

Form C-141

State of New Mexico

Page 6

Oil Conservation Division

Incident ID	NRM2004431707
District RP	
Facility ID	
Application ID	

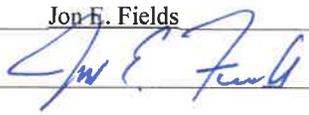
Closure

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

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

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

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

Printed Name: Jon E. Fields Title: Director, Field Environmental
 Signature:  Date: 9/9/2020
 email: jefields@eprod.com Telephone: 713-381-6684

OCD Only

Received by: Cristina Eads Date: 09/10/2020

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

Closure Approved by:  Date: 11/02/2020
 Printed Name: Cristina Eads Title: Environmental Specialist



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Remediation and Closure Report

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

Prepared For:

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

Prepared By:

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

August 28, 2020

Ms. Alena Miro
Enterprise Field Services, LLC
PO Box 4324
Houston, TX 77210-4324

Subject: **Remediation and Closure Report**
Enterprise 1009 Line Strike
Lea County, New Mexico
1RP-5269, NRM2004431707

Dear Ms. Miro,

Talon/LPE (Talon) has been retained by Enterprise Field Services, LLC (Enterprise) to perform remediation services at the above-referenced location. The results of our remediation activities and closure request are contained herein. Based upon the completed remedial actions and resulting confirmation sampling results below NMOCD closure criteria, on behalf of Enterprise Field Services, LLC, we respectfully request that no further actions be required and that closure of these two incidents be granted.

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 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.

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

These incidents did not take place 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 located 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:

Minimum depth of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 CI 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 conducting 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 in length 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 overspray area was determined not to be adversely impacted. The flow path excavation (averaging 3-4' deep) was not backfilled pending NMOCD approval to do so. The NMOCD assigned incident number **1RP-5269** to this release.

NRM2004431707

A second release occurred in the same spill 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 subsequently removed from service. Initial remedial activities and decommissioning of the 1009 Line were completed by others. Incident number **NRM2004431707** was assigned by the NMOCD to the release.

A Site Assessment and Remediation Plan (dated April 24, 2020) was subsequently generated that included site characterization data, maps depicting both releases at this location, photo documentation and drone aerial images. Analytical results generated from the remediation plan are included in the following data table to facilitate ease of review along with a previously generated site map.

A copy of NMOCD approval of the Remediation Plan for both of these incidents is also attached in [Appendix III](#).

Remedial Actions Completed

The remedial actions completed for this project were carried out in strict adherence to the remediation plan approved by the NMOCD ([Appendix III](#)). It is noted that sample location S-4 in the remediation plan was resampled as S-28 confirmation sample in the closure report. Analytical results from sample S-28 at 8-feet deep indicate TPH concentrations of 26.0 mg/kg. Therefore the excavation depth was not extended beyond 8-feet deep in this area.

The source area was excavated to a depth of 16-feet below ground surface. Photos (with benched slopes and safety fencing) of this area are included in [Appendix IV](#), Photographic Documentation. Confirmation samples were also collected from this area (samples S-1 through S-5, and sample S-33). It is noted that this excavation area was expanded 2-feet northward (sample S-3A) in order to ensure NMOCD closure criteria had been met.

The remainder of the impacted flow path was excavated to depths ranging between 4-feet to 8-feet below ground surface pursuant to the approved remediation plan. Figure 2 ([Appendix I](#)) illustrates excavation depths and confirmation sampling locations. Photographs of the excavated areas are included in [Appendix IV](#).

Thirty-three (33) confirmation samples were collected upon completion of excavation activities and analyzed for the constituents of concern. This is in addition to the one hundred eleven (111) samples collected and analyzed for the remediation plan. As highlighted on the following data table, in all instances NMOCD clean up criteria has been achieved. A complete copy of the laboratory reports can be referenced in [Appendix V](#).

All of the excavated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.

The excavated areas were backfilled with locally obtained, like material, from the landowner's material pit located within one mile of the project site.

The work areas were contoured to match the surrounding terrain and seeded with BLM #2 seed mix utilizing a Culti-Pack seed drill.

Photo documentation of this project, including aerial drone images illustrating excavation and completed backfilling photos are presented in [Appendix IV](#).

Confirmation Sample Analytical Data

Sample ID	Depth (ft.)	Sample Date	Sample 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	
S-1	16	6/1/2020		ND	ND	ND	ND	ND	-	ND	
S-2*	16	6/1/2020	*B-1 sample point 4/2/20		ND	ND	ND	26	ND	26.0	
S-3	16	6/1/2020		2.46	ND	25	120	ND	145.0	210	
S-3A	16	6/3/2020		ND	ND	ND	ND	ND	-	ND	
S-4	16	6/1/2020		ND	ND	ND	ND	ND	-	160	
S-5	16	6/1/2020		ND	ND	ND	ND	ND	-	ND	
B-1	16		4/2/2020	ND	ND	ND	ND	ND	-	ND	
B-1	18		4/2/2020	ND	ND	ND	ND	ND	-	32	
B-1	20		4/2/2020	ND	ND	ND	ND	ND	-	16	
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-15A	3		4/16/2020	ND	ND	ND	ND	ND	-	32	
SP-16	3		4/2/2020	ND	ND	15	203	ND	218.0	144	
SP-16A	4		4/16/2020	ND	ND	ND	ND	ND	-	NT	
SP-10	4		4/2/2020	ND	ND	ND	ND	ND	-	128	
SP-11	3		4/2/2020	ND	ND	ND	ND	ND	-	112	
SP-12	3		4/2/2020	ND	ND	ND	ND	ND	-	224	
S-6	4	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-7	4	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-8	4	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-9	8	6/1/2020		ND	ND	ND	ND	ND	-	NT	
SW-1	3		12/20/2019	ND	ND	ND	ND	ND	-	48	
SW-2	3		12/20/2019	ND	ND	ND	ND	ND	-	16	
HA-12	3		12/19/2019	ND	ND	ND	ND	ND	-	16	
HA-12	4		12/19/2019	ND	ND	ND	ND	ND	-	16	
SW-3	3		4/2/2020	6.89	ND	54.1	48.1	ND	102.1	160	
SW-3A	3		4/16/2020	ND	ND	ND	ND	ND	-	NT	
SW-4	3		4/2/2020	ND	ND	ND	ND	ND	-	ND	
HA-13	8		4/2/2020	ND	ND	ND	ND	ND	-	16	
S-10	8	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-11	8	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-12	8	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-13	8	6/1/2020		ND	ND	ND	ND	ND	-	NT	
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-14	4		4/2/2020	ND	ND	ND	ND	ND	-	80	
S-14	4	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-15	4	6/1/2020		ND	ND	ND	ND	ND	-	NT	
S-16	4	6/1/2020		ND	ND	ND	30	ND	30.0	NT	
SW-7	3		4/2/2020	0.882	ND	25.3	289	ND	314.3	ND	
SW-7A	3		4/16/2020	ND	ND	ND	16.3	ND	16.3	NT	
SW-8	3		4/2/2020	ND	ND	ND	ND	ND	-	ND	
Confirmation Results				ND-Analyte not Detected				NT-Analyte Not Tested			

Confirmation Sample Analytical Data (Cont.)

Sample ID	Depth (ft.)	Sample Date	Sample 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-15	8		4/2/2020	ND	ND	ND	ND	ND	-	ND
S-17	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-18	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-19	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-20	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-21	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
SP-7	3		4/1/2020	ND	ND	ND	78.8	ND	78.8	80
SP-8	4		4/1/2020	ND	ND	ND	ND	ND	-	ND
SP-9	3		4/1/2020	ND	ND	ND	ND	ND	-	32
S-22	4	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-23	4	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-24	4	6/1/2020		ND	ND	ND	ND	ND	-	NT
SW-9	3		4/1/2020	ND	ND	12.4	178	ND	190.4	ND
SW-9A	3		4/16/2020	ND	ND	ND	ND	ND	-	NT
SW-10	3		4/1/2020	ND	ND	ND	ND	ND	-	ND
SW-10A	3		4/16/2020	ND	ND	ND	ND	ND	-	NT
HA-16	4		4/1/2020	ND	ND	ND	ND	ND	-	ND
HA-16	6		4/1/2020	0.604	ND	ND	ND	ND	-	ND
HA-16	8		4/1/2020	ND	ND	ND	ND	ND	-	ND
S-25	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-26	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
SW-11	3		4/1/2020	10.7	ND	178	315	ND	493.0	48
SW-11A	3		4/16/2020	ND	ND	ND	31.9	ND	31.9	NT
SW-12	3		4/1/2020	6.45	ND	154	344	ND	498.0	32
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
HA-17	8		4/1/2020	11	ND	37.1	18.2	ND	55.3	ND
S-27	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-28*	8	6/1/2020	*S-4 sample point 4/1/2020	ND	ND	ND	26	ND	26.0	NT
SW-15	3		4/1/2020	ND	ND	ND	39.8	ND	39.8	ND
S-4	8		4/1/2020	3.67	ND	180	182	ND	362.0	ND
S-4	10		4/1/2020	ND	ND	ND	ND	ND	-	ND
SW-16	3		4/1/2020	0.674	ND	12.3	36.6	ND	48.9	48
SW-13	3		4/1/2020	ND	ND	ND	ND	ND	-	32
SW-14	3		4/1/2020	ND	ND	ND	ND	ND	-	16
HA-18	4		4/1/2020	ND	ND	ND	ND	ND	-	ND
S-29	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-30	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-31	8	6/1/2020		ND	ND	ND	ND	ND	-	NT
S-32	8	6/1/2020		ND	ND	ND	28	ND	28.0	NT
S-33	16	6/3/2020		ND	ND	ND	ND	ND	-	79
Confirmation Results				ND-Analyte not Detected			NT-Analyte Not Tested			

