	18.2	ND	55.3	ND
SW-11	3	4/1/2020	10.7	ND	178	315	ND	493.0	48
SW-12	3	4/1/2020	6.45	ND	154	344	ND	498.0	32
HA-16	4	4/1/2020	ND	ND	ND	ND	ND	-	ND
	6	4/1/2020	0.604	ND	ND	ND	ND	-	ND
	8	4/1/2020	ND	ND	ND	ND	ND	-	ND



Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
SW-9	3	4/1/2020	ND	ND	12.4	178	ND	190.4	ND
SW-10	3	4/1/2020	ND	ND	ND	ND	ND	-	ND
SP-8	4	4/1/2020	ND	ND	ND	ND	ND	-	ND
SP-7	3	4/1/2020	ND	ND	ND	78.8	ND	78.8	80
SP-9	3	4/1/2020	ND	ND	ND	ND	ND	-	32
HA-15	4	4/2/2020	71.7	ND	693	323	ND	1016.0	ND
	6	4/2/2020	103	ND	717	235	ND	952.0	32
	8	4/2/2020	ND	ND	ND	ND	ND	-	ND
SW-7	3	4/2/2020	0.882	ND	25.3	289	ND	314.3	ND
SW-8	3	4/2/2020	ND	ND	ND	ND	ND	-	ND
HA-14	4	4/2/2020	ND	ND	ND	ND	ND	-	80
SW-5	3	4/2/2020	ND	ND	ND	ND	ND	-	16
SW-6	3	4/2/2020	ND	ND	ND	ND	ND	-	ND
HA-13	4	4/2/2020	ND	ND	ND	ND	ND	-	144
	6	4/2/2020	ND	ND	ND	ND	ND	-	32
	8	4/2/2020	ND	ND	ND	ND	ND	-	16
SW-3	3	4/2/2020	6.89	ND	54.1	48.0	ND	102.1	160
SW-4	3	4/2/2020	ND	ND	ND	ND	ND	-	64
SP-11	3	4/2/2020	ND	ND	ND	ND	ND	-	112
SP-12	3	4/2/2020	ND	ND	ND	ND	ND	-	224
SP-10	4	4/2/2020	ND	ND	ND	ND	ND	-	128
SP-14	3	4/2/2020	ND	ND	ND	ND	ND	-	544
SP-15	3	4/2/2020	ND	ND	ND	ND	ND	-	976
SP-16	3	4/2/2020	ND	ND	15	203	ND	218.0	144
B-1	4	4/2/2020	ND	ND	ND	ND	ND	-	528
	16	4/2/2020	ND	ND	ND	ND	ND	-	ND
	18	4/2/2020	ND	ND	ND	ND	ND	-	32
	20	4/2/2020	ND	ND	ND	ND	ND	-	16
SW-3A	3	4/16/2020	ND	ND	ND	ND	ND	-	NT
SW-7A	3	4/16/2020	ND	ND	ND	16.3	ND	16.3	NT
SW-9A	3	4/16/2020	ND	ND	ND	ND	ND	-	NT
SW-10A	3	4/16/2020	ND	ND	ND	ND	ND	-	NT
SW-11A	3	4/16/2020	ND	ND	ND	31.9	ND	31.9	NT

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
SW-12A	3	4/16/2020	53.3	ND	660	356	ND	1016.0	NT
SW-12B	3	4/16/2020	ND	ND	ND	ND	ND	-	NT
SP-15A	3	4/16/2020	ND	ND	ND	ND	ND	-	32
SP-16A	4	4/16/2020	ND	ND	ND	ND	ND	-	NT

HA - hand auger boring      SW – side wall sample      SP – sample point  
 ND – analyte not detected      NT – analyte not tested

Based on the field and lab data collected to date for this project, our proposed remedial actions to bring these incidents to closure are as follows.

### Remedial Actions To Be Performed

1. The impacted soil in the vicinity of hand auger HA-13 will be excavated to a depth 4-feet BGS.
2. The area surrounding hand auger location HA-15 will be excavated to 8-feet BGS.
3. The impacted soil near HA-16 will be excavated to 4-feet BGS.
4. The area adjacent to HA-17 will be excavated to a depth of 8-feet BGS.
5. The area in the vicinity of sidewall sample SW-3 will be excavated an additional 2-feet to the north. Sidewall sample SW-3A located 2-feet to the north of the current open excavation will serve as the final excavation boundary confirmation sample.
6. The excavation sidewall near sample SW-7 will be excavated an additional 2-feet northward. Sidewall sample SW-7A, located 2-feet north of the open excavation, will provide excavation boundary confirmation.



7. The sidewall of the open excavation adjacent to SW-9 will be excavated an additional 2-feet to the north. Analytical data from SW-9A located 2-feet to the north is below NMOCD clean up criteria for this project.
8. The impacted area in the vicinity of SW-10 will be excavated 2-feet to the south. Sidewall sample SW-10A is located 2-feet south of the current excavation and will serve as the excavation boundary sample.
9. The area near soil sample location S-4 will be vertically excavated to 8-feet deep. SW-15 and SW-16 samples will provide north and south sidewall confirmation sample analysis respectively.
10. The excavation side wall near sample SW-11 will be excavated 2-feet northward. Sidewall sample SW-11A, 2-feet north, confirms the northern excavation boundary in this area.
11. The sidewall of the excavation will be advanced 4-feet to the south at sidewall sample SW-12. Soil sample SW-12B is located 4-feet to the south and indicates analytical results below laboratory method detection limits.
12. Sample point SP-15 is located to the south of the source of release for both referenced incidents (1RP-5269, NRM2004431707) and is shown on Figure 1, Figure 2 and Figure 3 ([Appendix I](#)). The side wall of the excavation in this area will be advanced an additional 2-feet to the south. Side wall sample SW-15A is located 2-feet to the south of SW-15 and provides resulting analytical data below NMOCD clean up criteria.
13. Sample point SP-16 is located immediately west of the release source as show on the attached site plans. The impacted soil in this area will be removed to a depth of 4-feet BGS where laboratory results indicate all analytes tested were below method detection limits.
14. Boring location B-1, located at the source of both releases, indicated the deepest vertical impacts relating to the first release, 1RP-5269. Additional vertical delineation beyond 16-feet deep was requested at this sample location by NMOCD. Following the second release and initial remedial actions related to incident NRM2004431707, additional samples were collected by Talon on April 2, 2020. Analytical data from sample B-1 at 4-feet (current depth of open excavation) indicate that the impacts from the second release had been mitigated. Analytical results from B-1 at 16', 18' and 20' deep are below NMOCD clean up criteria as shown in Data Table 2. Therefore, based on these results and the analytical data presented in the Assessment and Remediation Report, January 25, 2019, by Talon/LPE, the impacted area in this location will be excavated to a depth of 16-feet deep. Post-excavation proposed confirmation sample locations

are presented on a separate site map in **Appendix I**.

15. Additional vertical delineation samples beyond 6-feet deep at sample point SP-4 were requested by NMOCD (1RP-5269) on December 17, 2019. On December 19, 2019, Talon collected samples from 8-feet to 14-feet BGS at this sample location. Analytical results do not dictate the need to excavate impacted soil at SP-4 beyond 8-feet deep (Data Table 1).
16. Upon completion of approved remedial actions, the excavated areas will be backfilled with like, locally obtained soil from a local material pit.
17. The backfilled and disturbed areas will be contoured to match the surrounding terrain and seeded with BLM #2 seed mix for sandy soils utilizing a mechanized Culti-Pack seed drill.

### Closure

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

Respectfully submitted,

TALON/LPE

David J. Adkins  
District Manager

Appendix I Site Maps  
Appendix II Groundwater, Soil, Karst, FEMA Data  
Appendix III NMOCD Correspondence, C-141  
Appendix IV Photographic Documentation  
Appendix V Laboratory Reports



# APPENDIX I

## SITE MAPS






Drafted: 1/29/2020  
1 in = 100 ft  
Drafted By: JAI

Enterprise 1009  
Enterprise Pipeline  
Artesia, New Mexico  
Figure 1 - Site Plan







**TALON LPE**

Drafted: 4/24/2020  
1 in = 60 ft  
Drafted By: JAI

Enterprise 1009  
Enterprise Pipeline  
Artesia, New Mexico  
Figure 2 - Site Plan





Drafted: 4/27/2020  
1 in = 5 ft  
Drafted By: JAI

Enterprise 1009  
Enterprise Pipeline  
Artesia, New Mexico  
Figure 3 - Spill Area 2 Map





Drafted: 4/27/2020  
1 in = 5 ft  
Drafted By: JAI

Enterprise 1009  
Enterprise Pipeline  
Artesia, New Mexico  
Figure 4 - Proposed Sample Locations Map

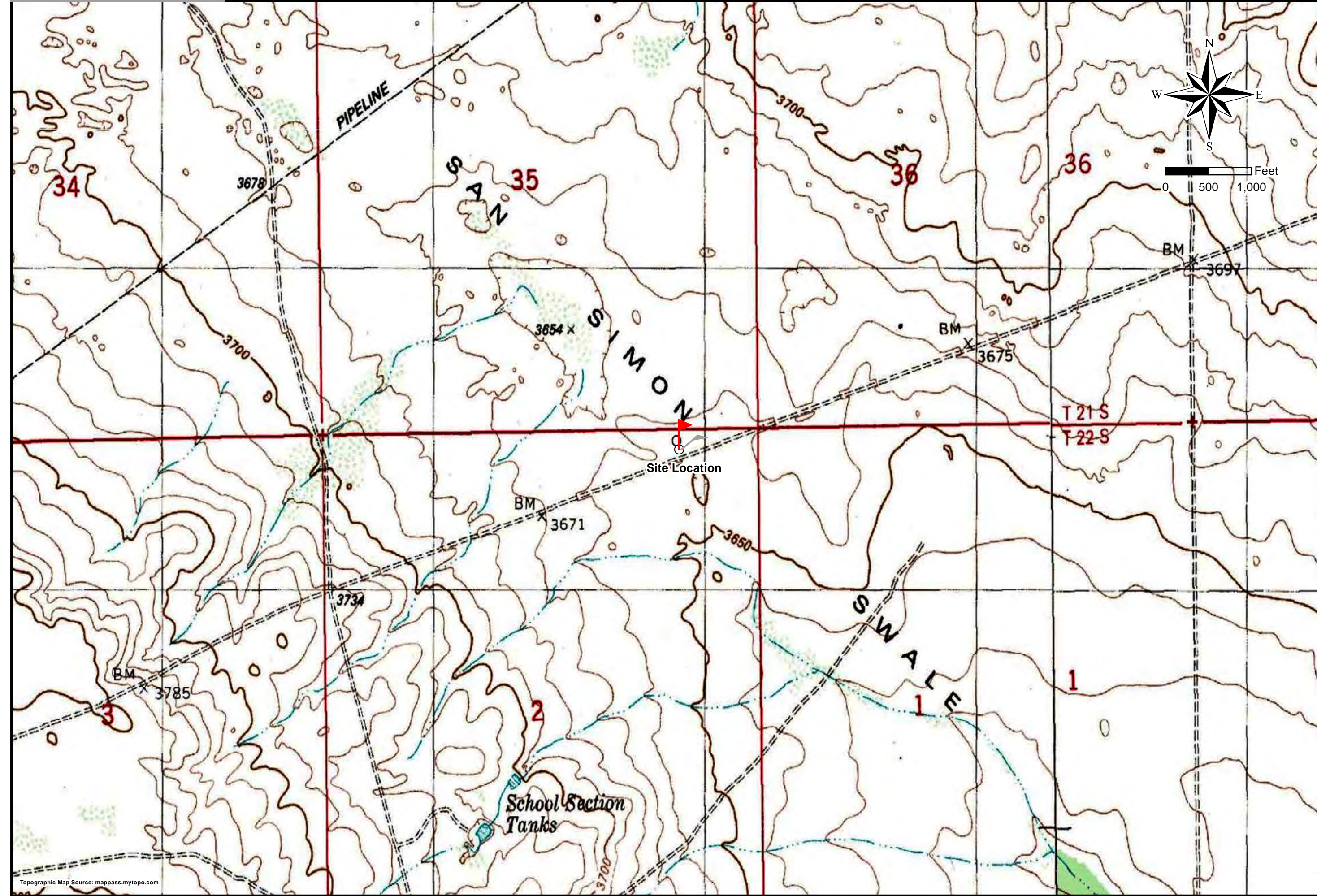




Drafted: 4/24/2020  
1 in = 15,000 ft  
Drafted By: JAI

Enterprise 1009  
Enterprise Pipeline  
Artesia, New Mexico  
Figure 5 - Locator Map





Drafted: 4/27/2020  
1 in = 1,000 ft  
Drafted By: JAI

Enterprise 1009  
Enterprise Pipeline  
Artesia, New Mexico  
Figure 6 - Topographic Map





## **APPENDIX II**

**GROUNDWATER DATA**

**SOIL SURVEY**

**KARST MAP**

**FEMA MAP**



## 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	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 Q Q							X	Y	Distance	DepthWell	DepthWater	Water Column		
				6416	4	Sec	Tws	Rng										
<u>CP 01701</u> POD1		CP	LE	1	3	35	21	S	32	E	626652	3589283		1197	840	560	280	
<u>C 02821</u>		C	LE	2	2	3	14	22	S	32	E	627303	3584563*		3937	540	340	200
<u>C 02096</u>		CUB	ED		2	3	14	22	S	32	E	627204	3584464*		4044	435	360	75
<u>C 03717</u> POD1		C	LE	4	4	1	09	22	S	32	E	624094	3586365		4060	650		

Average Depth to Water: 420 feet

Minimum Depth: 340 feet

Maximum Depth: 560 feet

**Record Count: 4**

**UTM NAD83 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

# Enterprise 1009 Line Strike

Enterprise Products  
Lea County, NM  
Karst Map

Legend

High

Low

Medium

Enterprise 1009



8 mi



# National Flood Hazard Layer FIRMette



## Legend

SEE THIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

<b>SPECIAL FLOOD HAZARD AREAS</b>	<div>Without Base Flood Elevation (BFE) Zone A, V, AE9</div> <div>With BFE or Depth Zone AE, AO, AH, VE, AR</div> <div>Regulatory Floodway</div>
-----------------------------------	--

