G5WLO-191125-C-1410



Soil Assessment and Remediation Work Plan

Smalls Federal #001H API # 30-025-43001 Talon Project # 700778.123.01

Prepared For:

COG Operating LLC 600 W Illinois Ave Midland, TX 79701-4882

Prepared By:

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

November 19, 2019

NMOCD District 1 1625 N. French Drive Hobbs, NM 88240

Mr. Jim Amos Bureau of Land Management 602 E. Green Street Carlsbad, NM 88220

Mr. Ryan Mann **New Mexico State Land Office** 2827 N. Dal Paso, Suite 117 Hobbs, NM 88240

Subject:

Soil Assessment and Remediation Work Plan

Smalls Federal #001H Lea County, New Mexico API # 30-025-43001

COG Operating LLC (COG) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities are contained herein.

Site Information

Smalls Federal #001H is located approximately thirty-three (33) miles southwest of Hobbs, New Mexico. The legal location for this release is Unit Letter J, Section 09, Township 23 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.317139 North and -103.472853 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Ratliff-Wink fine sandy loams. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian and piedmont deposits. Drainage courses in this area are typically dry.

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 200-feet below ground surface (BGS). See Appendix II for the referenced groundwater depth.

Site Characterization

Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), 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.

Approximate Depth to	Groundwater	200 Feet/BGS
☐Yes ⊠No	Within 300 feet of any continuously flowing war any other significant watercourse	tercourse or
□Yes ⊠No	Within 200 feet of any lakebed, sinkhole or play	ya lake
□Yes ⊠No	Within 300 feet from an occupied permanent reschool, hospital, institution or church	esidence,
□Yes ⊠No	Within 500 feet of a spring or a private, domes well used by less than five households for dom watering purposes	
□Yes ⊠No □Yes ⊠No	Within 1000 feet of any fresh water well or spri Within incorporated municipal boundaries or w Municipal fresh water well field covered under ordinance adopted pursuant to Section 3-2703	ithin a defined a municipal
	Within 300 feet of a wetland Within the area overlying a subsurface mine Within an unstable area Within a 100-year floodplain	

This release did not occur within any of these areas and the depth to groundwater exceeds 100-feet BGS. Based upon the analytical data collected for this subsurface investigation, the impacts from this release are below NMOCD remediation closure criteria. However, analytical data indicates chloride concentrations in excess of 600 mg/kg. As such, the upper 4-feet of this area will be restored to levels set forth in Table 1, 19.15.29 NMAC closure criteria. Therefore the reclamation closure criteria for this site will be as follows:

	Table I									
	Closure Criteria for Soils Impacted by a Release									
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit							
≤ 50 feet	Chloride	EPA 300.0 or SM4500 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 Description

On June 9, 2019, twenty (20) barrels (bbls) of produced water were released from a hole in the flow line. Fifteen (15) bbls were recovered using a vacuum truck. The initial C-141 is attached in Appendix III. The flow path extends approximately 750 feet in length by 4-8 feet wide and flows through a bar ditch adjacent to a county maintained roadway. The impacted area is illustrated on the attached site plans (Appendix I).

Site Assessment

On June 14, 2019, Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected within and around the impacted area utilizing a hand auger. Results from our initial sampling event are presented in the following data table. A complete laboratory report can be found in Appendix IV.

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June 14, 2019 Sampling Event