Closure

Based upon the completed remedial actions and resulting confirmation sampling results below NMOCD closure criteria, on behalf of Enterprise Products Operating, LLC., we respectfully request that no further actions be required and that closure of these two incidents be granted.

Should you have any questions or if further information is required, please do not hesitate to contact us.

Respectfully submitted,

TALON/LPE

David J. Adkins
Regional Manager

Appendix I Site Maps
Appendix II Groundwater and Soil Data
Appendix III NMOCD Correspondence, Remediation Plan
Appendix IV Photographic Documentation
Appendix V Laboratory Reports



APPENDIX I

SITE PLANS



Legend
 • Soil Sample



Drafted: 8/10/2020
 1 in = 70 ft
 Drafted By: JAI

Enterprise 1009 Line
 Enterprise Products, LLC
 Artesia, New Mexico
 Figure 1 - Sample Location Map



Legend

- Soil Sample
- 4' Excavation
- 8' Excavation
- 16' Excavation



Drafted: 8/10/2020
 1 in = 70 ft
 Drafted By: JAI

Enterprise 1009 Line
 Enterprise Products, LLC
 Artesia, New Mexico
 Figure 2 - Excavation Depths



Legend
 • Soil Sample



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

Enterprise 1009, Remediation Plan
 Enterprise Products, LLC
 Artesia, New Mexico
 Figure 2 - Site Plan



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY



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

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

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

C=the file is closed)

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

(NAD83 UTM in meters)

(In feet)

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

Average Depth to Water: 560 feet
 Minimum Depth: 560 feet
 Maximum Depth: 560 feet

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 627552

Northing (Y): 3588493

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	POD Code	Sub-basin	County	Q	Q	Q	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
C 02821		C	LE	2	2	3	14	22S	32E		627303	3584563*	3937	540	340	200
C 02096		CUB	ED	2	3	14	22S	32E			627204	3584464*	4044	435	360	75
C 03717	POD1	C	LE	4	4	1	09	22S	32E		624094	3586365	4060	650		

Average Depth to Water: 420 feet
Minimum Depth: 340 feet
Maximum Depth: 560 feet

Record Count:4

UTMNAD83 Radius Search (in meters):

Easting (X): 627552

Northing (Y): 3588493

Radius: 5000

*UTM location was derived from PLSS - see Help

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

1/27/19 5:40 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Lea County, New Mexico

PU—Pyote and maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Maljamar and similar soils: 45 percent
Pyote and similar soils: 45 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Gypsum, maximum in profile: 1 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Description of Pyote**Setting**

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High
 (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Gypsum, maximum in profile: 1 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components**Kermit**

Percent of map unit: 10 percent
Ecological site: Sandhills (R042XC022NM)

Hydric soil rating: No

Data Source Information

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



APPENDIX III

NMOCD APPROVAL

REMEDICATION PLAN

David J. Adkins

From: Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Sent: Monday, July 06, 2020 11:19 AM
To: jefields@eprod.com
Cc: David J. Adkins; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Venegas, Victoria, EMNRD
Subject: NRM2004431707 1009 PIPELINE @ A-02-22S-23E 0N 0E
Attachments: (C-141 Final) NRM2004431707.pdf

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Mr. Fields,

The OCD has approved the Remediation Plan C-141 for incident # NRM2004431707 with the following condition:

- The S-4 area will need to be remediated beyond 8 feet below ground surface (bgs), as the TPH concentrations at this location exceed the closure criteria at 8' bgs.

The signed C-141 can be found in the online image data base under the incident #.

Thanks,

Cristina Eads

Environmental Bureau
EMNRD – Oil Conservation Division
 5200 Oakland Avenue NE, Suite 100
 Albuquerque, New Mexico 87113
 505.670-5601
 email: Cristina.Eads@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.

Cristina Eads

Environmental Bureau
EMNRD – Oil Conservation Division
 5200 Oakland Avenue NE, Suite 100
 Albuquerque, New Mexico 87113
 505.670-5601
 email: Cristina.Eads@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.

Form C-141

State of New Mexico
Oil Conservation Division

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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 not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 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.

Form C-141

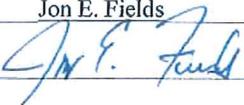
State of New Mexico
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Incident ID	
District RP	1RP-5269 and NRM2004431707
Facility ID	
Application ID	

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

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	
District RP	1RP-5269 and NRM2004431707
Facility ID	
Application ID	

Remediation Plan

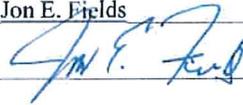
Remediation Plan Checklist: Each of the following items must be included in the plan.

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

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

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

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

Printed Name: Jon E. Fields Title: Director, Field Environmental
 Signature:  Date: 4/28/2020
 email: jeffields@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



APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

Enterprise 1009 Line

Photographic Documentation



Aerial View Excavation, Drone Image

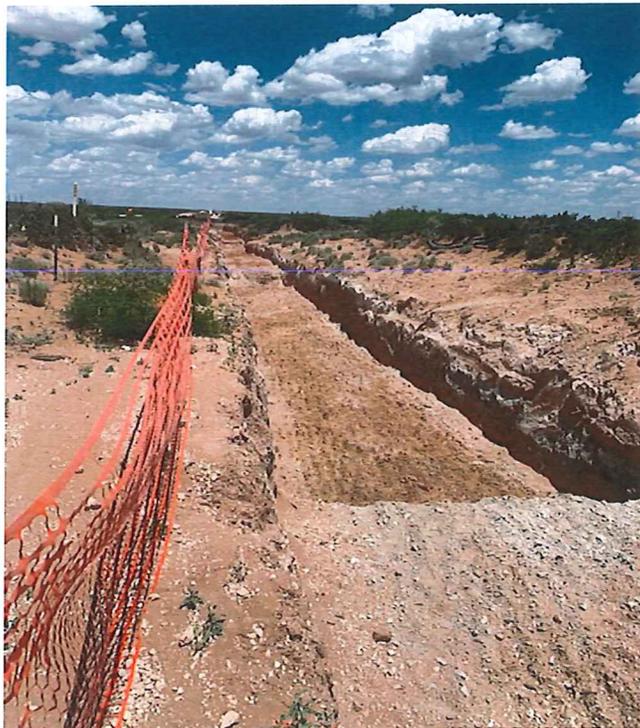


Aerial View Excavation, Drone Image

Enterprise 1009 Line



Excavation Photo



Excavation Photo

Enterprise 1009 Line



Excavation Photo



Excavation Photo

Enterprise 1009 Line



Aerial View Backfilled Excavation, Drone Image

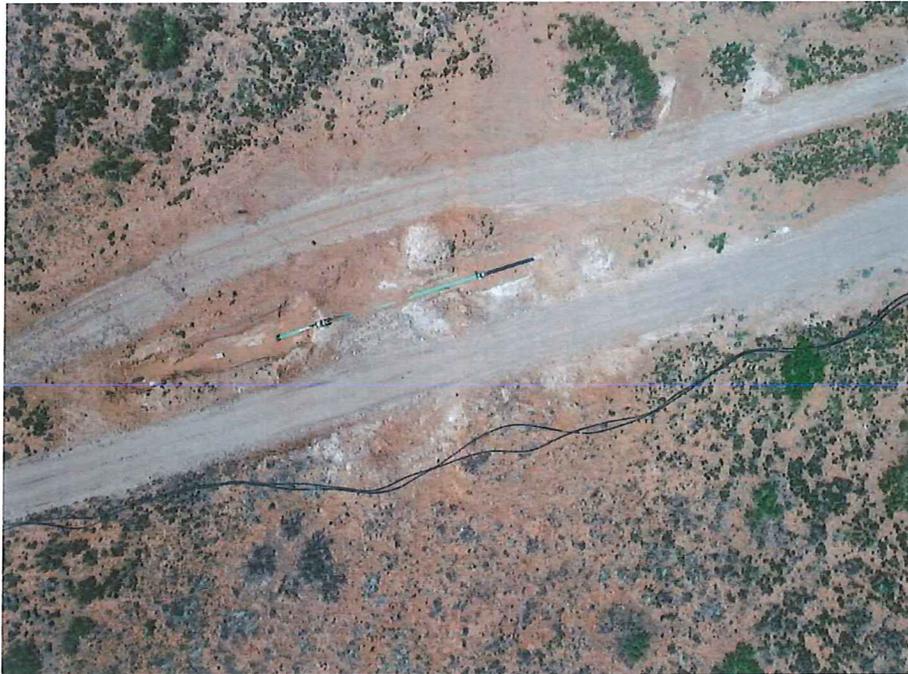


Aerial View Backfilled Excavation, Drone Image

Enterprise 1009 Line



Aerial View Backfilled Excavation, Drone Image



Aerial View Backfilled Excavation, Drone Image



APPENDIX V

LABORATORY DATA



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

June 08, 2020

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

RE: Enterprise 1009 Spill

OrderNo.: 2006127

Dear David Adkins:

Hall Environmental Analysis Laboratory received 32 sample(s) on 6/3/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-1 16'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 10:38:00 AM
Lab ID: 2006127-001 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/4/2020 8:08:43 AM	52870
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	6/3/2020 1:19:14 PM	G69384
Surr: BFB	106	70-130		%Rec	1	6/3/2020 1:19:14 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/3/2020 8:27:35 PM	52855
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/3/2020 8:27:35 PM	52855
Surr: DNOP	72.8	55.1-146		%Rec	1	6/3/2020 8:27:35 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.020		mg/Kg	1	6/3/2020 1:19:14 PM	R69384
Toluene	ND	0.040		mg/Kg	1	6/3/2020 1:19:14 PM	R69384
Ethylbenzene	ND	0.040		mg/Kg	1	6/3/2020 1:19:14 PM	R69384
Xylenes, Total	ND	0.080		mg/Kg	1	6/3/2020 1:19:14 PM	R69384
Surr: 1,2-Dichloroethane-d4	97.5	70-130		%Rec	1	6/3/2020 1:19:14 PM	R69384
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	6/3/2020 1:19:14 PM	R69384
Surr: Dibromofluoromethane	96.6	70-130		%Rec	1	6/3/2020 1:19:14 PM	R69384
Surr: Toluene-d8	106	70-130		%Rec	1	6/3/2020 1:19:14 PM	R69384

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

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

Analytical Report
 Lab Order 2006127
 Date Reported: 6/8/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-2 16'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 10:40:00 AM
Lab ID: 2006127-002 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/4/2020 9:10:28 AM	52870
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	6/3/2020 2:47:28 PM	G69384
Surr: BFB	104	70-130		%Rec	1	6/3/2020 2:47:28 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	26	9.4		mg/Kg	1	6/3/2020 9:41:23 PM	52855
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/3/2020 9:41:23 PM	52855
Surr: DNOP	69.0	55.1-146		%Rec	1	6/3/2020 9:41:23 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	6/3/2020 2:47:28 PM	R69384
Toluene	ND	0.039		mg/Kg	1	6/3/2020 2:47:28 PM	R69384
Ethylbenzene	ND	0.039		mg/Kg	1	6/3/2020 2:47:28 PM	R69384
Xylenes, Total	ND	0.077		mg/Kg	1	6/3/2020 2:47:28 PM	R69384
Surr: 1,2-Dichloroethane-d4	97.9	70-130		%Rec	1	6/3/2020 2:47:28 PM	R69384
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	6/3/2020 2:47:28 PM	R69384
Surr: Dibromofluoromethane	97.0	70-130		%Rec	1	6/3/2020 2:47:28 PM	R69384
Surr: Toluene-d8	104	70-130		%Rec	1	6/3/2020 2:47:28 PM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-3 16'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 10:42:00 AM
Lab ID: 2006127-003 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	210	60		mg/Kg	20	6/4/2020 9:22:49 AM	52870
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	25	3.7		mg/Kg	1	6/3/2020 4:15:57 PM	G69384
Surr: BFB	103	70-130		%Rec	1	6/3/2020 4:15:57 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	120	9.6		mg/Kg	1	6/3/2020 10:05:58 PM	52855
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/3/2020 10:05:58 PM	52855
Surr: DNOP	62.7	55.1-146		%Rec	1	6/3/2020 10:05:58 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	6/3/2020 4:15:57 PM	R69384
Toluene	0.26	0.037		mg/Kg	1	6/3/2020 4:15:57 PM	R69384
Ethylbenzene	0.20	0.037		mg/Kg	1	6/3/2020 4:15:57 PM	R69384
Xylenes, Total	2.0	0.075		mg/Kg	1	6/3/2020 4:15:57 PM	R69384
Surr: 1,2-Dichloroethane-d4	98.4	70-130		%Rec	1	6/3/2020 4:15:57 PM	R69384
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	6/3/2020 4:15:57 PM	R69384
Surr: Dibromofluoromethane	98.7	70-130		%Rec	1	6/3/2020 4:15:57 PM	R69384
Surr: Toluene-d8	101	70-130		%Rec	1	6/3/2020 4:15:57 PM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-4 16'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 10:44:00 AM
Lab ID: 2006127-004 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	160	60		mg/Kg	20	6/4/2020 9:35:09 AM	52870
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	6/3/2020 4:45:23 PM	G69384
Surr: BFB	105	70-130		%Rec	1	6/3/2020 4:45:23 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/3/2020 10:30:35 PM	52855
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/3/2020 10:30:35 PM	52855
Surr: DNOP	57.6	55.1-146		%Rec	1	6/3/2020 10:30:35 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	6/3/2020 4:45:23 PM	R69384
Toluene	ND	0.039		mg/Kg	1	6/3/2020 4:45:23 PM	R69384
Ethylbenzene	ND	0.039		mg/Kg	1	6/3/2020 4:45:23 PM	R69384
Xylenes, Total	ND	0.078		mg/Kg	1	6/3/2020 4:45:23 PM	R69384
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	6/3/2020 4:45:23 PM	R69384
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	6/3/2020 4:45:23 PM	R69384
Surr: Dibromofluoromethane	97.3	70-130		%Rec	1	6/3/2020 4:45:23 PM	R69384
Surr: Toluene-d8	102	70-130		%Rec	1	6/3/2020 4:45:23 PM	R69384

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of range due to dilution or matrix 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-6 4'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:34:00 AM
Lab ID: 2006127-006 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/3/2020 5:44:26 PM	G69384
Surr: BFB	108	70-130		%Rec	1	6/3/2020 5:44:26 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/3/2020 11:19:48 PM	52855
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/3/2020 11:19:48 PM	52855
Surr: DNOP	52.9	55.1-146	S	%Rec	1	6/3/2020 11:19:48 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/3/2020 5:44:26 PM	R69384
Toluene	ND	0.036		mg/Kg	1	6/3/2020 5:44:26 PM	R69384
Ethylbenzene	ND	0.036		mg/Kg	1	6/3/2020 5:44:26 PM	R69384
Xylenes, Total	ND	0.072		mg/Kg	1	6/3/2020 5:44:26 PM	R69384
Surr: 1,2-Dichloroethane-d4	99.7	70-130		%Rec	1	6/3/2020 5:44:26 PM	R69384
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	6/3/2020 5:44:26 PM	R69384
Surr: Dibromofluoromethane	98.2	70-130		%Rec	1	6/3/2020 5:44:26 PM	R69384
Surr: Toluene-d8	105	70-130		%Rec	1	6/3/2020 5:44:26 PM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-7 4'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:37:00 AM
Lab ID: 2006127-007 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	6/3/2020 6:13:49 PM	G69384
Surr: BFB	108	70-130		%Rec	1	6/3/2020 6:13:49 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/3/2020 11:44:22 PM	52855
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/3/2020 11:44:22 PM	52855
Surr: DNOP	56.0	55.1-146		%Rec	1	6/3/2020 11:44:22 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	6/3/2020 6:13:49 PM	R69384
Toluene	ND	0.037		mg/Kg	1	6/3/2020 6:13:49 PM	R69384
Ethylbenzene	ND	0.037		mg/Kg	1	6/3/2020 6:13:49 PM	R69384
Xylenes, Total	ND	0.075		mg/Kg	1	6/3/2020 6:13:49 PM	R69384
Surr: 1,2-Dichloroethane-d4	97.2	70-130		%Rec	1	6/3/2020 6:13:49 PM	R69384
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/3/2020 6:13:49 PM	R69384
Surr: Dibromofluoromethane	98.6	70-130		%Rec	1	6/3/2020 6:13:49 PM	R69384
Surr: Toluene-d8	106	70-130		%Rec	1	6/3/2020 6:13:49 PM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-8 4'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:38:00 AM
Lab ID: 2006127-008 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/3/2020 6:43:08 PM	G69384
Surr: BFB	102	70-130		%Rec	1	6/3/2020 6:43:08 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/4/2020 12:08:55 AM	52855
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/4/2020 12:08:55 AM	52855
Surr: DNOP	59.2	55.1-146		%Rec	1	6/4/2020 12:08:55 AM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/3/2020 6:43:08 PM	R69384
Toluene	ND	0.036		mg/Kg	1	6/3/2020 6:43:08 PM	R69384
Ethylbenzene	ND	0.036		mg/Kg	1	6/3/2020 6:43:08 PM	R69384
Xylenes, Total	ND	0.072		mg/Kg	1	6/3/2020 6:43:08 PM	R69384
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	6/3/2020 6:43:08 PM	R69384
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	6/3/2020 6:43:08 PM	R69384
Surr: Dibromofluoromethane	98.3	70-130		%Rec	1	6/3/2020 6:43:08 PM	R69384
Surr: Toluene-d8	101	70-130		%Rec	1	6/3/2020 6:43:08 PM	R69384