<b>OTHER AREAS OF FLOOD HAZARD</b>	<div>0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone 2</div> <div>Future Conditions 1% Annual Chance Flood Hazard Zone X</div> <div>Area with Reduced Flood Risk due to Levee, See Notes, Zone X</div> <div>Area with Flood Risk due to Levee Zone D</div>
------------------------------------	---

<b>OTHER AREAS</b>	<div>Area of Minimal Flood Hazard Zone X</div> <div>Effective LOMRs</div> <div>Area of Undetermined Flood Hazard Zone</div>
<b>GENERAL STRUCTURES</b>	<div>Channel, Culvert, or Storm Sewer</div> <div>Levee, Dike, or Floodwall</div>

<b>OTHER FEATURES</b>	<div>20.2 Cross Sections with 1% Annual Chance Water Surface Elevation 17.5</div> <div>Coastal Transect</div> <div>Base Flood Elevation Line (BFE)</div> <div>Limit of Study</div> <div>Jurisdiction Boundary</div> <div>Coastal Transect Baseline</div> <div>Profile Baseline</div> <div>Hydrographic Feature</div>
-----------------------	--

<b>MAP PANELS</b>	<div>Digital Data Available</div> <div>No Digital Data Available</div> <div>Unmapped</div>
-------------------	--

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/28/2019 at 11:13:33 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRI panel number, and FIRI effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

USGS The National Map: Orthoimagery, Data refreshed October 2017

32°25'22.41"N

103°38'9.23"W

LEACOUNTY  
350130

Zone D

35025 C1575D  
12/16/2008  
Not Printed

T22S R32E S2

T21S R32E S35

T21S R32E S36

T22S R32E S1

1,000

1,500

2,000

Feet

1:6,000

0 500 1,000 1,500 2,000

Received by OCD: 11/28/2020/28/24



## **APPENDIX III**

# **NMOCD CORRESPONDENCE**

## **INITIAL C-141**

**David J. Adkins**

**From:** Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>  
**Sent:** Tuesday, December 17, 2019 9:10 AM  
**To:** Fields, Jon; Miro, Alena; Bratcher, Mike, EMNRD  
**Cc:** EMNRD-OCD-District1spills; CFO\_Spill, BLM\_NM; David J. Adkins  
**Subject:** Enterprise 1009 Line Strike 1RP-5269  
**Attachments:** (C-141 remediation Plan) Denied 1RP-5269 Lea County Line 1009 12.17.19.pdf

**CAUTION EXTERNAL EMAIL**

Do not open attachments or click links from an unknown or suspicious origin.

**Enterprise 1009 Line Strike 1RP-5269**

Mr. Fields,

OCD has received your Remediation Plan and a Variance Request PO#: 82QY6-190823-C-1410 for Enterprise 1009 Line Strike 1RP-5269, thank you. This proposal is denied for the following:

- As a matter of form, OCD requires Enterprise to address the footprint of the entire affected area. OCD does not accept Enterprise's proposal that "the overspray area was to be addressed by the operator responsible for the pipeline strike". Enterprise is the responsible party for the entire affected area and, as such, the remediation proposal for the overspray area must be included in the Remediation Plan for this site.
- The entire release was in the pasture. By rule 19.15.29.13.D(1): The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material. Caliche is not acceptable for this site.
- Also, note that OCD no longer uses the Risk Based Ranking System to determine the degree of remediation required at any given site. Please refer to NMAC19.15.29:  
<http://164.64.110.134/parts/title19/19.015.0029.html>.
- OCD recommends more sample points be taken in areas between S4 and SP-8 (~180 feet) and between SP-8 and S3 (~300 feet). Also, more sample points are required to delineate the overspray area completely.
- In Table 12-11-18 Laboratory Report, Geoprobe Sampling, BTEX and GRO+DRO concentration at sample B1 @16 feet are over limit. More delineation is needed.
- In Table 1-21-19 Laboratory Report, BTEX and GRO+DRO concentration at sample SP-4 @6 feet are over limit. More delineation is needed.
- The venting system proposal seems not to be adequate for this site. Venting boreholes need to be on an approximate 5 feet spacing throughout the affected area.
- The variance request to install a 20-mil liner "to encapsulate the remaining petroleum impacts below 4-feet deep" is not approved. Of particular concern, is the lighter end hydrocarbons that have been determined to exist at significant depths.

For further clarifications regarding the implementation of the spill rule, visit the OCD website: <http://www.emnrd.state.nm.us/OCD/documents/OCDInternalPolicy-SpillRuleClarifications.pdf>

Regards,

Victoria Venegas  
EMNRD  
OCD-District II  
Artesia NM  
[Victoria.Venegas@state.nm.us](mailto:Victoria.Venegas@state.nm.us)



OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Alena Miro	Contact Telephone	575-628-6802
Contact email	ammiro@eprod.com	Incident # (assigned by OCD)	
Contact mailing address	PO Box 4324, Houston, TX 77210		

### Location of Release Source

Latitude N32.428141 Longitude W -103.6385  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	1009 Pipeline	Site Type	Pipeline ROW
Date Release Discovered	1/29/2020	API# (if applicable)	N/A

Unit Letter	Section	Township	Range	County
A	2	22S	23E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private : N/A

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 100 bbl	Volume Recovered (bbls) 0 bbls
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 1.25 MMscf	Volume Recovered (Mcf) 0 MCF
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

A pipeline release estimated at 1.25 MMscf of gas and 100 bbl of pipeline liquids occurred due to suspected internal corrosion.

Form C-141

Page 2


State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release is considered a major release as the estimated volume of gas and liquids released exceeded the major release thresholds as defined in 19.15.29.7(A) NMAC.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes; Jim Griswold and OCD Region 1 were notified via email of all information contained in the initial notification C-141 form on 1/30/20 at 9:36 am.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  N/A	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Jon E. Fields</u>	Title: <u>Director, Field Environmental</u>
Signature: <u></u>	Date: <u>2/10/2020</u>
email: <u>jefields@eprod.com</u>	Telephone: <u>713-381-6684</u>
<b>OCD Only</b>	
Received by: _____	Date: _____





## APPENDIX IV

# PHOTOGRAPHIC DOCUMENTATION

Figure 1: February 18, 2020 Aerial Photographs









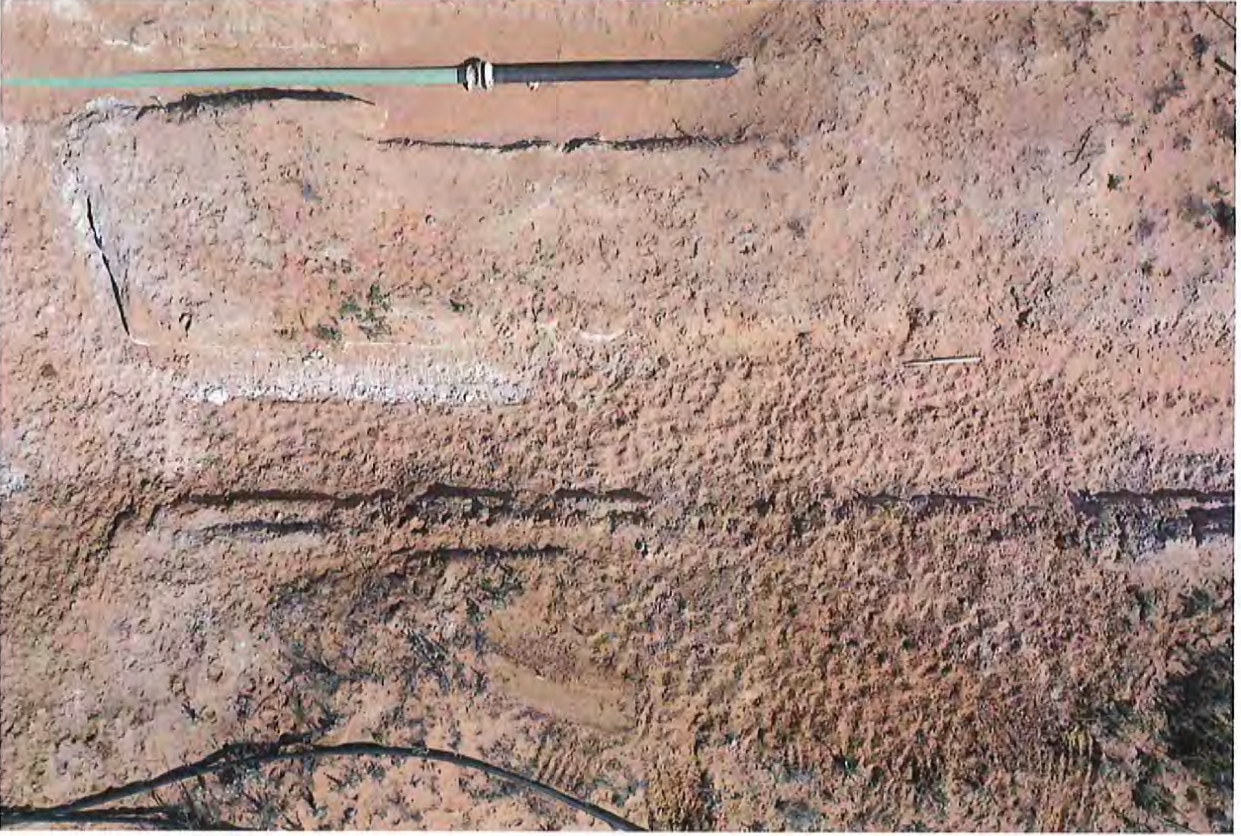




Figure 2: April 16, 2020 Aerial Photographs



















## APPENDIX V

# LABORATORY DATA





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

December 30, 2019

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 12/23/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://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





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

**Analytical Results For:**

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

Received: 12/23/2019  
 Reported: 12/30/2019  
 Project Name: ENTERPRISE PIPELINE #1009  
 Project Number: 700348.425.01  
 Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HA - 1 0-1' (H904288-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.355</b>	0.050	12/27/2019	ND	1.61	80.3	2.00	12.1	
<b>Toluene*</b>	<b>0.187</b>	0.050	12/27/2019	ND	1.53	76.5	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.60	79.8	2.00	5.83	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.88	81.4	6.00	11.3	
<b>Total BTEX</b>	<b>0.542</b>	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PII) 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	12/26/2019	ND	432	108	400	7.69	

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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 95.1 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 1 2' (H904288-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.198	0.050	12/27/2019	ND	1.61	80.3	2.00	12.1	
Toluene*	0.101	0.050	12/27/2019	ND	1.53	76.5	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.60	79.8	2.00	5.83	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.88	81.4	6.00	11.3	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 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	12/26/2019	ND	432	108	400	7.69	

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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 97.3 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 2 0-1' (H904288-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.143</b>	0.050	12/27/2019	ND	1.61	80.3	2.00	12.1	
<b>Toluene*</b>	<b>0.050</b>	0.050	12/27/2019	ND	1.53	76.5	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.60	79.8	2.00	5.83	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	4.88	81.4	6.00	11.3	
Total BTEX	<0.300	0.300	12/27/2019	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
<b>Chloride</b>	<b>192</b>	16.0	12/26/2019	ND	432	108	400	7.69	

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	12/27/2019	ND	201	100	200	1.46	
<b>DRO &gt;C10-C28*</b>	<b>11.0</b>	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 89.1 % 41-142

Surrogate: 1-Chlorooctadecane 98.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 12/23/2019  
 Reported: 12/30/2019  
 Project Name: ENTERPRISE PIPELINE #1009  
 Project Number: 700348.425.01  
 Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: HA - 2 2' (H904288-04)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.3 % 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	160	16.0	12/26/2019	ND	432	108	400	7.69	

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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 90.7 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 3 0-1' (H904288-05)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.8 % 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	12/26/2019	ND	432	108	400	7.69	
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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 94.6 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 3 2' (H904288-06)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.8 % 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	12/26/2019	ND	432	108	400	7.69		

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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 92.3 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 4 0-1' (H904288-07)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 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	12/26/2019	ND	432	108	400	7.69	

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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 96.1 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 4 2' (H904288-08)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEx	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.5 % 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	48.0	16.0	12/27/2019	ND	416	104	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	12/27/2019	ND	201	100	200	1.46		
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND						

Surrogate: 1-Chlorooctane 95.4 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 5 0-1' (H904288-09)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	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	<16.0	16.0	12/27/2019	ND	416	104	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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 92.6 % 41-142

Surrogate: 1-Chlorooctadecane 99.9 % 37.6-147

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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 5 2' (H904288-10)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.5 % 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	12/27/2019	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					

Surrogate: 1-Chlorooctane 96.7 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 6 0-1' (H904288-11)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.6 % 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	240	16.0	12/27/2019	ND	416	104	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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 94.2 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 6 2' (H904288-12)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9		
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4		
Total BTEx	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.0 % 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	160	16.0	12/27/2019	ND	416	104	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	12/27/2019	ND	201	100	200	1.46	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	213	107	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 86.3 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 7 0-1' (H904288-13)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9		
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4		
Total BTEX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.6 % 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	12/27/2019	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 7 2' (H904288-14)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 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	240	16.0	12/27/2019	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						

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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 127 % 37.6-147

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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 8 0-1' (H904288-15)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	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	16.0	16.0	12/27/2019	ND	416	104	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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 126 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 8 2' (H904288-16)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.6 % 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	12/27/2019	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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 127 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 9 0-1' (H904288-17)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9		
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4		
Total BTEX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.5 % 73.3-129

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/27/2019	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	12/27/2019	ND	222	111	200	0.854		
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42		
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND						

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 9 2' (H904288-18)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	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	32.0	16.0	12/27/2019	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						

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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 129 % 37.6-147

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*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 10 0-1' (H904288-19)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9		
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4		
Total BTEX	<0.300	0.300	12/27/2019	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	<16.0	16.0	12/27/2019	ND	416	104	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	12/27/2019	ND	222	111	200	0.854		
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42		
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND						

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 127 % 37.6-147

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 10 2' (H904288-20)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTEX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.2 % 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	64.0	16.0	12/27/2019	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					