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of range due to dilution or matrix 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-9 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:41:00 AM
Lab ID: 2006127-009 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/3/2020 7:12:24 PM	G69384
Surr: BFB	100	70-130		%Rec	1	6/3/2020 7:12:24 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/4/2020 1:47:43 PM	52855
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/4/2020 1:47:43 PM	52855
Surr: DNOP	62.2	55.1-146		%Rec	1	6/4/2020 1:47:43 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/3/2020 7:12:24 PM	R69384
Toluene	ND	0.036		mg/Kg	1	6/3/2020 7:12:24 PM	R69384
Ethylbenzene	ND	0.036		mg/Kg	1	6/3/2020 7:12:24 PM	R69384
Xylenes, Total	ND	0.072		mg/Kg	1	6/3/2020 7:12:24 PM	R69384
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/3/2020 7:12:24 PM	R69384
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	6/3/2020 7:12:24 PM	R69384
Surr: Dibromofluoromethane	101	70-130		%Rec	1	6/3/2020 7:12:24 PM	R69384
Surr: Toluene-d8	105	70-130		%Rec	1	6/3/2020 7:12:24 PM	R69384

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of range due to dilution or matrix 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-10 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:43:00 AM
Lab ID: 2006127-010 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	6/3/2020 7:41:40 PM	G69384
Surr: BFB	103	70-130		%Rec	1	6/3/2020 7:41:40 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/4/2020 2:12:31 PM	52855
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/4/2020 2:12:31 PM	52855
Surr: DNOP	59.2	55.1-146		%Rec	1	6/4/2020 2:12:31 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.017		mg/Kg	1	6/3/2020 7:41:40 PM	R69384
Toluene	ND	0.035		mg/Kg	1	6/3/2020 7:41:40 PM	R69384
Ethylbenzene	ND	0.035		mg/Kg	1	6/3/2020 7:41:40 PM	R69384
Xylenes, Total	ND	0.069		mg/Kg	1	6/3/2020 7:41:40 PM	R69384
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	6/3/2020 7:41:40 PM	R69384
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	6/3/2020 7:41:40 PM	R69384
Surr: Dibromofluoromethane	97.3	70-130		%Rec	1	6/3/2020 7:41:40 PM	R69384
Surr: Toluene-d8	102	70-130		%Rec	1	6/3/2020 7:41:40 PM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-12 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:45:00 AM
Lab ID: 2006127-012 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/3/2020 10:37:29 PM	G69384
Surr: BFB	103	70-130		%Rec	1	6/3/2020 10:37:29 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/4/2020 3:02:00 PM	52855
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/4/2020 3:02:00 PM	52855
Surr: DNOP	57.6	55.1-146		%Rec	1	6/4/2020 3:02:00 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/3/2020 10:37:29 PM	R69384
Toluene	ND	0.036		mg/Kg	1	6/3/2020 10:37:29 PM	R69384
Ethylbenzene	ND	0.036		mg/Kg	1	6/3/2020 10:37:29 PM	R69384
Xylenes, Total	ND	0.072		mg/Kg	1	6/3/2020 10:37:29 PM	R69384
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%Rec	1	6/3/2020 10:37:29 PM	R69384
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	6/3/2020 10:37:29 PM	R69384
Surr: Dibromofluoromethane	98.7	70-130		%Rec	1	6/3/2020 10:37:29 PM	R69384
Surr: Toluene-d8	103	70-130		%Rec	1	6/3/2020 10:37:29 PM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-14 4'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:49:00 AM
Lab ID: 2006127-014 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/3/2020 11:36:16 PM	G69384
Surr: BFB	100	70-130		%Rec	1	6/3/2020 11:36:16 PM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/4/2020 3:51:41 PM	52855
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/4/2020 3:51:41 PM	52855
Surr: DNOP	60.8	55.1-146		%Rec	1	6/4/2020 3:51:41 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/3/2020 11:36:16 PM	R69384
Toluene	ND	0.036		mg/Kg	1	6/3/2020 11:36:16 PM	R69384
Ethylbenzene	ND	0.036		mg/Kg	1	6/3/2020 11:36:16 PM	R69384
Xylenes, Total	ND	0.071		mg/Kg	1	6/3/2020 11:36:16 PM	R69384
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/3/2020 11:36:16 PM	R69384
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	6/3/2020 11:36:16 PM	R69384
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	6/3/2020 11:36:16 PM	R69384
Surr: Toluene-d8	101	70-130		%Rec	1	6/3/2020 11:36:16 PM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-16 4'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:52:00 AM
Lab ID: 2006127-016 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/4/2020 12:34:31 AM	G69384
Surr: BFB	101	70-130		%Rec	1	6/4/2020 12:34:31 AM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	30	9.5		mg/Kg	1	6/4/2020 3:14:39 PM	52855
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/4/2020 3:14:39 PM	52855
Surr: DNOP	84.8	55.1-146		%Rec	1	6/4/2020 3:14:39 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/4/2020 12:34:31 AM	R69384
Toluene	ND	0.036		mg/Kg	1	6/4/2020 12:34:31 AM	R69384
Ethylbenzene	ND	0.036		mg/Kg	1	6/4/2020 12:34:31 AM	R69384
Xylenes, Total	ND	0.072		mg/Kg	1	6/4/2020 12:34:31 AM	R69384
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/4/2020 12:34:31 AM	R69384
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	6/4/2020 12:34:31 AM	R69384
Surr: Dibromofluoromethane	103	70-130		%Rec	1	6/4/2020 12:34:31 AM	R69384
Surr: Toluene-d8	102	70-130		%Rec	1	6/4/2020 12:34:31 AM	R69384

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of range due to dilution or matrix 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit 	Page 16 of 44
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: S-18 8'
 Project: Enterprise 1009 Spill Collection Date: 6/1/2020 11:57:00 AM
 Lab ID: 2006127-018 Matrix: SOIL Received Date: 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg	1	6/4/2020 1:33:14 AM	G69384
Surr: BFB	103	70-130		%Rec	1	6/4/2020 1:33:14 AM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/4/2020 4:03:12 PM	52855
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/4/2020 4:03:12 PM	52855
Surr: DNOP	71.0	55.1-146		%Rec	1	6/4/2020 4:03:12 PM	52855
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.026		mg/Kg	1	6/4/2020 1:33:14 AM	R69384
Toluene	ND	0.052		mg/Kg	1	6/4/2020 1:33:14 AM	R69384
Ethylbenzene	ND	0.052		mg/Kg	1	6/4/2020 1:33:14 AM	R69384
Xylenes, Total	ND	0.10		mg/Kg	1	6/4/2020 1:33:14 AM	R69384
Surr: 1,2-Dichloroethane-d4	95.6	70-130		%Rec	1	6/4/2020 1:33:14 AM	R69384
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	6/4/2020 1:33:14 AM	R69384
Surr: Dibromofluoromethane	92.4	70-130		%Rec	1	6/4/2020 1:33:14 AM	R69384
Surr: Toluene-d8	105	70-130		%Rec	1	6/4/2020 1:33:14 AM	R69384

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-19 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 11:58:00 AM
Lab ID: 2006127-019 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/4/2020 2:02:26 AM	G69384
Surr: BFB	104	70-130		%Rec	1	6/4/2020 2:02:26 AM	G69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/4/2020 1:46:53 AM	52856
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/4/2020 1:46:53 AM	52856
Surr: DNOP	67.6	55.1-146		%Rec	1	6/4/2020 1:46:53 AM	52856
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/4/2020 2:02:26 AM	R69384
Toluene	ND	0.036		mg/Kg	1	6/4/2020 2:02:26 AM	R69384
Ethylbenzene	ND	0.036		mg/Kg	1	6/4/2020 2:02:26 AM	R69384
Xylenes, Total	ND	0.072		mg/Kg	1	6/4/2020 2:02:26 AM	R69384
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%Rec	1	6/4/2020 2:02:26 AM	R69384
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	6/4/2020 2:02:26 AM	R69384
Surr: Dibromofluoromethane	98.8	70-130		%Rec	1	6/4/2020 2:02:26 AM	R69384
Surr: Toluene-d8	105	70-130		%Rec	1	6/4/2020 2:02:26 AM	R69384

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of range due to dilution or matrix 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-21 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 12:02:00 PM
Lab ID: 2006127-021 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	6/4/2020 5:11:35 AM	G69389
Surr: BFB	103	70-130		%Rec	1	6/4/2020 5:11:35 AM	G69389
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/4/2020 3:24:24 AM	52856
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/4/2020 3:24:24 AM	52856
Surr: DNOP	59.1	55.1-146		%Rec	1	6/4/2020 3:24:24 AM	52856
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.017		mg/Kg	1	6/4/2020 5:11:35 AM	R69389
Toluene	ND	0.035		mg/Kg	1	6/4/2020 5:11:35 AM	R69389
Ethylbenzene	ND	0.035		mg/Kg	1	6/4/2020 5:11:35 AM	R69389
Xylenes, Total	ND	0.070		mg/Kg	1	6/4/2020 5:11:35 AM	R69389
Surr: 1,2-Dichloroethane-d4	93.6	70-130		%Rec	1	6/4/2020 5:11:35 AM	R69389
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/4/2020 5:11:35 AM	R69389
Surr: Dibromofluoromethane	100	70-130		%Rec	1	6/4/2020 5:11:35 AM	R69389
Surr: Toluene-d8	100	70-130		%Rec	1	6/4/2020 5:11:35 AM	R69389

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: S-22 4'
 Project: Enterprise 1009 Spill Collection Date: 6/1/2020 12:03:00 PM
 Lab ID: 2006127-022 Matrix: SOIL Received Date: 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/4/2020 5:40:08 AM	G69389
Surr: BFB	94.6	70-130		%Rec	1	6/4/2020 5:40:08 AM	G69389
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	6/4/2020 3:48:39 AM	52856
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/4/2020 3:48:39 AM	52856
Surr: DNOP	62.5	55.1-146		%Rec	1	6/4/2020 3:48:39 AM	52856
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	6/4/2020 5:40:08 AM	R69389
Toluene	ND	0.036		mg/Kg	1	6/4/2020 5:40:08 AM	R69389
Ethylbenzene	ND	0.036		mg/Kg	1	6/4/2020 5:40:08 AM	R69389
Xylenes, Total	ND	0.073		mg/Kg	1	6/4/2020 5:40:08 AM	R69389
Surr: 1,2-Dichloroethane-d4	92.8	70-130		%Rec	1	6/4/2020 5:40:08 AM	R69389
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	6/4/2020 5:40:08 AM	R69389
Surr: Dibromofluoromethane	96.8	70-130		%Rec	1	6/4/2020 5:40:08 AM	R69389
Surr: Toluene-d8	98.2	70-130		%Rec	1	6/4/2020 5:40:08 AM	R69389

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: S-24 4'
 Project: Enterprise 1009 Spill Collection Date: 6/1/2020 12:06:00 PM
 Lab ID: 2006127-024 Matrix: SOIL Received Date: 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	6/4/2020 6:37:06 AM	G69389
Surr: BFB	102	70-130		%Rec	1	6/4/2020 6:37:06 AM	G69389
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/4/2020 4:37:05 AM	52856
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/4/2020 4:37:05 AM	52856
Surr: DNOP	60.4	55.1-146		%Rec	1	6/4/2020 4:37:05 AM	52856
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.022		mg/Kg	1	6/4/2020 6:37:06 AM	R69389
Toluene	ND	0.043		mg/Kg	1	6/4/2020 6:37:06 AM	R69389
Ethylbenzene	ND	0.043		mg/Kg	1	6/4/2020 6:37:06 AM	R69389
Xylenes, Total	ND	0.087		mg/Kg	1	6/4/2020 6:37:06 AM	R69389
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%Rec	1	6/4/2020 6:37:06 AM	R69389
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	6/4/2020 6:37:06 AM	R69389
Surr: Dibromofluoromethane	103	70-130		%Rec	1	6/4/2020 6:37:06 AM	R69389
Surr: Toluene-d8	101	70-130		%Rec	1	6/4/2020 6:37:06 AM	R69389

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-25 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 12:09:00 PM
Lab ID: 2006127-025 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/4/2020 12:40:13 PM	52857
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/4/2020 12:40:13 PM	52857
Surr: DNOP	71.7	55.1-146		%Rec	1	6/4/2020 12:40:13 PM	52857
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/4/2020 12:57:09 PM	52861
Surr: BFB	82.6	66.6-105		%Rec	1	6/4/2020 12:57:09 PM	52861
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/4/2020 12:57:09 PM	52861
Toluene	ND	0.048		mg/Kg	1	6/4/2020 12:57:09 PM	52861
Ethylbenzene	ND	0.048		mg/Kg	1	6/4/2020 12:57:09 PM	52861
Xylenes, Total	ND	0.096		mg/Kg	1	6/4/2020 12:57:09 PM	52861
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/4/2020 12:57:09 PM	52861

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-26 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 12:11:00 PM
Lab ID: 2006127-026 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/4/2020 8:31:15 AM	52868
Surr: BFB	97.5	70-130		%Rec	1	6/4/2020 8:31:15 AM	52868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/4/2020 1:04:47 PM	52857
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/4/2020 1:04:47 PM	52857
Surr: DNOP	73.4	55.1-146		%Rec	1	6/4/2020 1:04:47 PM	52857
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	6/4/2020 8:31:15 AM	52868
Toluene	ND	0.050		mg/Kg	1	6/4/2020 8:31:15 AM	52868
Ethylbenzene	ND	0.050		mg/Kg	1	6/4/2020 8:31:15 AM	52868
Xylenes, Total	ND	0.10		mg/Kg	1	6/4/2020 8:31:15 AM	52868
Surr: 1,2-Dichloroethane-d4	88.7	70-130		%Rec	1	6/4/2020 8:31:15 AM	52868
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	6/4/2020 8:31:15 AM	52868
Surr: Dibromofluoromethane	100	70-130		%Rec	1	6/4/2020 8:31:15 AM	52868
Surr: Toluene-d8	97.7	70-130		%Rec	1	6/4/2020 8:31:15 AM	52868

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-27 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 12:12:00 PM
Lab ID: 2006127-027 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/4/2020 8:59:54 AM	52868
Surr: BFB	96.0	70-130		%Rec	1	6/4/2020 8:59:54 AM	52868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/4/2020 1:29:23 PM	52857
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/4/2020 1:29:23 PM	52857
Surr: DNOP	72.7	55.1-146		%Rec	1	6/4/2020 1:29:23 PM	52857
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	6/4/2020 8:59:54 AM	52868
Toluene	ND	0.047		mg/Kg	1	6/4/2020 8:59:54 AM	52868
Ethylbenzene	ND	0.047		mg/Kg	1	6/4/2020 8:59:54 AM	52868
Xylenes, Total	ND	0.093		mg/Kg	1	6/4/2020 8:59:54 AM	52868
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%Rec	1	6/4/2020 8:59:54 AM	52868
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	6/4/2020 8:59:54 AM	52868
Surr: Dibromofluoromethane	105	70-130		%Rec	1	6/4/2020 8:59:54 AM	52868
Surr: Toluene-d8	95.8	70-130		%Rec	1	6/4/2020 8:59:54 AM	52868