GRO C6-C10*	<10.0	10.0	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 11 0-1' (H904288-21)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9		
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4		
Total BTEX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.7 % 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	12/27/2019	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 11 2' (H904288-22)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2019	ND	1.90	94.8	2.00	12.9		
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4		
Total BTEX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.6 % 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	12/27/2019	ND	416	104	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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 121 % 41-142

Surrogate: 1-Chlorooctadecane 131 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 12 3' (H904288-23)**

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	12/27/2019	ND	1.90	94.8	2.00	12.9	
Toluene*	<0.050	0.050	12/27/2019	ND	1.89	94.7	2.00	12.8	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.66	94.3	6.00	12.4	
Total BTX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.4 % 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	12/27/2019	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						

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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 129 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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: HA - 12 4' (H904288-24)**

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	12/26/2019	ND	1.96	97.8	2.00	0.173		
Toluene*	<0.050	0.050	12/26/2019	ND	1.95	97.5	2.00	0.659		
Ethylbenzene*	<0.050	0.050	12/26/2019	ND	1.99	99.7	2.00	0.738		
Total Xylenes*	<0.150	0.150	12/26/2019	ND	5.81	96.9	6.00	0.767		
Total BTEX	<0.300	0.300	12/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	12/27/2019	ND	416	104	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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 130 % 37.6-147

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*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 13 3' (H904288-25)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	2.56	0.500	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	9.28	0.500	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	87.0	1.50	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTEX	98.8	3.00	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 164 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/27/2019	ND	416	104	400	3.77	
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*	1460	10.0	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	558	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 156 % 41-142

Surrogate: 1-Chlorooctadecane 127 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: HA - 13 4' (H904288-26)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	7.48	1.00	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	11.0	1.00	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	242	3.00	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTX	26.0	6.00	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 136 % 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	12/27/2019	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
									S-04	

Surrogate: 1-Chlorooctane 162 % 41-142

Surrogate: 1-Chlorooctadecane 132 % 37.6-147

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*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: HA - 14 3' (H904288-27)**

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	12/26/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	0.054	0.050	12/26/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	<0.050	0.050	12/26/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	0.944	0.150	12/26/2019	ND	5.81	96.9	6.00	0.767	
Total BTEX	0.998	0.300	12/26/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.7 % 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	12/27/2019	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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 127 % 37.6-147

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*CELEY D. KEENE*

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 14 4' (H904288-28)**

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	12/26/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	<0.050	0.050	12/26/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	<0.050	0.050	12/26/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	<0.150	0.150	12/26/2019	ND	5.81	96.9	6.00	0.767	
Total BTEX	<0.300	0.300	12/26/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.9 % 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	12/27/2019	ND	416	104	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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 131 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 15 3' (H904288-29)**

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	12/26/2019	ND	1.96	97.8	2.00	0.173		
Toluene*	<0.050	0.050	12/26/2019	ND	1.95	97.5	2.00	0.659		
Ethylbenzene*	<0.050	0.050	12/26/2019	ND	1.99	99.7	2.00	0.738		
Total Xylenes*	<0.150	0.150	12/26/2019	ND	5.81	96.9	6.00	0.767		
Total BTEX	<0.300	0.300	12/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 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	12/27/2019	ND	416	104	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	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 130 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 15 4' (H904288-30)**

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	12/26/2019	ND	1.96	97.8	2.00	0.173		
Toluene*	<0.050	0.050	12/26/2019	ND	1.95	97.5	2.00	0.659		
Ethylbenzene*	<0.050	0.050	12/26/2019	ND	1.99	99.7	2.00	0.738		
Total Xylenes*	<0.150	0.150	12/26/2019	ND	5.81	96.9	6.00	0.767		
Total BTEX	<0.300	0.300	12/26/2019	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	12/27/2019	ND	416	104	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	12/27/2019	ND	222	111	200	0.854		
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	224	112	200	2.42		
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND						

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 130 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 16 3' (H904288-31)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	<b>0.921</b>	0.500	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	<b>2.92</b>	0.500	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	<b>24.9</b>	1.50	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTX	<b>28.8</b>	3.00	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 125 % 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	12/27/2019	ND	416	104	400	3.77	

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*	<b>549</b>	10.0	12/27/2019	ND	222	111	200	0.854		
DRO >C10-C28*	<b>293</b>	10.0	12/27/2019	ND	224	112	200	2.42		
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND						

Surrogate: 1-Chlorooctane 164 % 41-142

Surrogate: 1-Chlorooctadecane 129 % 37.6-147

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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 16 4' (H904288-32)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	12/28/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	151	2.00	12/28/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	115	2.00	12/28/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	839	6.00	12/28/2019	ND	5.81	96.9	6.00	0.767	
Total BTEX	1110	12.0	12/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 148 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/27/2019	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*	6690	10.0	12/27/2019	ND	222	111	200	0.854	
DRO >C10-C28*	966	10.0	12/27/2019	ND	224	112	200	2.42	
EXT DRO >C28-C36	21.9	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 190 % 41-142

Surrogate: 1-Chlorooctadecane 135 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: HA - 17 3' (H904288-33)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	0.492	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	0.540	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	4.15	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTEx	5.18	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 161 % 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	12/27/2019	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*	143	10.0	12/27/2019	ND	201	100	200	3.26	
DRO >C10-C28*	461	10.0	12/27/2019	ND	210	105	200	7.68	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: HA - 17 4' (H904288-34)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	2.30	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	5.83	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	45.3	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTEx	53.4	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 345 % 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	12/27/2019	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*	914	10.0	12/27/2019	ND	201	100	200	3.26	
DRO >C10-C28*	271	10.0	12/27/2019	ND	210	105	200	7.68	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 99.4 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: HA - 18 3' (H904288-35)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	0.052	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	0.064	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	0.545	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTEx	0.661	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.6 % 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	12/27/2019	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						

Surrogate: 1-Chlorooctane 97.3 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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\*=Accredited Analyte

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: HA - 18 4' (H904288-36)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTEX	<0.300	0.300	12/27/2019	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	12/27/2019	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	12/27/2019	ND	201	100	200	3.26	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	210	105	200	7.68	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 97.6 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 1 3' COMPOSITE (H904288-37)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173		
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767		
Total BTEX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.8 % 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	12/27/2019	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						

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	12/27/2019	ND	201	100	200	3.26	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	210	105	200	7.68	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 94.6 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 2 3' COMPOSITE (H904288-38)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.7 % 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	12/27/2019	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						

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	12/27/2019	ND	201	100	200	3.26	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	210	105	200	7.68	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 3 3' COMPOSITE (H904288-39)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173		
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767		
Total BTX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.3 % 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	48.0	16.0	12/27/2019	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						

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	12/27/2019	ND	201	100	200	3.26	
DRO >C10-C28*	106	10.0	12/27/2019	ND	210	105	200	7.68	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 4 3' COMPOSITE (H904288-40)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 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	12/27/2019	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	12/27/2019	ND	201	100	200	3.26	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	210	105	200	7.68	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 5 3' COMPOSITE (H904288-41)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173		
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767		
Total BTEX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.6 % 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	12/27/2019	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	12/27/2019	ND	212	106	200	4.37		
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	220	110	200	6.65		
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND						

Surrogate: 1-Chlorooctane 92.6 % 41-142

Surrogate: 1-Chlorooctadecane 97.7 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 6 3' COMPOSITE (H904288-42)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173	
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767	
Total BTEx	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.7 % 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	12/27/2019	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	12/27/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/27/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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Celestine D. Keene, Lab Director/Quality Manager

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 7 3' COMPOSITE (H904288-43)**

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	12/27/2019	ND	1.96	97.8	2.00	0.173		
Toluene*	<0.050	0.050	12/27/2019	ND	1.95	97.5	2.00	0.659		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.99	99.7	2.00	0.738		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.81	96.9	6.00	0.767		
Total BTEX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.7 % 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	12/27/2019	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	12/27/2019	ND	212	106	200	4.37		
DRO >C10-C28*	128	10.0	12/27/2019	ND	220	110	200	6.65		
EXT DRO >C28-C36	<10.0	10.0	12/27/2019	ND						

Surrogate: 1-Chlorooctane 95.4 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 8 3' COMPOSITE (H904288-44)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.098	0.050	12/27/2019	ND	1.96	98.2	2.00	2.43	
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
Total BTEX	<0.300	0.300	12/27/2019	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	12/27/2019	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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 9 3' COMPOSITE (H904288-45)**

BTEx 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.102	0.050	12/27/2019	ND	1.96	98.2	2.00	2.43	
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
Total BTEX	<0.300	0.300	12/27/2019	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	560	16.0	12/27/2019	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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 10 3' COMPOSITE (H904288-46)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.059</b>	0.050	12/27/2019	ND	1.96	98.2	2.00	2.43	
<b>Toluene*</b>	<b>0.051</b>	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
<b>Ethylbenzene*</b>	<b>0.188</b>	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
<b>Total Xylenes*</b>	<b>0.883</b>	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
<b>Total BTX</b>	<b>1.18</b>	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 128 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	12/27/2019	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
<b>GRO C6-C10*</b>	<b>14.7</b>	10.0	12/28/2019	ND	212	106	200	4.37	
<b>DRO &gt;C10-C28*</b>	<b>182</b>	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 11 3' COMPOSITE (H904288-47)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.055</b>	0.050	12/27/2019	ND	1.96	98.2	2.00	2.43	
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
Total BTX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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
<b>Chloride</b>	<b>32.0</b>	16.0	12/27/2019	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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 99.0 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 12 3' COMPOSITE (H904288-48)**

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	12/27/2019	ND	1.96	98.2	2.00	2.43	
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
Total BTX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.3 % 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	368	16.0	12/27/2019	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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.5 % 37.6-147

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Page 95 of 210  
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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/20/2019
Reported:	12/30/2019	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: SW - 13 3' COMPOSITE (H904288-49)**

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	12/27/2019	ND	1.96	98.2	2.00	2.43		
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34		
Total BTEX	<0.300	0.300	12/27/2019	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	12/27/2019	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	12/28/2019	ND	212	106	200	4.37		
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65		
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND						

Surrogate: 1-Chlorooctane 96.0 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/20/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 14 3' COMPOSITE (H904288-50)**

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	12/27/2019	ND	1.96	98.2	2.00	2.43		
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34		
Total BTX	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 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	12/27/2019	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						

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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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 8' (H904288-51)**

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	12/27/2019	ND	1.96	98.2	2.00	2.43	
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
Total BTEx	<0.300	0.300	12/27/2019	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	<16.0	16.0	12/27/2019	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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 96.6 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP- 4 10' (H904288-52)**

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	12/27/2019	ND	1.96	98.2	2.00	2.43	
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
Total BTEX	<0.300	0.300	12/27/2019	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	12/27/2019	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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 103 % 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

Page 99 of 210  
Received by OCD: 4/28/2020 11:29:39 AM



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**Analytical Results For:**

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

Received:	12/23/2019	Sampling Date:	12/19/2019
Reported:	12/30/2019	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 12' (H904288-53)**

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	12/27/2019	ND	1.96	98.2	2.00	2.43		
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933		
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107		
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34		
Total BTEx	<0.300	0.300	12/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	12/27/2019	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	12/28/2019	ND	212	106	200	4.37		
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65		
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND						

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 12/23/2019  
Reported: 12/30/2019  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 12/19/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP- 4 14' (H904288-54)**

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	12/27/2019	ND	1.96	98.2	2.00	2.43	
Toluene*	<0.050	0.050	12/27/2019	ND	1.87	93.7	2.00	0.933	
Ethylbenzene*	<0.050	0.050	12/27/2019	ND	1.84	91.8	2.00	0.107	
Total Xylenes*	<0.150	0.150	12/27/2019	ND	5.77	96.1	6.00	1.34	
Total BTX	<0.300	0.300	12/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PII) 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	12/27/2019	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	12/28/2019	ND	212	106	200	4.37	
DRO >C10-C28*	<10.0	10.0	12/28/2019	ND	220	110	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	12/28/2019	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

104 East Mariand, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2478

### ANALYSIS REQUEST

Company Name: Talon LPE		P.O. #: 700348-425-01	
Project Manager: David Addkins		Company: Talon LPE	
Address: 408 W Texas Ave		Attn: David Addkins	
City: Artesia	State: NM Zip: 88210	Address:	
Phone #: 575-746-8769	Fax #:	City:	
Project #: 700348-425-01	Project Owner: Enterprise	State:	
Project Name: Enterprise 1003 Spill	City:	Zip:	
Project Location: Lea County	Phone #:	Fax #:	
Sampler Name: Brandon Sindair			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH EXT	BTEX	Total Chlorides
4204258	HA-1 0-1'	G		GROUNDWATER			12-19-19	0945	✓	✓	✓
	HA-1 2'			WASTEWATER				0950			
	HA-2 0-1'			SOIL				10:10			
	HA-2 2'			OIL				10:15			
	HA-3 0-1'			SLUDGE				10:35			
	HA-3 2'			OTHER:				10:40			
	HA-4 0-1'			ACID/BASE:				11:00			
	HA-4 2'			ICE / COOL				11:05			
	HA-5 0-1'			OTHER:				11:25			
	HA-5 2'							11:30			

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Relinquished By: <i>Brandon Sindair</i>	Date: 12-23-19	Received By: <i>Brandon Sindair</i>	Date: 12-23-19
Time: 12:55	Time: 12:55	Time: 12:55	Time: 12:55
Delivered By: (Circle One) 1.8c	Time: 12:55	Time: 12:55	Time: 12:55
Sampler - UPS - Bus - Other: <i>1.8c</i>	Time: 12:55	Time: 12:55	Time: 12:55
Sample Condition: <i>Good</i>	Time: 12:55	Time: 12:55	Time: 12:55
Checked By: <i>Brandon Sindair</i>	Time: 12:55	Time: 12:55	Time: 12:55
Initials: <i>BS</i>	Time: 12:55	Time: 12:55	Time: 12:55
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Time: 12:55	Time: 12:55	Time: 12:55
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Time: 12:55	Time: 12:55	Time: 12:55
Adm Phone #: _____	Time: 12:55	Time: 12:55	Time: 12:55
Adm Fax #: _____	Time: 12:55	Time: 12:55	Time: 12:55





# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE		P.O. #: 700348-425-01	
Project Manager: David Adkins		Company: Talon LPE	
Address: 408 W Texas Ave		City: Atesia	
Phone #: 575-746-8769		State: NM Zip: 86210	
Project #: 700348-425-01		Project Owner: Enterprise	
Project Name: Enterprise 1009 Spill		City:	
Project Location: Lea County		State:	
Sampler Name: Brandon Sinclair		Phone #:	
FOR LAB USE ONLY		Fax #:	

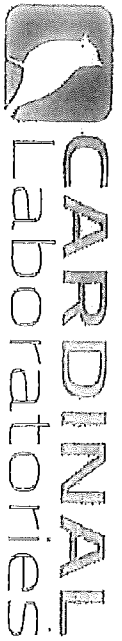
Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP.	# CONTAINERS	MATRIX										DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:				
H904288																
11	HA-6 0-1'	6											12-19-19	11:40	✓	TPH EXT
12	HA-6 2'													11:45	✓	BTEX
13	HA-7 0-1'													12:05	✓	Total Chlorides
14	HA-7 2'													12:10		
15	HA-8 0-1'													12:30		
16	HA-8 2'													12:35		
17	HA-9 0-1'													12:55		
18	HA-9 2'													13:00		
19	HA-10 0-1'													13:20		
20	HA-10 2'													13:25		

Relinquished By: <i>Br. Sinclair</i>	Date: 12-19-19	Time: 12:55	Received By: <i>Brandon Sinclair</i>	Date: 12-19-19	Time: 13:45
Delivered By: (Circle One) <i>1.8c</i>	Sample Condition: <i>Good</i>	Checked By: <i>Brandon Sinclair</i>	Sample Condition: <i>Good</i>	Checked By: <i>Brandon Sinclair</i>	Sample Condition: <i>Good</i>
Sampler - UPS - Bus - Other: <i>Contaminated 2.2c</i>	Coil: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Trace: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Coil: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Trace: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Trace: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

REMARKS: Pg. 2 of 6

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Talon LPE</b>		P.O. # <b>700348-425-A</b>			
Project Manager: <b>David Addkins</b>		Company: <b>Talon LPE</b>			
Address: <b>408 W Texas Ave</b>		Attn: <b>David Addkins</b>			
City: <b>Artesia</b>		State: <b>NM</b> Zip: <b>88210</b>			
Phone #: <b>575-746-8768</b> Fax #:		Address:			
Project #: <b>700348-425.01</b> Project Owner: <b>Enterprise</b>		City:			
Project Name: <b>Enterprise 1009 Spill</b>		State: Zip:			
Project Location: <b>Lea County</b>		Phone #:			
Sampler Name: <b>Brandon Sinclair</b>		Fax #:			
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	MATRIX		PRESERV.	SAMPLING
		(G)RAB OR (C)OMP.	# CONTAINERS		
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE	TIME		
1904288	HA-11 0-1'	6	12-19-19	13:45	TPH EXT
21	HA-11 2'		13:50		BTEX
22	HA-12 3'		14:30		Total chlorides
23	HA-12 4'		12-20-19	10:00	
24	HA-13 3'		10:05		
25	HA-13 4'		10:25		
26	HA-14 3'		10:30		
27	HA-14 4'		10:50		
28	HA-15 3'		10:55		
29	HA-15 4'				
30	HA-15 4'				

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Relinquished By: *Brandon Sinclair* Date: *12-23-19* Time: *13:55* Received By: *Brandon Sinclair* Date: *12-23-19* Time: *13:45*

Delivered By: (Circle One) *Brandon Sinclair* 1.8c *Lawrence Black* Sample Condition: *Good* Intact: *Yes* Cool: *Yes* Checked By: (Initials) *VS*

Sampler - UPS - Bure - Other: *Collected 3.21*

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

REMARKS: *Pg. 3 of 6*

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

April 15, 2020

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 04/07/20 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/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





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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B - 3 4'	H001038-01	Soil	01-Apr-20 09:56	07-Apr-20 16:31
SP - 5 3' COMP	H001038-11	Soil	01-Apr-20 10:33	07-Apr-20 16:31
SP - 6 3' COMP	H001038-12	Soil	01-Apr-20 10:35	07-Apr-20 16:31
HA - 18 4'	H001038-13	Soil	01-Apr-20 10:45	07-Apr-20 16:31
SW - 13 3' COMP	H001038-22	Soil	01-Apr-20 11:21	07-Apr-20 16:31
SW - 14 3' COMP	H001038-23	Soil	01-Apr-20 11:24	07-Apr-20 16:31
S - 4 4'	H001038-24	Soil	01-Apr-20 12:05	07-Apr-20 16:31
S - 4 6'	H001038-25	Soil	01-Apr-20 12:08	07-Apr-20 16:31
S - 4 8'	H001038-26	Soil	01-Apr-20 12:10	07-Apr-20 16:31
S - 4 10'	H001038-27	Soil	01-Apr-20 12:13	07-Apr-20 16:31
SW - 15 3' COMP	H001038-33	Soil	01-Apr-20 12:42	07-Apr-20 16:31
SW - 16 3' COMP	H001038-34	Soil	01-Apr-20 12:43	07-Apr-20 16:31
HA - 17 4'	H001038-35	Soil	01-Apr-20 12:47	07-Apr-20 16:31
HA - 17 6'	H001038-36	Soil	01-Apr-20 12:50	07-Apr-20 16:31
HA - 17 8'	H001038-37	Soil	01-Apr-20 12:52	07-Apr-20 16:31
SW - 11 3' COMP	H001038-44	Soil	01-Apr-20 13:24	07-Apr-20 16:31
SW - 12 3' COMP	H001038-45	Soil	01-Apr-20 13:26	07-Apr-20 16:31
HA - 16 4'	H001038-46	Soil	01-Apr-20 13:30	07-Apr-20 16:31
HA - 16 6'	H001038-47	Soil	01-Apr-20 13:34	07-Apr-20 16:31
HA - 16 8'	H001038-48	Soil	01-Apr-20 13:37	07-Apr-20 16:31
SW - 9 3' COMP	H001038-55	Soil	01-Apr-20 14:10	07-Apr-20 16:31
SW - 10 3' COMP	H001038-56	Soil	01-Apr-20 14:12	07-Apr-20 16:31
SP - 8 4'	H001038-57	Soil	01-Apr-20 14:26	07-Apr-20 16:31
SP - 7 3' COMP	H001038-66	Soil	01-Apr-20 15:00	07-Apr-20 16:31
SP - 9 3' COMP	H001038-67	Soil	01-Apr-20 15:05	07-Apr-20 16:31
HA - 15 4'	H001038-68	Soil	02-Apr-20 09:19	07-Apr-20 16:31
HA - 15 6'	H001038-69	Soil	02-Apr-20 09:22	07-Apr-20 16:31

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

HA - 15' 8"	H001038-70	Soil	02-Apr-20 09:25	07-Apr-20 16:31
SW - 7' 3" COMP	H001038-77	Soil	02-Apr-20 10:02	07-Apr-20 16:31
SW - 8' 3" COMP	H001038-78	Soil	02-Apr-20 10:05	07-Apr-20 16:31
HA - 14' 4"	H001038-79	Soil	02-Apr-20 10:09	07-Apr-20 16:31
SW - 5' 3" COMP	H001038-88	Soil	02-Apr-20 10:45	07-Apr-20 16:31
SW - 6' 3" COMP	H001038-89	Soil	02-Apr-20 10:48	07-Apr-20 16:31
HA - 13' 4"	H001038-90	Soil	02-Apr-20 10:53	07-Apr-20 16:31

04/15/20 - Client added analysis to samples -26, -27, -47 and -48. This is the revised report and will replace the one sent on 04/13/20.

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Celest D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**B - 3 4'****H001038-01 (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	0040907	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040805	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129 0040805 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040803	MS	08-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040803	MS	08-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040803	MS	08-Apr-20	8015B	

Surrogate: 1-Chlorooctane 93.0 % 44.3-144 0040803 MS 08-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 103 % 42.2-156 0040803 MS 08-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SP - 5 3' COMP**  
**H001038-11 (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	0040907	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040805	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040805	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129 0040805 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	

Surrogate: 1-Chlorooctane 90.3 % 44.3-144 0040807 MS 08-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 93.3 % 42.2-156 0040807 MS 08-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SP - 6 3' COMP****H001038-12 (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	0040907	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040810	MS	08-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040810	MS	08-Apr-20	8021B	QR-03
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040810	MS	08-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040810	MS	08-Apr-20	8021B	QR-03
Total BTEX	<0.300		0.300	mg/kg	50	0040810	MS	08-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %	73.3-129		0040810	MS	08-Apr-20	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	

Surrogate: 1-Chlorooctane			92.1 %	44.3-144		0040807	MS	08-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			97.1 %	42.2-156		0040807	MS	08-Apr-20	8015B	
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Caley D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 18 4'**  
**H001038-13 (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	0040907	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040810	MS	08-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040810	MS	08-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040810	MS	08-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040810	MS	08-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040810	MS	08-Apr-20	8021B
Surrogate: 4-Bromofluorobenzene (PID)		99.5 %	73.3-129		0040810	MS	08-Apr-20	8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B
Surrogate: 1-Chlorooctane		97.4 %	44.3-144		0040807	MS	08-Apr-20	8015B
Surrogate: 1-Chlorooctadecane		100 %	42.2-156		0040807	MS	08-Apr-20	8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 13 3' COMP****H001038-22 (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	0040907	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.3 %	73.3-129		0040810	MS	09-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
Surrogate: 1-Chlorooctane			90.3 %	44.3-144		0040807	MS	08-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			94.8 %	42.2-156		0040807	MS	08-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 14 3' COMP**

H001038-23 (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	0040907	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.6 %	73.3-129		0040810	MS	09-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040807	MS	08-Apr-20	8015B	
Surrogate: 1-Chlorooctane			94.9 %	44.3-144		0040807	MS	08-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			96.6 %	42.2-156		0040807	MS	08-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

S- 4 4'  
H001038-24 (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	0040907	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total Xylenes*	0.515	0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total BTEX	0.515	0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID)	119 %	73.3-129	0040810	MS	09-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	25.5	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	368	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	10.1	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane	108 %	44.3-144	0040808	MS	09-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	106 %	42.2-156	0040808	MS	09-Apr-20	8015B
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

S- 4 6'  
H001038-25 (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	0040907	AC	09-Apr-20	4500-CL-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID)	99.7 %	73.3-129	0040810	MS	09-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane	94.7 %	44.3-144	0040808	MS	09-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	99.6 %	42.2-156	0040808	MS	09-Apr-20	8015B
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Cardinal Laboratories

\*==Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

S- 4 8'  
H001038-26 (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	0040907	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Toluene*	0.092	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total Xylenes*	3.58	0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total BTEX	3.67	0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B

Surrogate: 1-Bromofluorobenzene (PID)	165 %	73.3-129	0040810	MS	09-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	180	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	182	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane	116 %	44.3-144	0040808	MS	09-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	102 %	42.2-156	0040808	MS	09-Apr-20	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

S- 4 10'

H001038-27 (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	0040907	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129 0040810 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane 99.0 % 44.3-144 0040808 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 104 % 42.2-156 0040808 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 15 3' COMP****H001038-33 (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	0040908	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B
Surrogate: 4-Bromofluorobenzene (PID)	99.1 %	73.3-129	0040810	MS	09-Apr-20	8021B		

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	39.8	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
Surrogate: 1-Chlorooctane	97.8 %	44.3-144	0040808	MS	09-Apr-20	8015B		
Surrogate: 1-Chlorooctadecane	101 %	42.2-156	0040808	MS	09-Apr-20	8015B		

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 16 3' COMP****H001038-34 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total Xylenes*	0.674		0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total BTEX	0.674		0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 125 % 73.3-129 0040810 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	12.3		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	36.6		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 95.2 % 44.3-144 0040808 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 98.3 % 42.2-156 0040808 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 17 4'**  
**H001038-35 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Toluene*	3.75		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Ethylbenzene*	3.58		0.050	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total Xylenes*	43.0		0.150	mg/kg	50	0040810	MS	09-Apr-20	8021B	
Total BTEX	50.3		0.300	mg/kg	50	0040810	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			394 %	73.3-129		0040810	MS	09-Apr-20	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	684		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	221		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane			138 %	44.3-144		0040808	MS	09-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	42.2-156		0040808	MS	09-Apr-20	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 17 6'**  
**H001038-36 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.500		0.500	mg/kg	500	0040810	MS	09-Apr-20	8021B	
Toluene*	36.2		0.500	mg/kg	500	0040810	MS	09-Apr-20	8021B	
Ethylbenzene*	24.7		0.500	mg/kg	500	0040810	MS	09-Apr-20	8021B	
Total Xylenes*	191		1.50	mg/kg	500	0040810	MS	09-Apr-20	8021B	
Total BTEX	252		3.00	mg/kg	500	0040810	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 155 % 73.3-129 0040810 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID****S-04**

GRO C6-C10*	2870		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	433		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 174 % 44.3-144 0040808 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 97.5 % 42.2-156 0040808 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

HA - 17 8'  
H001038-37 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Toluene*	0.620	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Ethylbenzene*	0.841	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total Xylenes*	9.49	0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B	QM-07
Total BTEX	11.0	0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	161 %	73.3-129	0040811	MS	09-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	37.1	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	18.2	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane	99.7 %	44.3-144	0040808	MS	09-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	101 %	42.2-156	0040808	MS	09-Apr-20	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 11 3' COMP**  
**H001038-44 (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	0040908	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Toluene*	0.094	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Ethylbenzene*	4.08	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total Xylenes*	6.57	0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total BTEX	10.7	0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID)	239 %	73.3-129	0040811	MS	09-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	178	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	315	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane	126 %	44.3-144	0040808	MS	09-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	109 %	42.2-156	0040808	MS	09-Apr-20	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 12 3' COMP****H001038-45 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Toluene*	0.164		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total Xylenes*	6.29		0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total BTEX	6.45		0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			217 %	73.3-129		0040811	MS	09-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	154		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	344		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			122 %	44.3-144		0040808	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			103 %	42.2-156		0040808	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 16 4'**  
**H001038-46 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B
Surrogate: 4-Bromofluorobenzene (PID)		99.9 %	73.3-129		0040811	MS	09-Apr-20	8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
Surrogate: 1-Chlorooctane		93.5 %	44.3-144		0040808	MS	09-Apr-20	8015B
Surrogate: 1-Chlorooctadecane		97.8 %	42.2-156		0040808	MS	09-Apr-20	8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 16 6'**  
**H001038-47 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Toluene*	0.171		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Ethylbenzene*	0.053		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total Xylenes*	0.380		0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total BTEX	0.604		0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129 0040811 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 93.8 % 44.3-144 0040808 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 97.2 % 42.2-156 0040808 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 16 8'**  
**H001038-48 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.0 %	73.3-129		0040811	MS	09-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			95.8 %	44.3-144		0040808	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			101 %	42.2-156		0040808	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 9 3' COMP**  
**H001038-55 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
<b>Total Xylenes*</b>	<b>0.208</b>		0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 127 % 73.3-129 0040811 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	12.4		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	178		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 99.1 % 44.3-144 0040808 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 101 % 42.2-156 0040808 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 10 3' COMP**

H001038-56 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.8 %	73.3-129		0040811	MS	09-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			94.7 %	44.3-144		0040808	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			98.5 %	42.2-156		0040808	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

SP- 8 4'  
H001038-57 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129 0040811 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040808	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane 102 % 44.3-144 0040808 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 107 % 42.2-156 0040808 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SP - 7 3' COMP****H001038-66 (Soil)**

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

Chloride	80.0	16.0	mg/kg	4	0040908	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID)	105 %	73.3-129	0040811	MS	09-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B
DRO >C10-C28*	78.8	10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B

Surrogate: 1-Chlorooctane	84.9 %	44.3-144	0040809	MS	08-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	89.5 %	42.2-156	0040809	MS	08-Apr-20	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SP - 9 3' COMP****H001038-67 (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	0040908	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040811	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040811	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129 0040811 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B	

Surrogate: 1-Chlorooctane 93.9 % 44.3-144 0040809 MS 08-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 98.2 % 42.2-156 0040809 MS 08-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

HA - 15 4'  
H001038-68 (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	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.500	0.500	mg/kg	500	0040811	MS	13-Apr-20	8021B
Toluene*	4.10	0.500	mg/kg	500	0040811	MS	13-Apr-20	8021B
Ethylbenzene*	<0.500	0.500	mg/kg	500	0040811	MS	13-Apr-20	8021B
Total Xylenes*	67.6	1.50	mg/kg	500	0040811	MS	13-Apr-20	8021B
Total BTEX	71.7	3.00	mg/kg	500	0040811	MS	13-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID) 154 % 73.3-129 0040811 MS 13-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	693	10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B
DRO >C10-C28*	323	10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040809	MS	08-Apr-20	8015B

Surrogate: 1-Chlorooctane 115 % 44.3-144 0040809 MS 08-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 98.2 % 42.2-156 0040809 MS 08-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: ENTERPRISE PIPELINE #1009 Project Number: 700348.425.01 Project Manager: DAVID ADKINS Fax To: (575) 745-8905	Reported: 15-Apr-20 09:20
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**HA - 15 6'**  
**H001038-69 (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	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

**S-04**

Benzene*	<0.500		0.500	mg/kg	500	0040811	MS	13-Apr-20	8021B	
Toluene*	6.51		0.500	mg/kg	500	0040811	MS	13-Apr-20	8021B	
Ethylbenzene*	<0.500		0.500	mg/kg	500	0040811	MS	13-Apr-20	8021B	
Total Xylenes*	96.2		1.50	mg/kg	500	0040811	MS	13-Apr-20	8021B	
Total BTEX	103		3.00	mg/kg	500	0040811	MS	13-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			136 %	73.3-129		0040811	MS	13-Apr-20	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	717		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	235		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane			103 %	44.3-144		0040809	MS	09-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			97.1 %	42.2-156		0040809	MS	09-Apr-20	8015B	
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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 15 8'**  
**H001038-70 (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	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040811	MS	13-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040811	MS	13-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040811	MS	13-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040811	MS	13-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040811	MS	13-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129 0040811 MS 13-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane 91.8 % 44.3-144 0040809 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 97.0 % 42.2-156 0040809 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 7 3' COMP****H001038-77 (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	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
<b>Total Xylenes*</b>	<b>0.882</b>		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
<b>Total BTEX</b>	<b>0.882</b>		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			141 %	73.3-129		0040812	MS	10-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	25.3		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	289		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			96.4 %	44.3-144		0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			103 %	42.2-156		0040809	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 8 3' COMP**

H001038-78 (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	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-129		0040812	MS	10-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			89.5 %	44.3-144		0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			94.0 %	42.2-156		0040809	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 14 4'**  
**H001038-79 (Soil)**

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

Chloride	80.0		16.0	mg/kg	4	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.8 %	73.3-129		0040812	MS	10-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			92.1 %	44.3-144		0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			95.4 %	42.2-156		0040809	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 5 3' COMP**  
**H001038-88 (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	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		0040812	MS	10-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			96.5 %	44.3-144		0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			106 %	42.2-156		0040809	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**SW - 6 3' COMP****H001038-89 (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	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129 0040812 MS 10-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 92.1 % 44.3-144 0040809 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 95.5 % 42.2-156 0040809 MS 09-Apr-20 8015B

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**HA - 13 4'**  
**H001038-90 (Soil)**

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

Chloride	144		16.0	mg/kg	4	0040902	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129 0040812 MS 10-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 91.5 % 44.3-144 0040809 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 95.9 % 42.2-156 0040809 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: ENTERPRISE PIPELINE #1009 Project Number: 700348.425.01 Project Manager: DAVID ADKINS Fax To: (575) 745-8905	Reported: 15-Apr-20 09:20
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**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 0040902 - 1:4 DI Water**

<b>Blank (0040902-BLK1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	ND	16.0	mg/kg							
<b>LCS (0040902-BS1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (0040902-BSD1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

**Batch 0040907 - 1:4 DI Water**

<b>Blank (0040907-BLK1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	ND	16.0	mg/kg							
<b>LCS (0040907-BS1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (0040907-BSD1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

**Batch 0040908 - 1:4 DI Water**

<b>Blank (0040908-BLK1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	ND	16.0	mg/kg							
<b>LCS (0040908-BS1)</b>				Prepared & Analyzed: 09-Apr-20						
Chloride	384	16.0	mg/kg	400		96.0	80-120			

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*Celest D. Keene*

Celest D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**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 0040908 - 1:4 DI Water**

**LCS Dup (0040908-BSD1)**

Prepared & Analyzed: 09-Apr-20

Chloride	400	16.0	mg/kg	400		100	80-120	4.08	20	
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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**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 0040805 - Volatiles****Blank (0040805-BLK1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

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)	ND		mg/kg	0.0500		98.6	73.3-129			

**LCS (0040805-BS1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

Benzene	2.05	0.050	mg/kg	2.00		102	72.2-131			
Toluene	2.05	0.050	mg/kg	2.00		102	71.7-126			
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	68.9-126			
Total Xylenes	5.91	0.150	mg/kg	6.00		98.4	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.7	73.3-129			

**LCS Dup (0040805-BS1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

Benzene	2.01	0.050	mg/kg	2.00		101	72.2-131	1.76	14.6	
Toluene	2.01	0.050	mg/kg	2.00		100	71.7-126	2.05	17.4	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	68.9-126	1.43	18.9	
Total Xylenes	5.82	0.150	mg/kg	6.00		97.0	71.4-125	1.44	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	73.3-129			

**Batch 0040810 - Volatiles****Blank (0040810-BLK1)**

Prepared &amp; Analyzed: 08-Apr-20

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)	ND		mg/kg	0.0500		99.8	73.3-129			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**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 0040810 - Volatiles****LCS (0040810-BS1)**

Prepared &amp; Analyzed: 08-Apr-20

Benzene	2.00	0.050	mg/kg	2.00		99.9	72.2-131			
Toluene	2.01	0.050	mg/kg	2.00		100	71.7-126			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	68.9-126			
Total Xylenes	5.90	0.150	mg/kg	6.00		98.4	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	73.3-129			

**LCS Dup (0040810-BSD1)**

Prepared &amp; Analyzed: 08-Apr-20

Benzene	1.98	0.050	mg/kg	2.00		99.0	72.2-131	0.929	14.6	
Toluene	1.99	0.050	mg/kg	2.00		99.7	71.7-126	0.664	17.4	
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	68.9-126	0.641	18.9	
Total Xylenes	5.86	0.150	mg/kg	6.00		97.7	71.4-125	0.664	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	73.3-129			

**Batch 0040811 - Volatiles****Blank (0040811-BLK1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

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)	ND		mg/kg	0.0500		99.2	73.3-129			

**LCS (0040811-BS1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

Benzene	2.01	0.050	mg/kg	2.00		101	72.2-131			
Toluene	1.99	0.050	mg/kg	2.00		99.6	71.7-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	68.9-126			
Total Xylenes	5.79	0.150	mg/kg	6.00		96.5	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.2	73.3-129			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**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 0040811 - Volatiles**

**LCS Dup (0040811-BSD1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

Benzene	2.03	0.050	mg/kg	2.00		102	72.2-131	0.971	14.6	
Toluene	2.02	0.050	mg/kg	2.00		101	71.7-126	1.65	17.4	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	68.9-126	1.20	18.9	
Total Xylenes	5.85	0.150	mg/kg	6.00		97.5	71.4-125	0.980	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.3	73.3-129			

**Batch 0040812 - Volatiles**

**Blank (0040812-BLK1)**

Prepared: 08-Apr-20 Analyzed: 10-Apr-20

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)	0.0500		mg/kg	0.0500		100	73.3-129			

**LCS (0040812-BS1)**

Prepared: 08-Apr-20 Analyzed: 10-Apr-20

Benzene	1.78	0.050	mg/kg	2.00		89.2	72.2-131			
Toluene	1.79	0.050	mg/kg	2.00		89.3	71.7-126			
Ethylbenzene	1.79	0.050	mg/kg	2.00		89.6	68.9-126			
Total Xylenes	5.24	0.150	mg/kg	6.00		87.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	73.3-129			

**LCS Dup (0040812-BSD1)**

Prepared: 08-Apr-20 Analyzed: 10-Apr-20

Benzene	1.94	0.050	mg/kg	2.00		96.9	72.2-131	8.36	14.6	
Toluene	1.95	0.050	mg/kg	2.00		97.3	71.7-126	8.55	17.4	
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	68.9-126	8.85	18.9	
Total Xylenes	5.72	0.150	mg/kg	6.00		95.4	71.4-125	8.93	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	73.3-129			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**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 0040803 - General Prep - Organics****Blank (0040803-BLK1)**

Prepared &amp; Analyzed: 08-Apr-20

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							
Surrogate: 1-Chlorooctane	45.4		mg/kg	50.0		90.8	44.3-144			
Surrogate: 1-Chlorooctadecane	49.9		mg/kg	50.0		99.8	42.2-156			

**LCS (0040803-BS1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	195	10.0	mg/kg	200		97.4	78.8-127			
DRO >C10-C28	199	10.0	mg/kg	200		99.7	80-132			
Total TPH C6-C28	394	10.0	mg/kg	400		98.6	81.3-128			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.4	44.3-144			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	42.2-156			

**LCS Dup (0040803-BSD1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	195	10.0	mg/kg	200		97.3	78.8-127	0.0842	15.1	
DRO >C10-C28	204	10.0	mg/kg	200		102	80-132	2.20	17.1	
Total TPH C6-C28	398	10.0	mg/kg	400		99.6	81.3-128	1.08	15	
Surrogate: 1-Chlorooctane	47.9		mg/kg	50.0		95.8	44.3-144			
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	42.2-156			

**Batch 0040807 - General Prep - Organics****Blank (0040807-BLK1)**

Prepared &amp; Analyzed: 08-Apr-20

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							
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.1	44.3-144			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.3	42.2-156			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**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 0040807 - General Prep - Organics****LCS (0040807-BS1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	191	10.0	mg/kg	200		95.7	78.8-127			
DRO >C10-C28	188	10.0	mg/kg	200		94.1	80-132			
Total TPH C6-C28	380	10.0	mg/kg	400		94.9	81.3-128			
Surrogate: 1-Chlorooctane	49.7		mg/kg	50.0		99.3	44.3-144			
Surrogate: 1-Chlorooctadecane	51.0		mg/kg	50.0		102	42.2-156			

**LCS Dup (0040807-BSD1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	190	10.0	mg/kg	200		95.1	78.8-127	0.652	15.1	
DRO >C10-C28	184	10.0	mg/kg	200		92.0	80-132	2.27	17.1	
Total TPH C6-C28	374	10.0	mg/kg	400		93.6	81.3-128	1.45	15	
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0		102	44.3-144			
Surrogate: 1-Chlorooctadecane	53.7		mg/kg	50.0		107	42.2-156			

**Batch 0040808 - General Prep - Organics****Blank (0040808-BLK1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

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							
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.1	44.3-144			
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0		100	42.2-156			

**LCS (0040808-BS1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

GRO C6-C10	192	10.0	mg/kg	200		96.1	78.8-127			
DRO >C10-C28	188	10.0	mg/kg	200		93.9	80-132			
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	81.3-128			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	44.3-144			
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	42.2-156			

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
15-Apr-20 09:20

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 0040808 - General Prep - Organics****LCS Dup (0040808-BSD1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

GRO C6-C10	195	10.0	mg/kg	200		97.6	78.8-127	1.61	15.1	
DRO >C10-C28	191	10.0	mg/kg	200		95.3	80-132	1.55	17.1	
Total TPH C6-C28	386	10.0	mg/kg	400		96.5	81.3-128	1.58	15	
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	44.3-144			
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	42.2-156			

**Batch 0040809 - General Prep - Organics****Blank (0040809-BLK1)**

Prepared &amp; Analyzed: 08-Apr-20

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							
Surrogate: 1-Chlorooctane	45.8		mg/kg	50.0		91.6	44.3-144			
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.2	42.2-156			

**LCS (0040809-BS1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	198	10.0	mg/kg	200		99.1	78.8-127			
DRO >C10-C28	230	10.0	mg/kg	200		115	80-132			
Total TPH C6-C28	428	10.0	mg/kg	400		107	81.3-128			
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0		94.9	44.3-144			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.5	42.2-156			