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-28 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 12:14:00 PM
Lab ID: 2006127-028 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/4/2020 9:28:25 AM	52868
Surr: BFB	100	70-130		%Rec	1	6/4/2020 9:28:25 AM	52868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	26	9.7		mg/Kg	1	6/4/2020 1:54:05 PM	52857
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/4/2020 1:54:05 PM	52857
Surr: DNOP	75.5	55.1-146		%Rec	1	6/4/2020 1:54:05 PM	52857
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	6/4/2020 9:28:25 AM	52868
Toluene	ND	0.049		mg/Kg	1	6/4/2020 9:28:25 AM	52868
Ethylbenzene	ND	0.049		mg/Kg	1	6/4/2020 9:28:25 AM	52868
Xylenes, Total	0.17	0.099		mg/Kg	1	6/4/2020 9:28:25 AM	52868
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	1	6/4/2020 9:28:25 AM	52868
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	6/4/2020 9:28:25 AM	52868
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/4/2020 9:28:25 AM	52868
Surr: Toluene-d8	97.5	70-130		%Rec	1	6/4/2020 9:28:25 AM	52868

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-29 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 12:17:00 PM
Lab ID: 2006127-029 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/4/2020 9:56:55 AM	52868
Surr: BFB	96.7	70-130		%Rec	1	6/4/2020 9:56:55 AM	52868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/4/2020 2:18:51 PM	52857
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/4/2020 2:18:51 PM	52857
Surr: DNOP	79.2	55.1-146		%Rec	1	6/4/2020 2:18:51 PM	52857
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	6/4/2020 9:56:55 AM	52868
Toluene	ND	0.050		mg/Kg	1	6/4/2020 9:56:55 AM	52868
Ethylbenzene	ND	0.050		mg/Kg	1	6/4/2020 9:56:55 AM	52868
Xylenes, Total	ND	0.10		mg/Kg	1	6/4/2020 9:56:55 AM	52868
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%Rec	1	6/4/2020 9:56:55 AM	52868
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	6/4/2020 9:56:55 AM	52868
Surr: Dibromofluoromethane	100	70-130		%Rec	1	6/4/2020 9:56:55 AM	52868
Surr: Toluene-d8	102	70-130		%Rec	1	6/4/2020 9:56:55 AM	52868

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-30 8'
Project: Enterprise 1009 Spill **Collection Date:** 6/1/2020 12:19:00 PM
Lab ID: 2006127-030 **Matrix:** SOIL **Received Date:** 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/4/2020 10:25:25 AM	52868
Surr: BFB	94.0	70-130		%Rec	1	6/4/2020 10:25:25 AM	52868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	6/4/2020 2:43:43 PM	52857
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/4/2020 2:43:43 PM	52857
Surr: DNOP	75.8	55.1-146		%Rec	1	6/4/2020 2:43:43 PM	52857
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	6/4/2020 10:25:25 AM	52868
Toluene	ND	0.047		mg/Kg	1	6/4/2020 10:25:25 AM	52868
Ethylbenzene	ND	0.047		mg/Kg	1	6/4/2020 10:25:25 AM	52868
Xylenes, Total	ND	0.095		mg/Kg	1	6/4/2020 10:25:25 AM	52868
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	1	6/4/2020 10:25:25 AM	52868
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	6/4/2020 10:25:25 AM	52868
Surr: Dibromofluoromethane	101	70-130		%Rec	1	6/4/2020 10:25:25 AM	52868
Surr: Toluene-d8	98.6	70-130		%Rec	1	6/4/2020 10:25:25 AM	52868

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: S-32 8'
 Project: Enterprise 1009 Spill Collection Date: 6/1/2020 12:28:00 PM
 Lab ID: 2006127-032 Matrix: SOIL Received Date: 6/3/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/4/2020 10:06:30 AM	52869
Surr: BFB	100	70-130		%Rec	1	6/4/2020 10:06:30 AM	52869
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	28	9.2		mg/Kg	1	6/4/2020 3:33:35 PM	52857
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/4/2020 3:33:35 PM	52857
Surr: DNOP	79.3	55.1-146		%Rec	1	6/4/2020 3:33:35 PM	52857
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	6/4/2020 10:06:30 AM	52869
Toluene	ND	0.050		mg/Kg	1	6/4/2020 10:06:30 AM	52869
Ethylbenzene	ND	0.050		mg/Kg	1	6/4/2020 10:06:30 AM	52869
Xylenes, Total	ND	0.10		mg/Kg	1	6/4/2020 10:06:30 AM	52869
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%Rec	1	6/4/2020 10:06:30 AM	52869
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	6/4/2020 10:06:30 AM	52869
Surr: Dibromofluoromethane	92.5	70-130		%Rec	1	6/4/2020 10:06:30 AM	52869
Surr: Toluene-d8	99.8	70-130		%Rec	1	6/4/2020 10:06:30 AM	52869

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

Qualifiers: * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of range due to dilution or matrix	B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit	Page 32 of 44
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QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: MB-52870	SampType: mbk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52870	RunNo: 69354								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406593	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52870	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52870	RunNo: 69354								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406594	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: 2006127-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1 16'	Batch ID: 52855	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/3/2020	SeqNo: 2405745			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.5	47.35	0	89.2	47.4	136	1.95	43.4	
Surr: DNOP	2.8		4.735		58.4	55.1	146	0	0	

Sample ID: 2006127-019AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-19 8'	Batch ID: 52856	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2405759			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.9	49.41	0	93.3	47.4	136	5.93	43.4	
Surr: DNOP	3.6		4.941		72.2	55.1	146	0	0	

Sample ID: 2006127-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1 16'	Batch ID: 52855	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/3/2020	SeqNo: 2405760			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.5	47.44	0	87.3	47.4	136			
Surr: DNOP	2.9		4.744		60.9	55.1	146			

Sample ID: 2006127-019AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-19 8'	Batch ID: 52856	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2405767			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.1	45.37	0	95.7	47.4	136			
Surr: DNOP	3.2		4.537		70.5	55.1	146			

Sample ID: MB-52855	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52855	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/3/2020	SeqNo: 2405806			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.9	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: LCS-52855	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52855	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/3/2020	SeqNo: 2405819	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.3	70	130			
Surr: DNOP	3.5		5.000		69.2	55.1	146			

Sample ID: MB-52856	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52856	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2405853	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.3		10.00		62.9	55.1	146			

Sample ID: LCS-52856	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52856	RunNo: 69343								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2405854	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.6	70	130			
Surr: DNOP	3.1		5.000		62.0	55.1	146			

Sample ID: MB-52857	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52857	RunNo: 69378								
Prep Date: 6/4/2020	Analysis Date: 6/4/2020	SeqNo: 2406077	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	55.1	146			

Sample ID: LCS-52857	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52857	RunNo: 69378								
Prep Date: 6/4/2020	Analysis Date: 6/4/2020	SeqNo: 2406380	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	70	130			
Surr: DNOP	5.1		5.000		102	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006127

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: 2006127-025AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-25 8'	Batch ID: 52857	RunNo: 69422								
Prep Date: 6/4/2020	Analysis Date: 6/5/2020	SeqNo: 2408992	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.4	47.08	0	106	47.4	136			
Surr: DNOP	4.8		4.708		102	55.1	146			

Sample ID: 2006127-025AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-25 8'	Batch ID: 52857	RunNo: 69422								
Prep Date: 6/4/2020	Analysis Date: 6/5/2020	SeqNo: 2408993	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	47.4	136	5.82	43.4	
Surr: DNOP	5.1		5.000		102	55.1	146	0	0	

Sample ID: LCS-52928	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52928	RunNo: 69454								
Prep Date: 6/6/2020	Analysis Date: 6/7/2020	SeqNo: 2409916	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.5		5.000		129	55.1	146			

Sample ID: MB-52928	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52928	RunNo: 69454								
Prep Date: 6/6/2020	Analysis Date: 6/7/2020	SeqNo: 2409917	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	14		10.00		136	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: lcs-52861	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 52861	RunNo: 69391								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406512	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.7	80	120			
Surr: BFB	930		1000		92.7	66.6	105			

Sample ID: mb-52861	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 52861	RunNo: 69391								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406513	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	810		1000		81.2	66.6	105			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006127

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: LCS-52861	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 52861	RunNo: 69391								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406525	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: mb-52861	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 52861	RunNo: 69391								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406526	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.1	80	120			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: R69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406321	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	70	130			
Toluene	1.1	0.050	1.000	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		88.5	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.8	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

Sample ID: 2006127-001a ms	SampType: MS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S-1 16'	Batch ID: R69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/4/2020	SeqNo: 2406327	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.74	0.020	0.7968	0	93.1	70	130			
Toluene	0.87	0.040	0.7968	0	109	70	130			
Surr: 1,2-Dichloroethane-d4	0.36		0.3984		91.5	70	130			
Surr: 4-Bromofluorobenzene	0.38		0.3984		96.4	70	130			
Surr: Dibromofluoromethane	0.38		0.3984		96.0	70	130			
Surr: Toluene-d8	0.42		0.3984		105	70	130			

Sample ID: 2006127-001a msd	SampType: MSD	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S-1 16'	Batch ID: R69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/4/2020	SeqNo: 2406330	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.71	0.020	0.7968	0	88.7	70	130	4.91	20	
Toluene	0.83	0.040	0.7968	0	104	70	130	4.77	20	
Surr: 1,2-Dichloroethane-d4	0.37		0.3984		92.5	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.38		0.3984		94.7	70	130	0	0	
Surr: Dibromofluoromethane	0.37		0.3984		92.7	70	130	0	0	
Surr: Toluene-d8	0.40		0.3984		101	70	130	0	0	

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: R69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406352	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: R69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406352	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.8	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.9	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.3	70	130			
Surr: Toluene-d8	0.53		0.5000		106	70	130			

Sample ID: 100ng lcs2	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: R69389	RunNo: 69389								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406449	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	70	130			
Toluene	0.96	0.050	1.000	0	96.1	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.9	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.1	70	130			
Surr: Toluene-d8	0.48		0.5000		95.5	70	130			

Sample ID: mb2	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: R69389	RunNo: 69389								
Prep Date:	Analysis Date: 6/4/2020	SeqNo: 2406467	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.1	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.2	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		107	70	130			
Surr: Toluene-d8	0.48		0.5000		96.0	70	130			

Sample ID: mb-52868	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 52868	RunNo: 69389								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406468	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: mb-52868	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 52868	RunNo: 69389								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406468	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.3	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.6	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.47		0.5000		94.6	70	130			

Sample ID: LCS-52869	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 52869	RunNo: 69395								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406734	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.5	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.7	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.2	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.5	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID: mb-52869	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 52869	RunNo: 69395								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406735	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.4	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.2	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		98.6	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Sample ID: lcs-52868	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 52868	RunNo: 69413								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2408025	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.1	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: Ics-52868	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: BatchQC	Batch ID: 52868	RunNo: 69413									
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2408025			Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Ethylbenzene	1.0	0.050	1.000	0	101	80	120				
Xylenes, Total	3.0	0.10	3.000	0	100	80	120				
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.3	70	130				
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.0	70	130				
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130				
Surr: Toluene-d8	0.48		0.5000		96.6	70	130				

Sample ID: 2006127-026ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: S-26 8'	Batch ID: 52868	RunNo: 69413									
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2408026			Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.2	0.025	0.9823	0	121	71.1	115			S	
Toluene	1.2	0.049	0.9823	0	118	79.6	132				
Ethylbenzene	1.2	0.049	0.9823	0	123	83.8	134				
Xylenes, Total	3.5	0.098	2.947	0	120	82.4	132				
Surr: 1,2-Dichloroethane-d4	0.45		0.4912		91.9	70	130				
Surr: 4-Bromofluorobenzene	0.47		0.4912		96.1	70	130				
Surr: Dibromofluoromethane	0.51		0.4912		103	70	130				
Surr: Toluene-d8	0.47		0.4912		96.2	70	130				

Sample ID: 2006127-026amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: S-26 8'	Batch ID: 52868	RunNo: 69413									
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2408027			Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.2	0.023	0.9381	0	127	71.1	115	0.353	20	S	
Toluene	1.1	0.047	0.9381	0	119	79.6	132	3.27	20		
Ethylbenzene	1.1	0.047	0.9381	0	120	83.8	134	7.13	20		
Xylenes, Total	3.5	0.094	2.814	0	125	82.4	132	0.627	20		
Surr: 1,2-Dichloroethane-d4	0.45		0.4690		96.9	70	130	0	0		
Surr: 4-Bromofluorobenzene	0.43		0.4690		91.9	70	130	0	0		
Surr: Dibromofluoromethane	0.49		0.4690		105	70	130	0	0		
Surr: Toluene-d8	0.46		0.4690		97.9	70	130	0	0		

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: G69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406355							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.2	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: 2006127-002a ms	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-2 16'	Batch ID: G69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406358							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.9	19.28	1.203	92.5	70	130			
Surr: BFB	390		385.5		101	70	130			

Sample ID: 2006127-002a msd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-2 16'	Batch ID: G69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406359							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.9	19.28	1.203	86.3	70	130	6.52	20	
Surr: BFB	400		385.5		103	70	130	0	0	

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: G69384	RunNo: 69384								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406378							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	520		500.0		104	70	130			

Sample ID: 2.5ug gro lcs2	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: G69389	RunNo: 69389								
Prep Date:	Analysis Date: 6/3/2020	SeqNo: 2406470							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.2	70	130			
Surr: BFB	500		500.0		99.2	70	130			

Sample ID: lcs-52868	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 52868	RunNo: 69389								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406487							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006127

Hall Environmental Analysis Laboratory, Inc.

08-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Spill

Sample ID: Ics-52868	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 52868	RunNo: 69389								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406487							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.8	70	130			
Surr: BFB	490		500.0		97.4	70	130			

Sample ID: mb2	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: G69389	RunNo: 69389								
Prep Date:	Analysis Date: 6/4/2020	SeqNo: 2406488							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		99.6	70	130			

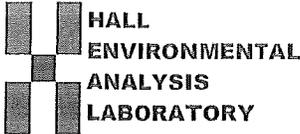
Sample ID: mb-52868	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 52868	RunNo: 69389								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406489							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		100	70	130			

Sample ID: Ics-52869	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 52869	RunNo: 69395								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406748							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.3	70	130			
Surr: BFB	490		500.0		98.3	70	130			

Sample ID: mb-52869	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 52869	RunNo: 69395								
Prep Date: 6/3/2020	Analysis Date: 6/4/2020	SeqNo: 2406749							Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		101	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: TALON ARTESIA Work Order Number: 2006127 RcptNo: 1

Received By: Isaiah Ortiz 6/3/2020 9:15:00 AM

Completed By: Desiree Dominguez 6/3/2020 9:23:33 AM

Reviewed By: JR 6/3/20

IOX
DR

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
(<2 or >12, unless noted)
Adjusted?
Checked by: DAD 6/3/20

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: Date:
By Whom: Via: [] eMail [] Phone [] Fax [] In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.

Chain-of-Custody Record

Client: Talon LPE
 408 W Texas St
 Mailing Address: Artesia, NM 88210

Turn-Around Time:
 Standard Rush 24 hr
 Project Name:
 Enterprise 1009 spill
 Project #:
 700348.425.01

Project Manager:
 David Adkins
 Sampler: Braden Sinclair
 On Ice Yes No
 # of Coolers: 2 33 6 33
 Cooler Temp (including cap): 62 62 61 62

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6-1-20	10:38	soil	S-1 16'	4 oz jar	ice	-001
	10:40		S-2 16'			-002
	10:42		S-3 16'			-003
	10:44		S-4 16'			-004
	10:46		S-5 16'			-005
	11:34		S-6 4'			-006
	11:37		S-7 4'			-007
	11:38		S-8 4'			-008
	11:41		S-9 8'			-009
	11:43		S-10 8'			-010
	11:44		S-11 8'			-011
	11:45		S-12 8'			-012

Reinquisitioned by: *[Signature]* Date: 6/2/20 Time: 1100
 Relinquished by: *[Signature]* Date: 6/2/20 Time: 1900
 Received by: *[Signature]* Date: 6/2/20 Time: 1100
 Received by: *[Signature]* Date: 6/3/20 Time: 0915



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4801 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

ANALYSIS REQUEST		8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/> TPH (8015D) (GRO / DRO / MRO)								

Remarks: Please cc the following via email:
 Dadkins@talonpe.com
 Rpons@talonpe.com
 bsinclair@talonpe.com pg 1 of 3

If necessary, samples submitted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Talon LPE
 408 W Texas St
 Mailing Address: Artesia, NM 88210

Phone #: _____
 email or Fax#: (575) 746-8905
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) _____

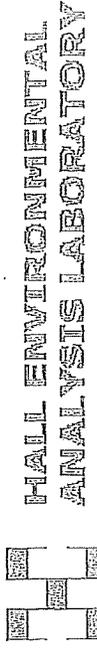
Turn-Around Time:
 Standard Rush 24 hr
 Project Name: Enterprise 1009 spill
 Project #: 700348.425.01
 Project Manager: David Atkins

Sampler: Braden Sinclair
 Office Yes No
 # of Cores: 2 35 0 1 3 5
 Cooler Temp (including): 0 2 0 1 0 5

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEALING No.
5-1-20	11:48	soil	5-13 8'	4 oz jar	ice	-013
	11:49		5-14 4'			-014
	11:51		5-15 4'			-015
	11:52		5-16 4'			-016
	11:55		5-17 8'			-017
	11:57		5-18 8'			-018
	11:58		5-19 8'			-019
	12:00		5-20 8'			-020
	12:02		5-21 8'			-021
	12:03		5-22 4'			-022
	12:04		5-23 4'			-023
	12:05		5-24 4'			-024