**LCS Dup (0040809-BSD1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	198	10.0	mg/kg	200		99.1	78.8-127	0.0873	15.1	
DRO >C10-C28	227	10.0	mg/kg	200		114	80-132	1.17	17.1	
Total TPH C6-C28	425	10.0	mg/kg	400		106	81.3-128	0.668	15	
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.4	44.3-144			
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.8	42.2-156			

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Celey D. Keene, Lab Director/Quality Manager



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

### Notes and Definitions

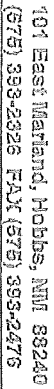
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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



## Page 47 of 55

Company Name: <u>Talon LPE</u>		P.O. #: <u>700348.425.01</u>	
Project Manager: <u>David Atkins</u>		Company: <u>Talon LPE</u>	
Address: <u>408 W Texas Ave</u>		Attn: <u>David Atkins</u>	
City: <u>Artesia</u>		Address:	
Phone #: <u>575-746-8768</u> Fax #:		City:	
State: <u>NM</u> Zip: <u>88210</u>		State:	
Project #: <u>700348.425.01</u>		Project Owner: <u>Enterprise</u>	
Project Name: <u>Ent Pipeline #1009 Spill</u>		Phone #:	
Project Location: <u>Lea County</u>		Fax #:	
Sampler Name: <u>Brandon Sinclair</u>		FOR LAB USE ONLY	

Lab I.D.	Sample I.D.	③ RAB OR ③ COMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:				ACID/BASE
<u>4001038</u>		<u>G</u>											
<u>1</u>	<u>B-3 4'</u>			<input checked="" type="checkbox"/>						<u>4-1-20</u>	<u>09:56</u>		<u>① Total Chlorides</u>
<u>2</u>	<u>B-3 6'</u>										<u>10:00</u>		<u>① BTEX</u>
<u>3</u>	<u>B-3 8'</u>										<u>10:05</u>		<u>① TPH EXT</u>
<u>4</u>	<u>B-3 10'</u>										<u>10:11</u>		
<u>5</u>	<u>B-3 12'</u>										<u>10:15</u>		
<u>6</u>	<u>B-3 14'</u>										<u>10:18</u>		
<u>7</u>	<u>B-3 16'</u>										<u>10:21</u>		
<u>8</u>	<u>B-3 18'</u>										<u>10:23</u>		
<u>9</u>	<u>B-3 20'</u>										<u>10:26</u>		
<u>10</u>	<u>B-3 22'</u>										<u>10:30</u>		

RECEIVED BY: <u>[Signature]</u> <u>4/1/20</u> DATE: <u>4/1/20</u> TIME: <u>1:30 PM</u>	RECEIVED BY: <u>[Signature]</u> DATE: <u>4/1/20</u> TIME: <u>1:30 PM</u>	SAMPLE CONDITION: GOOD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO INTERFERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CHECKED BY: <u>[Signature]</u> (Initials) <u>VB</u>
--	--	---	--

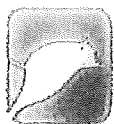
REMARKS: For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria limits (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX).	PHONE RESULT: <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> ADD'l PHONE #: FAX RESULT: <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> ADD'l FAX #: ANALYSIS REQUEST: <input type="checkbox"/> YES <input type="checkbox"/> NO
---	--



# AAAI-93 REQUEST

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# CARDINAL Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon LPE</u>		P.O. #: <u>700348.425.01</u>																														
Project Manager: <u>David Adkins</u>		Company: <u>Talon LPE</u>																														
Address: <u>408 W Texas Ave</u>		City: <u>David Adkins</u>																														
City: <u>Artesia</u>		State: <u>NM</u> Zip: <u>88210</u>																														
Phone #: <u>575-746-8768</u> Fax #: _____		Address: _____																														
Project #: <u>700348.425.01</u>		Project Name: <u>Enterprise</u>																														
Project Location: <u>Ent Pipeline #1009 Spill</u>		State: _____ Zip: _____																														
Sampler Name: <u>Brandon Sinclair</u>		Phone #: _____ Fax #: _____																														
FOR LAB USE ONLY																																
Lab I.D.:	Sample I.D.:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">(G)RAB OR (C)OMP.</th> <th colspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th colspan="2"></th> <th colspan="2"></th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER:</th> <th>ACID/BASE:</th> <th>ICE/COOL</th> <th>OTHER:</th> <th>DATE</th> <th>TIME</th> </tr> </table>		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX						PRESERV.		SAMPLING						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME
(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX						PRESERV.		SAMPLING																				
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME																		
<u>HA-18 20'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>4-1-20</u>	<u>11:11</u>																		
<u>22 SW-13 3' Comp</u>	<u>C</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>11:21</u>	<u>11:21</u>																		
<u>23 SW-14 3' Comp</u>	<u>C</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:05</u>	<u>12:05</u>																		
<u>24 S-4 4'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:08</u>	<u>12:10</u>																		
<u>25 S-4 6'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:10</u>	<u>12:13</u>																		
<u>26 S-4 8'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:13</u>	<u>12:15</u>																		
<u>27 S-4 10'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:15</u>	<u>12:19</u>																		
<u>28 S-4 12'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:19</u>	<u>12:21</u>																		
<u>29 S-4 14'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:21</u>	<u>12:21</u>																		
<u>30 S-4 16'</u>	<u>G</u>	<u>1</u>	<u>1</u>	<u>✓</u>									<u>12:21</u>	<u>12:21</u>																		



ANALYSIS REQUEST

For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria limits (600  $\mu\text{g/kg}$  Cl, 100  $\mu\text{g/kg}$  TPH, 50  $\mu\text{g/kg}$  BTEX).



ANALYSIS REQUEST

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## ANALYSIS REQUEST

For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria limits (600  $\mu\text{g}/\text{kg}$  Cl, 100  $\mu\text{g}/\text{kg}$  TPH, 50  $\mu\text{g}/\text{kg}$  BTEX).





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Talon LPE</u>		P.O. #: <u>700348.425.01</u>	
Project Manager: <u>David Atkins</u>		Company: <u>Talon LPE</u>	
Address: <u>408 W Texas Ave</u>		Attn: <u>David Atkins</u>	
City: <u>Artesia</u>		Address:	
Phone #: <u>575-746-8768</u> Fax #:		City:	
State: <u>NM</u> Zip: <u>88210</u>		State: Zip:	
Project #: <u>700348.425.01</u> Project Owner: <u>Enterprise</u>		Phone #:	
Project Location: <u>Ent Pipeline #1009 Spill</u>		Fax #:	
Sample Name: <u>Brandon Sinclair</u>		ANALYSIS REQUEST	
FOR LAB USE ONLY			
Lab I.D.:	Sample I.D.:	MATRIX	PRESERV
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER:	
		ACID/BASE:	
		ICE/COOL	
		OTHER:	
		DATE	TIME
<u>H001B38</u>	<u>SP-8 12'</u>	<u>4-1-20</u>	<u>4:37</u>
<u>41</u>	<u>SP-8 14'</u>	<u>4-1-20</u>	<u>4:40</u>
<u>42</u>	<u>SP-8 16'</u>	<u>4-1-20</u>	<u>4:43</u>
<u>43</u>	<u>SP-8 18'</u>	<u>4-1-20</u>	<u>4:48</u>
<u>44</u>	<u>SP-8 20'</u>	<u>4-1-20</u>	<u>4:52</u>
<u>45</u>	<u>SP-7 3' Comp</u>	<u>4-1-20</u>	<u>5:00</u>
<u>46</u>	<u>SP-9 3' Comp</u>	<u>4-1-20</u>	<u>5:05</u>
<u>47</u>	<u>HA-15 4'</u>	<u>4-2-20</u>	<u>09:19</u>
<u>48</u>	<u>HA-15 6'</u>	<u>4-2-20</u>	<u>09:22</u>
<u>49</u>	<u>HA-15 8'</u>	<u>4-2-20</u>	<u>09:25</u>
REMARKS: For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria limits (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX).			



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

ANALYSIS REQUEST

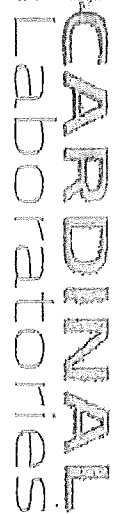
Company Name: <u>Talen LPE</u>	P.O. #: <u>700348-425.01</u>
Project Manager: <u>David Atkins</u>	Company: <u>Talen LPE</u>
Address: <u>408 W Texas Ave</u>	Attn: <u>David Atkins</u>
City: <u>Artesia</u>	Address:
State: <u>NM</u> Zip: <u>88210</u>	City:
Phone #: <u>575-746-8768</u> Fax #:	State: Zip:
Project #: <u>700348-425.01</u> Project Owner: <u>Enterprise</u>	Phone #: Fax #:
Project Name: <u>Ent Pipeline #1009 Spill</u>	
Project Location: <u>Lea County</u>	
Sampler Name: <u>Brandon Sinclair</u>	
FOR LAB USE ONLY	

Lab ID.	Sample ID.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL:	OTHER:	DATE	TIME	Total Chlorides	BTEX	TPH EXT
4001038	71 HA-15 10'	G											4-2-20	09:29	Y	Y	Y
	72 HA-15 12'													09:32			
	73 HA-15 14'													09:35			
	74 HA-15 16'													09:38			
	75 HA-15 18'													09:40			
	76 HA-15 20'													09:43			
	77 SW-7 3' Comp	C												10:02			
	78 SW-8 3' Comp	C												10:05			
	79 HA-14 4' Comp	G												10:09			
	80 HA-14 6'	G												10:12			

PLEASE NOTE: Sampling and analysis charges apply and are not included in the amount paid by the client for the analysis. All samples must be properly labeled and sealed in accordance with the applicable regulations. The client is responsible for providing the necessary information and samples for analysis. The client is also responsible for providing the necessary information and samples for analysis. The client is also responsible for providing the necessary information and samples for analysis.

Relinquished By: <u>David Atkins</u>	Date: <u>4-2-20</u>	Received By: <u>Brandon Sinclair</u>	Date: <u>4-2-20</u>
Relinquished By:	Date:	Received By:	Date:
Delivered By: (Circle One)	Sample Condition	Checked By: (Initials)	
Sampler - UPS - Box - Other:	Good <input type="checkbox"/> Intermediate <input type="checkbox"/> Poor <input type="checkbox"/> Other <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
	5:92 AM	10	

For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria limits (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX).



## Page 55 of 55

ANALYSIS REQUEST

Company Name: <u>Talon LPE</u>		P.O. # <u>700348.425.01</u>	
Project Manager: <u>David Atkins</u>		Company: <u>Talon LPE</u>	
Address: <u>408 W Texas Ave</u>		Attn: <u>David Atkins</u>	
City: <u>Artesia</u>		Address:	
State: <u>NM</u> Zip: <u>88210</u>		City:	
Phone #: <u>575-746-8768</u> Fax #:		State: Zip:	
Project #: <u>700348.425.01</u> Project Owner: <u>Enterprise</u>		Phone #:	
Project Name: <u>Ent Pipeline #1009 Spill</u>		Fax #:	
Project Location: <u>Lea County</u>		Matrix	
Sampler Name: <u>Brandon Sinclair</u>		PRESERV	
FOR LAB USE ONLY		SAMPLING	

Lab ID	Sample ID	(S)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER:	DATE	TIME
H001038	S1 HA-14 8'	G											4-2-20	10:15
	S2 HA-14 10'													10:18
	S3 HA-14 12'													10:23
	S4 HA-14 14'													10:26
	S5 HA-14 16'													10:29
	S6 HA-14 18'													10:32
	S7 HA-14 20'													10:35
	S8 SW-5 3' Camp													10:45
	S9 SW-6 3' Camp													10:48
	S10 HA-13 4'	G												10:53

REMARKS: For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria (11m + 5 (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX).	Total Chlorides BTEX TPH EXT
--	------------------------------------

Delivered By: (Circle One) Sampler - UPS   Site - Other	Sample Condition Cool   Hot   Yes   No	Checked By: (Initials) Y
--	---	-----------------------------

Date: <u>4-1-20</u> Time: <u>4:23 PM</u> Received By: <u>Brandon Sinclair</u>	Date: <u>4-1-20</u> Time: <u>4:23 PM</u> Received By: <u>Brandon Sinclair</u>
---	---

Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: REMARKS:
--



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

April 16, 2020

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 04/07/20 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://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





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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA - 13 6'	H001039-01	Soil	02-Apr-20 10:55	07-Apr-20 16:31
HA - 13 8'	H001039-02	Soil	02-Apr-20 10:59	07-Apr-20 16:31
SW - 3 3' COMP	H001039-09	Soil	02-Apr-20 11:30	07-Apr-20 16:31
SW - 4 3' COMP	H001039-10	Soil	02-Apr-20 11:31	07-Apr-20 16:31
SP - 11 3' COMP	H001039-11	Soil	02-Apr-20 11:40	07-Apr-20 16:31
SP - 12 3' COMP	H001039-12	Soil	02-Apr-20 11:42	07-Apr-20 16:31
SP- 10 4'	H001039-13	Soil	02-Apr-20 11:53	07-Apr-20 16:31
SP - 14 3' COMP	H001039-22	Soil	02-Apr-20 12:55	07-Apr-20 16:31
SP - 15 3' COMP	H001039-23	Soil	02-Apr-20 13:03	07-Apr-20 16:31
SP - 16 3' COMP	H001039-24	Soil	02-Apr-20 13:06	07-Apr-20 16:31
B - 1 4'	H001039-25	Soil	02-Apr-20 13:09	07-Apr-20 16:31
B - 1 16'	H001039-31	Soil	02-Apr-20 13:25	07-Apr-20 16:31
B - 1 18'	H001039-32	Soil	02-Apr-20 13:27	07-Apr-20 16:31
B - 1 20'	H001039-33	Soil	02-Apr-20 13:31	07-Apr-20 16:31

04/15/20 - Client added analysis to samples -01 and -02. This is the revised report and will replace the one sent on 04/13/20.