Date: 6/2/20 11:00 Relinquished by: [Signature]
 Date: 6/2/20 10:00 Relinquished by: [Signature]

Received by: [Signature] Date: 6/2/20 11:00
 Received by: [Signature] Date: []



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
<input checked="" type="checkbox"/> (BTEX) MTBE / TMB's (8021)	TPH: 8015D (GRO / DRO / MRO)
8081 Pesticides/8082 PCB's	EDB (Method 504.1)
PAHs by 8310 or 8270SIMS	RCRA 8 Metals
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)
8270 (Semi-VOA)	Total Coliform (Present/Absent)

Remarks: Please cc the following via email:
 Dadkins@talonlpe.com
 Rpons@talonlpe.com
 bsinclair@talonlpe.com p. 2 of 3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Talon LPE
 408 W Texas St
 Mailing Address: Artesia, NM 88210
 Phone #: _____
 email or Fax#: (575) 746-8905
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type) _____

Turn-Around Time: Standard Rush 24 hr
 Project Name: Enteroprise 1009 spill
 Project #: 700348.425.01
 Project Manager: David Atkins

Sampler: Precision Sinclair
 Onsite: Yes No
 # of Coolers: 2
 Cooler Temp (Validation): 53.6 / 53.5
 0.7 / 0.2

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEALING No.
5-1-20	12:09	soil	S-25 8'	4 oz jar	ice	2006127
	12:11		S-26 8'			-025
	12:12		S-27 8'			-026
	12:14		S-28 8'			-027
	12:17		S-29 8'			-028
	12:19		S-30 8'			-029
	12:21		S-31 8'			-030
	12:28		S-32 8'			-031
						-032

Analysis Request	
<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input type="checkbox"/> TPH:8015D(GRO / DRO / MRO)
<input type="checkbox"/> 8081 Pesticides/8082 PCB's	<input type="checkbox"/> EDB (Method 504.1)
<input type="checkbox"/> RCRA 8 Metals	<input type="checkbox"/> PAHs by 8310 or 8270SIMS
<input type="checkbox"/> Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	<input type="checkbox"/> 8260 (VOA)
<input type="checkbox"/> 8270 (Semi-VOA)	<input type="checkbox"/> Total Coliform (Present/Absent)

Date: 6/2/20 11:00
 Relinquished by: *[Signature]*
 Date: 6/2/20 1:00
 Relinquished by: *[Signature]*

Received by: *[Signature]* Date: 6/2/20 11:00
 Via: *[Signature]*
 Received by: *[Signature]* Date: 6/3/20 09:15
 Via: *[Signature]*

Remarks: Please cc the following via email:
 Dadkins@talonlpe.com
 Rpons@talonlpe.com
 bsincclair@talonlpe.com pg 3 of 3

If necessary, samples submitted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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Hall Environmental Analysis Laboratory
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Albuquerque, NM 87109
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Website: www.hallenvironmental.com

June 15, 2020

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

RE: Enterprise 1009 Line Strike

OrderNo.: 2006422

Dear David Adkins:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/9/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2006422

Date Reported: 6/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3A 16'

Project: Enterprise 1009 Line Strike

Collection Date: 6/3/2020 2:10:00 PM

Lab ID: 2006422-001

Matrix: SOIL

Received Date: 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	6/15/2020 3:19:45 AM	53073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/10/2020 12:18:34 PM	52972
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/10/2020 12:18:34 PM	52972
Surr: DNOP	118	55.1-146		%Rec	1	6/10/2020 12:18:34 PM	52972
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/10/2020 1:20:44 PM	52971
Surr: BFB	79.5	66.6-105		%Rec	1	6/10/2020 1:20:44 PM	52971
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/10/2020 1:20:44 PM	52971
Toluene	ND	0.048		mg/Kg	1	6/10/2020 1:20:44 PM	52971
Ethylbenzene	ND	0.048		mg/Kg	1	6/10/2020 1:20:44 PM	52971
Xylenes, Total	ND	0.096		mg/Kg	1	6/10/2020 1:20:44 PM	52971
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/10/2020 1:20:44 PM	52971

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

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

Analytical Report

Lab Order 2006422

Date Reported: 6/15/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-33 16'

Project: Enterprise 1009 Line Strike

Collection Date: 6/3/2020 2:23:00 PM

Lab ID: 2006422-002

Matrix: SOIL

Received Date: 6/9/2020 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	79	60		mg/Kg	20	6/15/2020 3:32:10 AM	53073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/10/2020 12:28:31 PM	52972
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/10/2020 12:28:31 PM	52972
Surr: DNOP	117	55.1-146		%Rec	1	6/10/2020 12:28:31 PM	52972
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/10/2020 2:31:33 PM	52971
Surr: BFB	81.4	66.6-105		%Rec	1	6/10/2020 2:31:33 PM	52971
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/10/2020 2:31:33 PM	52971
Toluene	ND	0.046		mg/Kg	1	6/10/2020 2:31:33 PM	52971
Ethylbenzene	ND	0.046		mg/Kg	1	6/10/2020 2:31:33 PM	52971
Xylenes, Total	ND	0.093		mg/Kg	1	6/10/2020 2:31:33 PM	52971
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/10/2020 2:31:33 PM	52971

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

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

QC SUMMARY REPORT

WO#: 2006422

Hall Environmental Analysis Laboratory, Inc.

15-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Line Strike

Sample ID: MB-53073	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53073	RunNo: 69641								
Prep Date: 6/14/2020	Analysis Date: 6/14/2020	SeqNo: 2417494	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53073	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53073	RunNo: 69641								
Prep Date: 6/14/2020	Analysis Date: 6/14/2020	SeqNo: 2417495	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006422

Hall Environmental Analysis Laboratory, Inc.

15-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Line Strike

Sample ID: MB-52972	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52972	RunNo: 69523								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413124	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	55.1	146			

Sample ID: LCS-52972	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52972	RunNo: 69523								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413125	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	5.2		5.000		103	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006422

Hall Environmental Analysis Laboratory, Inc.

15-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Line Strike

Sample ID: mb-52971	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 52971	RunNo: 69544								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413782	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	800		1000		79.8	66.6	105			

Sample ID: lcs-52971	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 52971	RunNo: 69544								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413783	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.2	80	120			
Surr: BFB	930		1000		93.5	66.6	105			

Qualifiers:

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

QC SUMMARY REPORT

WO#: 2006422

Hall Environmental Analysis Laboratory, Inc.

15-Jun-20

Client: Talon Artesia
Project: Enterprise 1009 Line Strike

Sample ID: mb-52971	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 52971	RunNo: 69544								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413808 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.6	80	120			

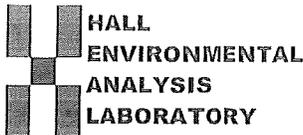
Sample ID: LCS-52971	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 52971	RunNo: 69544								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413809 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.9	80	120			
Toluene	0.97	0.050	1.000	0	97.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: 2006422-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-3A 16'	Batch ID: 52971	RunNo: 69544								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413811 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.023	0.9208	0	98.1	78.5	119			
Toluene	0.94	0.046	0.9208	0	102	75.7	123			
Ethylbenzene	0.95	0.046	0.9208	0	103	74.3	126			
Xylenes, Total	2.9	0.092	2.762	0	104	72.9	130			
Surr: 4-Bromofluorobenzene	0.99		0.9208		107	80	120			

Sample ID: 2006422-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-3A 16'	Batch ID: 52971	RunNo: 69544								
Prep Date: 6/9/2020	Analysis Date: 6/10/2020	SeqNo: 2413812 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9569	0	95.1	78.5	119	0.691	20	
Toluene	0.95	0.048	0.9569	0	99.0	75.7	123	1.21	20	
Ethylbenzene	0.96	0.048	0.9569	0	100	74.3	126	1.04	20	
Xylenes, Total	2.9	0.096	2.871	0	101	72.9	130	0.529	20	
Surr: 4-Bromofluorobenzene	0.99		0.9569		104	80	120	0	0	

Qualifiers:

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

Sample Log-In Check List

Client Name: TALON ARTESIA Work Order Number: 2006422 RcptNo: 1

Received By: Isaiah Ortiz 6/9/2020 9:30:00 AM I.O.
Completed By: Isaiah Ortiz 6/9/2020 9:42:10 AM I.O.
Reviewed By: DAD 6/9/20

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: 50 6/9/20 (<2 or >12 unless noted) Adjusted? Checked by:

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: Date:
By Whom: Via: [] eMail [] Phone [] Fax [] In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.7, Good, Not Present, , ,