04/16/20 - Client added analysis to samples -31, -32 and -33 on 04/15/20. 2nd revision of the report issued with these changes and will replace the 1st revision issued 04/15/20.

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Celest D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**HA - 13 6'**  
**H001039-01 (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	0040902	AC	09-Apr-20	4500-Cl-B	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.5 %	73.3-129		0040812	MS	10-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctane			106 %	44.3-144		0040809	MS	09-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			110 %	42.2-156		0040809	MS	09-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**HA - 13 8'**  
**H001039-02 (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	0040902	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID)	100 %	73.3-129	0040812	MS	10-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040809	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane	101 %	44.3-144	0040809	MS	09-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	106 %	42.2-156	0040809	MS	09-Apr-20	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SW - 3 3' COMP**  
**H001039-09 (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	0040910	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	0.783		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	6.10		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	GC-NC1
Total BTEX	6.89		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 215 % 73.3-129 0040812 MS 10-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	54.1		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	QM-07
DRO >C10-C28*	48.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 110 % 44.3-144 0040813 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 117 % 42.2-156 0040813 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SW - 4 3' COMP**  
**H001039-10 (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	0040910	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129 0040812 MS 10-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 101 % 44.3-144 0040813 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 112 % 42.2-156 0040813 MS 09-Apr-20 8015B

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SP - 11 3' COMP**  
**H001039-11 (Soil)**

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

Chloride	112	16.0	mg/kg	4	0040910	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID)	100 %	73.3-129	0040812	MS	10-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B

Surrogate: 1-Chlorooctane	104 %	44.3-144	0040813	MS	09-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	118 %	42.2-156	0040813	MS	09-Apr-20	8015B
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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SP - 12 3' COMP****H001039-12 (Soil)**

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

Chloride	224		16.0	mg/kg	4	0040910	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %		73.3-129	0040812	MS	10-Apr-20	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane			107 %		44.3-144	0040813	MS	09-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			119 %		42.2-156	0040813	MS	09-Apr-20	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SP- 10 4'**  
**H001039-13 (Soil)**

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

Chloride	128	16.0	mg/kg	4	0040910	AC	09-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0040812	MS	10-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0040812	MS	10-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0040812	MS	10-Apr-20	8021B
Surrogate: 4-Bromofluorobenzene (PID)	99.7 %	73.3-129	0040812	MS	10-Apr-20	8021B		

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B
Surrogate: 1-Chlorooctane	107 %	44.3-144	0040813	MS	09-Apr-20	8015B		
Surrogate: 1-Chlorooctadecane	119 %	42.2-156	0040813	MS	09-Apr-20	8015B		

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Caley D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SP - 14 3' COMP**

H001039-22 (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	544		16.0	mg/kg	4	0040910	AC	09-Apr-20	4500-CI-B	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040901	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-129		0040901	MS	09-Apr-20	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane			95.1 %	44.3-144		0040813	MS	09-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	42.2-156		0040813	MS	09-Apr-20	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SP - 15 3' COMP**  
**H001039-23 (Soil)**

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

Chloride	976		16.0	mg/kg	4	0040910	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040901	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-129		0040901	MS	09-Apr-20	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane			98.9 %	44.3-144		0040813	MS	09-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			110 %	42.2-156		0040813	MS	09-Apr-20	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**SP - 16 3' COMP**  
**H001039-24 (Soil)**

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

Chloride	144		16.0	mg/kg	4	0040910	AC	09-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total Xylenes*	0.196		0.150	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040901	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129 0040901 MS 09-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	15.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
DRO >C10-C28*	203		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane 109 % 44.3-144 0040813 MS 09-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 114 % 42.2-156 0040813 MS 09-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**B - 1 4'****H001039-25 (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	528		16.0	mg/kg	4	0040910	AC	09-Apr-20	4500-Cl-B	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040901	MS	09-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040901	MS	09-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %	73.3-129		0040901	MS	09-Apr-20	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040813	MS	09-Apr-20	8015B	

Surrogate: 1-Chlorooctane			98.5 %	44.3-144		0040813	MS	09-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	42.2-156		0040813	MS	09-Apr-20	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**B - 1 16'**  
**H001039-31 (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	0041601	AC	16-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	0041509	MS	16-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0041509	MS	16-Apr-20	8021B

Surrogate: 1-Bromofluorobenzene (PID)	101 %	73.3-129	0041509	MS	16-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B

Surrogate: 1-Chlorooctane	90.7 %	44.3-144	0041510	MS	15-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	96.4 %	42.2-156	0041510	MS	15-Apr-20	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**B - 1 18'**  
**H001039-32 (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	0041601	AC	16-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0041509	MS	16-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129 0041509 MS 16-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B	

Surrogate: 1-Chlorooctane 99.2 % 44.3-144 0041510 MS 15-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 104 % 42.2-156 0041510 MS 15-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**B - 1 20'**  
**H001039-33 (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	0041601	AC	16-Apr-20	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0041509	MS	16-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0041509	MS	16-Apr-20	8021B	

Surrogate: 1-Bromofluorobenzene (PID) 101 % 73.3-129 0041509 MS 16-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0041510	MS	15-Apr-20	8015B	

Surrogate: 1-Chlorooctane 101 % 44.3-144 0041510 MS 15-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 108 % 42.2-156 0041510 MS 15-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0040902 - 1:4 DI Water****Blank (0040902-BLK1)**

Prepared &amp; Analyzed: 09-Apr-20

Chloride	ND	16.0	mg/kg							
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**LCS (0040902-BS1)**

Prepared &amp; Analyzed: 09-Apr-20

Chloride	416	16.0	mg/kg	400		104	80-120			
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**LCS Dup (0040902-BSD1)**

Prepared &amp; Analyzed: 09-Apr-20

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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**Batch 0040910 - 1:4 DI Water****Blank (0040910-BLK1)**

Prepared &amp; Analyzed: 09-Apr-20

Chloride	ND	16.0	mg/kg							
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**LCS (0040910-BS1)**

Prepared &amp; Analyzed: 09-Apr-20

Chloride	432	16.0	mg/kg	400		108	80-120			
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**LCS Dup (0040910-BSD1)**

Prepared &amp; Analyzed: 09-Apr-20

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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**Batch 0041601 - 1:4 DI Water****Blank (0041601-BLK1)**

Prepared &amp; Analyzed: 16-Apr-20

Chloride	ND	16.0	mg/kg							
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**LCS (0041601-BS1)**

Prepared &amp; Analyzed: 16-Apr-20

Chloride	448	16.0	mg/kg	400		112	80-120			
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0041601 - 1:4 DI Water**

**LCS Dup (0041601-BSD1)**

Prepared & Analyzed: 16-Apr-20

Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0040812 - Volatiles****Blank (0040812-BLK1)**

Prepared: 08-Apr-20 Analyzed: 10-Apr-20

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)	0.0500		mg/kg	0.0500		100	73.3-129			

**LCS (0040812-BS1)**

Prepared: 08-Apr-20 Analyzed: 10-Apr-20

Benzene	1.78	0.050	mg/kg	2.00		89.2	72.2-131			
Toluene	1.79	0.050	mg/kg	2.00		89.3	71.7-126			
Ethylbenzene	1.79	0.050	mg/kg	2.00		89.6	68.9-126			
Total Xylenes	5.24	0.150	mg/kg	6.00		87.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	73.3-129			

**LCS Dup (0040812-BS1)**

Prepared: 08-Apr-20 Analyzed: 10-Apr-20

Benzene	1.94	0.050	mg/kg	2.00		96.9	72.2-131	8.36	14.6	
Toluene	1.95	0.050	mg/kg	2.00		97.3	71.7-126	8.55	17.4	
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	68.9-126	8.85	18.9	
Total Xylenes	5.72	0.150	mg/kg	6.00		95.4	71.4-125	8.93	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	73.3-129			

**Batch 0040901 - Volatiles****Blank (0040901-BLK1)**

Prepared &amp; Analyzed: 09-Apr-20

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)	0.0500		mg/kg	0.0500		99.9	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0040901 - Volatiles****LCS (0040901-BS1)**

Prepared &amp; Analyzed: 09-Apr-20

Benzene	1.91	0.050	mg/kg	2.00		95.3	72.2-131			
Toluene	1.92	0.050	mg/kg	2.00		95.8	71.7-126			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.5	68.9-126			
Total Xylenes	5.66	0.150	mg/kg	6.00		94.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	73.3-129			

**LCS Dup (0040901-BSD1)**

Prepared &amp; Analyzed: 09-Apr-20

Benzene	1.91	0.050	mg/kg	2.00		95.3	72.2-131	0.0296	14.6	
Toluene	1.92	0.050	mg/kg	2.00		96.1	71.7-126	0.285	17.4	
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.0	68.9-126	0.467	18.9	
Total Xylenes	5.67	0.150	mg/kg	6.00		94.5	71.4-125	0.263	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	73.3-129			

**Batch 0041509 - Volatiles****Blank (0041509-BLK1)**

Prepared: 15-Apr-20 Analyzed: 16-Apr-20

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)	0.0504		mg/kg	0.0500		101	73.3-129			

**LCS (0041509-BS1)**

Prepared: 15-Apr-20 Analyzed: 16-Apr-20

Benzene	1.81	0.050	mg/kg	2.00		90.4	72.2-131			
Toluene	1.81	0.050	mg/kg	2.00		90.5	71.7-126			
Ethylbenzene	1.80	0.050	mg/kg	2.00		90.1	68.9-126			
Total Xylenes	5.30	0.150	mg/kg	6.00		88.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	73.3-129			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0041509 - Volatiles****LCS Dup (0041509-BSID1)**

Prepared: 15-Apr-20 Analyzed: 16-Apr-20

Benzene	1.76	0.050	mg/kg	2.00		88.1	72.2-131	2.55	14.6	
Toluene	1.80	0.050	mg/kg	2.00		90.0	71.7-126	0.591	17.4	
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.6	68.9-126	2.74	18.9	
Total Xylenes	5.47	0.150	mg/kg	6.00		91.1	71.4-125	3.13	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	73.3-129			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0040809 - General Prep - Organics****Blank (0040809-BLK1)**

Prepared &amp; Analyzed: 08-Apr-20

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							
Surrogate: 1-Chlorooctane	45.8		mg/kg	50.0		91.6	44.3-144			
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.2	42.2-156			

**LCS (0040809-BS1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	198	10.0	mg/kg	200		99.1	78.8-127			
DRO >C10-C28	230	10.0	mg/kg	200		115	80-132			
Total TPH C6-C28	428	10.0	mg/kg	400		107	81.3-128			
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0		94.9	44.3-144			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.5	42.2-156			

**LCS Dup (0040809-BSD1)**

Prepared &amp; Analyzed: 08-Apr-20

GRO C6-C10	198	10.0	mg/kg	200		99.1	78.8-127	0.0873	15.1	
DRO >C10-C28	227	10.0	mg/kg	200		114	80-132	1.17	17.1	
Total TPH C6-C28	425	10.0	mg/kg	400		106	81.3-128	0.668	15	
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.4	44.3-144			
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.8	42.2-156			

**Batch 0040813 - General Prep - Organics****Blank (0040813-BLK1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

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							
Surrogate: 1-Chlorooctane	46.8		mg/kg	50.0		93.5	44.3-144			
Surrogate: 1-Chlorooctadecane	51.8		mg/kg	50.0		104	42.2-156			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0040813 - General Prep - Organics****LCS (0040813-BS1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

GRO C6-C10	197	10.0	mg/kg	200		98.4	78.8-127			
DRO >C10-C28	206	10.0	mg/kg	200		103	80-132			
Total TPH C6-C28	403	10.0	mg/kg	400		101	81.3-128			
Surrogate: 1-Chlorooctane	49.1		mg/kg	50.0		98.2	44.3-144			
Surrogate: 1-Chlorooctadecane	53.9		mg/kg	50.0		108	42.2-156			

**LCS Dup (0040813-BSD1)**

Prepared: 08-Apr-20 Analyzed: 09-Apr-20

GRO C6-C10	197	10.0	mg/kg	200		98.4	78.8-127	0.0569	15.1	
DRO >C10-C28	202	10.0	mg/kg	200		101	80-132	2.28	17.1	
Total TPH C6-C28	399	10.0	mg/kg	400		99.6	81.3-128	1.13	15	
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.8	44.3-144			
Surrogate: 1-Chlorooctadecane	53.7		mg/kg	50.0		107	42.2-156			

**Batch 0041510 - General Prep - Organics****Blank (0041510-BLK1)**

Prepared &amp; Analyzed: 15-Apr-20

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							
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.7	44.3-144			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.6	42.2-156			

**LCS (0041510-BS1)**

Prepared &amp; Analyzed: 15-Apr-20

GRO C6-C10	193	10.0	mg/kg	200		96.7	78.8-127			
DRO >C10-C28	184	10.0	mg/kg	200		92.2	80-132			
Total TPH C6-C28	378	10.0	mg/kg	400		94.5	81.3-128			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	44.3-144			
Surrogate: 1-Chlorooctadecane	54.1		mg/kg	50.0		108	42.2-156			

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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
16-Apr-20 12:07

**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 0041510 - General Prep - Organics**

**LCS Dup (0041510-BSD1)**

Prepared & Analyzed: 15-Apr-20

GRO C6-C10	191	10.0	mg/kg	200		95.7	78.8-127	1.11	15.1	
DRO >C10-C28	182	10.0	mg/kg	200		90.8	80-132	1.56	17.1	
Total TPH C6-C28	373	10.0	mg/kg	400		93.2	81.3-128	1.33	15	
Surrogate: 1-Chlorooctane	50.2		mg/kg	50.0		100	44.3-144			
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	42.2-156			

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
  
- QM-07        The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
  
- GC-NC1      8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
  
- 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

Cardinal Laboratories

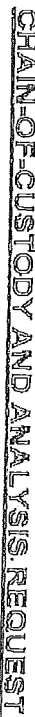
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





# AMALY'S REPUTES

Company Name: <b>Talon LPE</b>		P.O. #: <b>700348.425.01</b>					
Project Manager: <b>David Adkins</b>		Company: <b>Talon LPE</b>					
Address: <b>408 W Texas Ave</b>		Attn: <b>David Adkins</b>					
City/State: <b>A</b>		Address:					
Phone #: <b>575-746-8768</b> Fax #: <b>88210</b>		City:					
Project #: <b>700348.425.01</b> Project Owner: <b>Enterprise</b>		State:					
Project Name: <b>Ent Pipeline #1009 Spill</b>		Zip:					
Project Location: <b>Lea County</b>		Phone #:					
Sample Name: <b>Bradley Sinclair</b>		Fax #:					
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	MATRIX					
		PRESERV.	SAMPLING				
H001037	HA-13 6'	(C)RAB OR (C)OMP.	DATE	TIME	Total Chlorides	BT EX	TPH EXT
	HA-13 8'	# CONTAINERS					
	HA-13 10'	GROUNDWATER					
	HA-13 12'	WASTEWATER					
	HA-13 14'	SOIL					
	HA-13 16'	OIL					
	HA-13 18'	SLUDGE					
	HA-13 20'	OTHER:					
	SW-3 3' Comp	ACID/BASE:					
	SW-4 3' Comp	ICE/COOL					
DATE		OTHER:					
4-2-20		4-2-20					
10:59		10:55					
11:01		11:04					
11:08		11:11					
11:14		11:17					
11:30		11:31					
11:31		11:31					

For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria (1m: +5 (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BT EX).



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2326

Company Name: <u>Talpa LPE</u>		P.O. # <u>700348.425.01</u>	
Project Manager: <u>David Atkins</u>		Company: <u>Talpa LPE</u>	
Address: <u>408 W Texas Ave</u>		Attn: <u>David Atkins</u>	
City: <u>Alameda</u>		Address:	
Phone #: <u>575-746-8768</u> Fax #:		City:	
Project #: <u>700348.425.01</u> Project Owner: <u>Enterprise</u>		State: <u>Zip:</u>	
Project Name: <u>Ent Pipeline #1009 Spill</u>		Phone #:	
Project Location: <u>Lea County</u>		Fax #:	
Sampler Name: <u>Brandon Sinclair</u>		PRESERV. SAMPLING	

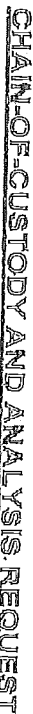
Lab L.D.	Sample L.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME	ANALYSIS REQUEST
4001039	SP-11 3' Comp												4-7-20	11:40	Total Chlorides
11	SP-12 3' Comp												11:42	11:53	BTEX
12	SP-10 4'												11:53	12:33	TPH EXT
13	SP-10 6'												12:33	12:37	
14	SP-10 8'												12:37	12:39	
15	SP-10 10'												12:39	12:42	
16	SP-10 12'												12:42	12:45	
17	SP-10 14'												12:45	12:48	
18	SP-10 16'												12:48	12:50	
19	SP-10 18'														

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other	Cool <input type="checkbox"/> Hot <input type="checkbox"/> Ice <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/>	
Received By: <u>Brandon Sinclair</u>		
Time: <u>4:30pm</u>		
Date: <u>4/7/20</u>		
Time: <u>4:30pm</u>		
Date: <u>4/7/20</u>		

For each sample set (e.g. HA-18, B-1, etc.) please test only until concentrations fall below closure criteria limits (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX).



सुभाषितानि

Received by *OCD*: 4/28/2020 11:29:39 AM









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

April 20, 2020

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 04/17/20 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://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



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

**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 3 A 3'	H001137-01	Soil	16-Apr-20 14:20	17-Apr-20 09:45
SW - 7 A 3'	H001137-02	Soil	16-Apr-20 14:30	17-Apr-20 09:45
SW - 9 A 3'	H001137-03	Soil	16-Apr-20 14:40	17-Apr-20 09:45
SW - 10 A 3'	H001137-04	Soil	16-Apr-20 14:50	17-Apr-20 09:45
SW - 11 A 3'	H001137-05	Soil	16-Apr-20 15:00	17-Apr-20 09:45
SW - 12 A 3'	H001137-06	Soil	16-Apr-20 15:10	17-Apr-20 09:45
SP - 15 A 3'	H001137-07	Soil	16-Apr-20 15:20	17-Apr-20 09:45
SP - 16 A 4'	H001137-08	Soil	16-Apr-20 15:30	17-Apr-20 09:45

04/20/20 - Login entered the wrong sample ID for -08. This is the revised report with the corrected sample ID for -08 and will replace the report sent earlier 04/20/20.

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

**SW - 3 A 3'**  
**H001137-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		0041705	MS	17-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
Surrogate: 1-Chlorooctane			90.7 %	44.3-144		0041702	MS	17-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			95.7 %	42.2-156		0041702	MS	17-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

SW - 7 A 3'  
H001137-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0041705	MS	17-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129 0041705 MS 17-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
DRO >C10-C28*	16.3		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	

Surrogate: 1-Chlorooctane 90.3 % 44.3-144 0041702 MS 17-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 99.5 % 42.2-156 0041702 MS 17-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

SW - 9 A 3'  
H001137-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Toluene*	<0.050	0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		99.3 %	73.3-129		0041705	MS	17-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
Surrogate: 1-Chlorooctane		90.6 %	44.3-144		0041702	MS	17-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane		96.4 %	42.2-156		0041702	MS	17-Apr-20	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

SW - 10 A 3'

H001137-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0041705	MS	17-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129 0041705 MS 17-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	

Surrogate: 1-Chlorooctane 93.1 % 44.3-144 0041702 MS 17-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 98.7 % 42.2-156 0041702 MS 17-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

SW - 11 A 3'

H001137-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	73.3-129		0041705	MS	17-Apr-20	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
DRO >C10-C28*	31.9		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
Surrogate: 1-Chlorooctane			89.1 %	44.3-144		0041702	MS	17-Apr-20	8015B	
Surrogate: 1-Chlorooctadecane			95.7 %	42.2-156		0041702	MS	17-Apr-20	8015B	

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Celest D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

SW - 12 A 3'

H001137-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Volatile Organic Compounds by EPA Method 8021**

S-04

Benzene*	<0.200	0.200	mg/kg	200	0041705	MS	17-Apr-20	8021B	
Toluene*	4.79	0.200	mg/kg	200	0041705	MS	17-Apr-20	8021B	
Ethylbenzene*	5.03	0.200	mg/kg	200	0041705	MS	17-Apr-20	8021B	
Total Xylenes*	43.4	0.600	mg/kg	200	0041705	MS	17-Apr-20	8021B	
Total BTEX	53.3	1.20	mg/kg	200	0041705	MS	17-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

201 %

73.3-129

0041705

MS

17-Apr-20

8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	660	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
DRO >C10-C28*	356	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	

Surrogate: 1-Chlorooctane

141 %

44.3-144

0041702

MS

17-Apr-20

8015B

Surrogate: 1-Chlorooctadecane

91.9 %

42.2-156

0041702

MS

17-Apr-20

8015B

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Celest D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

SP - 15 A 3'  
H001137-07 (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	0041703	AC	17-Apr-20	4500-Cl-B
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B
Toluene*	<0.050	0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B
Total Xylenes*	0.209	0.150	mg/kg	50	0041705	MS	17-Apr-20	8021B
Total BTEX	<0.300	0.300	mg/kg	50	0041705	MS	17-Apr-20	8021B

Surrogate: 4-Bromofluorobenzene (PID)	102 %	73.3-129	0041705	MS	17-Apr-20	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B

Surrogate: 1-Chlorooctane	77.1 %	44.3-144	0041702	MS	17-Apr-20	8015B
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Surrogate: 1-Chlorooctadecane	82.4 %	42.2-156	0041702	MS	17-Apr-20	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

**SP - 16 A 4'**  
**H001137-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0041705	MS	17-Apr-20	8021B	
<b>Total Xylenes*</b>	<b>0.180</b>		0.150	mg/kg	50	0041705	MS	17-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0041705	MS	17-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129 0041705 MS 17-Apr-20 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0041702	MS	17-Apr-20	8015B	

Surrogate: 1-Chlorooctane 91.7 % 44.3-144 0041702 MS 17-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156 0041702 MS 17-Apr-20 8015B

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE 408 W. TEXAS AVE. ARTESIA NM, 88210	Project: ENTERPRISE PIPELINE #1009 Project Number: 700348.425.01 Project Manager: DAVID ADKINS Fax To: (575) 745-8905	Reported: 20-Apr-20 14:25
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 0041703 - 1:4 DI Water</b>										
<b>Blank (0041703-BLK1)</b>				Prepared & Analyzed: 17-Apr-20						
Chloride	ND	16.0	mg/kg							
<b>LCS (0041703-BS1)</b>				Prepared & Analyzed: 17-Apr-20						
Chloride	400	16.0	mg/kg	400		100	80-120			
<b>LCS Dup (0041703-BSD1)</b>				Prepared & Analyzed: 17-Apr-20						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

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*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

**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 0041705 - Volatiles****Blank (0041705-BLK1)**

Prepared &amp; Analyzed: 17-Apr-20

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)	0.0504		mg/kg	0.0500		101	73.3-129			

**LCS (0041705-BS1)**

Prepared &amp; Analyzed: 17-Apr-20

Benzene	1.97	0.050	mg/kg	2.00		98.7	72.2-131			
Toluene	2.00	0.050	mg/kg	2.00		100	71.7-126			
Ethylbenzene	2.07	0.050	mg/kg	2.00		104	68.9-126			
Total Xylenes	6.11	0.150	mg/kg	6.00		102	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	73.3-129			

**LCS Dup (0041705-BSD1)**

Prepared &amp; Analyzed: 17-Apr-20

Benzene	2.06	0.050	mg/kg	2.00		103	72.2-131	4.44	14.6	
Toluene	2.10	0.050	mg/kg	2.00		105	71.7-126	4.55	17.4	
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	68.9-126	4.55	18.9	
Total Xylenes	6.40	0.150	mg/kg	6.00		107	71.4-125	4.72	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Project: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Manager: DAVID ADKINS  
Fax To: (575) 745-8905

Reported:  
20-Apr-20 14:25

**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 0041702 - General Prep - Organics****Blank (0041702-BLK1)**

Prepared &amp; Analyzed: 17-Apr-20

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							
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0		94.5	44.3-144			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.4	42.2-156			

**LCS (0041702-BS1)**

Prepared &amp; Analyzed: 17-Apr-20

GRO C6-C10	191	10.0	mg/kg	200		95.3	78.8-127			
DRO >C10-C28	178	10.0	mg/kg	200		88.8	80-132			
Total TPH C6-C28	368	10.0	mg/kg	400		92.0	81.3-128			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	44.3-144			
Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0		105	42.2-156			

**LCS Dup (0041702-BSD1)**

Prepared &amp; Analyzed: 17-Apr-20

GRO C6-C10	191	10.0	mg/kg	200		95.4	78.8-127	0.168	15.1	
DRO >C10-C28	179	10.0	mg/kg	200		89.6	80-132	0.871	17.1	
Total TPH C6-C28	370	10.0	mg/kg	400		92.5	81.3-128	0.508	15	
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	44.3-144			
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	42.2-156			

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*             Samples not received at proper temperature of 6°C or below.
- \*\*\*            Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marlton, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

Company Name: <u>Talon LPE</u>		P.O. #: <u>700348-425.01</u>	
Project Manager: <u>David Adkins</u>		Company: <u>Talon LPE</u>	
Address: <u>408 W Texas Ave</u>		City: <u>David Adkins</u>	
City: <u>Artesia</u>		State: <u>NM</u> Zip: <u>88210</u>	
Phone #: <u>575-246-8268</u> Fax #: _____		Address: _____	
Project #: <u>700348-425.01</u> Project Owner: <u>Enterprise</u>		City: _____	
Project Name: <u>Enterprise 1009 Pipeline</u>		State: _____ Zip: _____	
Project Location: <u>Lea County</u>		Phone #: _____	
Sample Name: <u>Brandon Sinclair</u>		Fax #: _____	

Lab L.D.	Sample L.D.	DATE	TIME	ANALYSIS REQUEST
1 SW-3A 3'	(G)RAB OR (C)OMP.	4-16-20	14:20	TPH EXT
2 SW-7A 3'	# CONTAINERS	14:30		Total Chlorides
3 SW-9A 3'	GROUNDWATER	14:40		BTEX
4 SW-10A 3'	WASTEWATER	14:50		
5 SW-11A 3'	SOIL	15:00		
6 SW-12A 3'	SOIL	15:10		
7 SP-15A 4'	SLUDGE	15:20		
8 SP-16A 4'	OTHER:	15:30		
9 SP-4 8'	ACID/BASE	16:00		
10 SP-4 8'	ICE / COOL			
	OTHER:			

Relinquished By: _____	Date: <u>4-17-20</u>	Received By: _____	Date: _____
Relinquished By: _____	Time: <u>9:45</u>	Received By: _____	Time: _____
Delivered By: (Circle One) <u>446</u>	Sample Condition	Checked By: _____	
Sampler - LPS - Bus - Other: _____	Good <input checked="" type="checkbox"/> Bad <input type="checkbox"/>	Initials <input checked="" type="checkbox"/> Final <input type="checkbox"/>	
	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Phone # _____	
	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Fax # _____	

REMARKS: Rush (results by morning of 4/20)



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

April 21, 2020

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 04/20/20 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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](http://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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/20/2020  
Reported: 04/21/2020  
Project Name: ENTERPRISE PIPELINE #1009  
Project Number: 700348.425.01  
Project Location: ENTERPRISE - LEA CO NM

Sampling Date: 04/16/2020  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kelly Jacobson

**Sample ID: SW - 12 B 3' (H001153-01)**

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	04/21/2020	ND	1.87	93.5	2.00	2.20	
Toluene*	<0.050	0.050	04/21/2020	ND	1.90	95.0	2.00	2.40	
Ethylbenzene*	<0.050	0.050	04/21/2020	ND	1.98	99.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	04/21/2020	ND	5.81	96.9	6.00	1.86	
Total BTEX	<0.300	0.300	04/21/2020	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 73.3-129

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	04/20/2020	ND	210	105	200	2.38	
DRO >C10-C28*	<10.0	10.0	04/20/2020	ND	209	105	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/20/2020	ND					

Surrogate: 1-Chlorooctane 92.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
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Samples reported on an as received basis (wet) unless otherwise noted on report

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Re

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