Sample ID	Depth (ft.)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
19.15	Criteria .29.12 IAC	50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
BG-1	0-1	ND	ND	ND	ND	ND	0	ND
BG-2	0-1	ND	ND	ND	ND	ND	0	80
BG-3	0-1	ND	ND	ND	ND	ND	0	ND
S-1	0	ND	ND	ND	ND	ND	0	ND
	0	ND	ND	ND	ND	ND	0	ND
	1	ND	ND	ND	ND	ND	0	1880
S-2	2	ND	ND	ND	ND	ND	0	32
	3	ND	ND	ND	ND	ND	0	32
	4	ND	ND	ND	ND	ND	0	32
	0	ND	ND	ND	ND	ND	0	ND
S-3	1	ND	ND	ND	ND	ND	0	ND
	0	ND	ND	ND	ND	ND	0	7600
	1	ND	ND	ND	ND	ND	0	4000
S-4	2	ND	ND	ND	ND	ND	0	4000
	3	ND	ND	ND	ND	ND	0	3360
	4	ND	ND	ND	ND	ND	0	384
S-5	0	ND	ND	ND	ND	ND	0	4400
S-6	0	ND	ND	ND	ND	ND	0	64
	0	ND	ND	ND	ND	ND	0	3040
S-7	1	ND	ND	ND	ND	ND	0	2280
	2	ND	ND	ND	ND	ND	0	3760
S-8	0	ND	ND	ND	ND	ND	0	2600
S-9	0	ND	ND	ND	ND	ND	0	192
S-10	0	ND	ND	ND	ND	ND	0	4400
S-11	0	ND	ND	ND	ND	ND	0	4240
S-12	0	ND	ND	ND	ND	ND	0	48
	0	ND	ND	ND	ND	ND	0	3360
	1	ND	ND	ND	ND	ND	0	3600
S-13	2	ND	ND	ND	ND	ND	0	3600
	3	ND	ND	ND	ND	ND	0	4000
	4	ND	ND	ND	ND	ND	0	496
S-14	0	ND	ND	ND	ND	ND	0	16
S-15	0	ND	ND	ND	ND	ND	0	ND

Page | 5

Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
ID	(ft.)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
19.15	Criteria .29.12 NAC	50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
	0	ND	ND	ND	ND	ND	0	4960
	1	ND	ND	ND	ND	ND	0	3520
S-16	2	ND	ND	ND	ND	ND	0	5840
	3	ND	ND	ND	ND	ND	0	64
	4	ND	ND	ND	ND	ND	0	48
S-17	0	ND	ND	ND	ND	ND	0	2040
S-18	0	ND	ND	ND	ND	ND	0	32
	0	ND	ND	ND	285	97.9	382.9	3600
	1	ND	ND	ND	ND	ND	0	3000
S-19	2	ND	ND	ND	ND	ND	0	768
	3	ND	ND	ND	ND	ND	0	160
	4	ND	ND	ND	ND	ND	0	208
S-20	0	ND	ND	ND	ND	ND	0	400
S-21	0	ND	ND	ND	ND	ND	0	2520
	0	ND	ND	ND	ND	ND	0	4880
	1	ND	ND	ND	ND	ND	0	2480
S-22	2	ND	ND	ND	ND	ND	0	2400
	3	ND	ND	ND	ND	ND	0	3400
	4	ND	ND	ND	ND	ND	0	176
S-23	0	ND	ND	ND	ND	ND	0	48
S-24	0	ND	ND	ND	ND	ND	0	16
S-25	0	ND	ND	ND	ND	ND	0	416

ND= Not Detected NT= Not Tested

On September 3, 2019, Talon personnel utilized a Geoprobe rig to further vertically delineate those points at which chloride concentrations were still found to be greater than 600 mg/kg. The analytical results from this sampling event can be found in the following data table:

Page | **6**

September 3, 2019 Sampling Event

Sample ID	Depth (ft.)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
19.15	Criteria .29.12 MAC	50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
	1	NT	NT	NT	NT	NT	0	32
6.5	2	NT	NT	NT	NT	NT	0	16
S-5	3	NT	NT	NT	NT	NT	0	64
	4	NT	NT	NT	NT	NT	0	496
	3	NT	NT	NT	NT	NT	0	2040
6.7	4	NT	NT	NT	NT	NT	0	3840
S-7	5	NT	NT	NT	NT	NT	0	304
	6	NT	NT	NT	NT	NT	0	32
	1	NT	NT	NT	NT	NT	0	64
	2	NT	NT	NT	NT	NT	0	32
S-8	3	NT	NT	NT	NT	NT	0	32
	4	NT	NT	NT	NT	NT	0	208
	5	NT	NT	NT	NT	NT	0	64
	2	NT	NT	NT	NT	NT	0	1580
6.40	3	NT	NT	NT	NT	NT	0	1330
S-10	4	NT	NT	NT	NT	NT	0	32
	5	NT	NT	NT	NT	NT	0	288
	1	NT	NT	NT	NT	NT	0	176
	2	NT	NT	NT	NT	NT	0	592
S-17	3	NT	NT	NT	NT	NT	0	1260
	4	NT	NT	NT	NT	NT	0	752
	5	NT	NT	NT	NT	NT	0	128
	1	NT	NT	NT	NT	NT	0	16
	2	NT	NT	NT	NT	NT	0	ND
	3	NT	NT	NT	NT	NT	0	32
	4	NT	NT	NT	NT	NT	0	32
6.24	5	NT	NT	NT	NT	NT	0	528
S-21	7	NT	NT	NT	NT	NT	0	1710
	9	NT	NT	NT	NT	NT	0	2800
	11	NT	NT	NT	NT	NT	0	3240
	13	NT	NT	NT	NT	NT	0	336
	15	NT	NT	NT	NT	NT	0	16

A final sampling event was carried out on November 3, 2019, to confirm the horizontal boundaries of the proposed excavation. The analytical results are summarized below:

November 12, 2019 Sampling Event

Sample ID	Depth (ft.)	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
19.15	Criteria .29.12 MAC	50 mg/kg	10 mg/kg					600 mg/kg
	0-1	NT	NT	NT	NT	NT	0	16
S-26	2	NT	NT	NT	NT	NT	0	16
	3	NT	NT	NT	NT	NT	0	16
S-27	0-1	NT	NT	NT	NT	NT	0	16
S-28	0-1	NT	NT	NT	NT	NT	0	ND
S-29	0-1	NT	NT	NT	NT	NT	0	16
S-29	2	NT	NT	NT	NT	NT	0	ND

ND= Not Detected NT= Not Tested

Proposed Remedial Actions

- Traffic control measures (signs, barrels, cones and flagmen) will be utilized to ensure the safety of field personnel. Remediation activities will be carried out with diligence and extreme care due to safety concerns while excavating near a roadway.
- The impacted area near sample location S-2 at the south end of the flow path will be excavated to a depth of 2.0-feet BGS. Proposed excavation area maps are attached in Appendix I.
- The areas in the vicinity of sample points S-16 and S-19 will be excavated to 3.0-feet BGS.
- The areas near sample points S-4, S-7, S-10, S-11, S-13, S-17 and S-22 will be excavated to 4.0-feet BGS.
- Soil samples were collected approximately every 200 square feet and the impacted area is vertically delineated to below 600 mg/kg. Due to safety concerns we recommend that no final laboratory confirmation sampling be required. We propose to backfill each day based upon the results of our field chloride titrations to minimize the amount of time personnel are exposed to nearby traffic and avoid potential overnight traffic hazards of an open excavation.
- The excavated areas will be backfilled either with new caliche or topsoil dependent upon which material was removed. Once the backfilling activities are complete the work area will be machine compacted and contoured to match the surrounding location.
- All of the excavated material (approximately 880 yards) will be hauled to a NMOCD approved solid waste disposal facility.
- The work area will be seeded with State Sandy Loam (SL) seed mixture at the prescribed rate.

Closure

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

Respectfully submitted,

TALON/LPE

Grandon Sinclair

Environmental Scientist

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David J. Adkins District Manager

Attachments:

Appendix I Site Maps

Appendix II Soil Survey, Groundwater Data & FEMA Flood Map

Appendix III Initial C-141 Appendix IV Laboratory Data

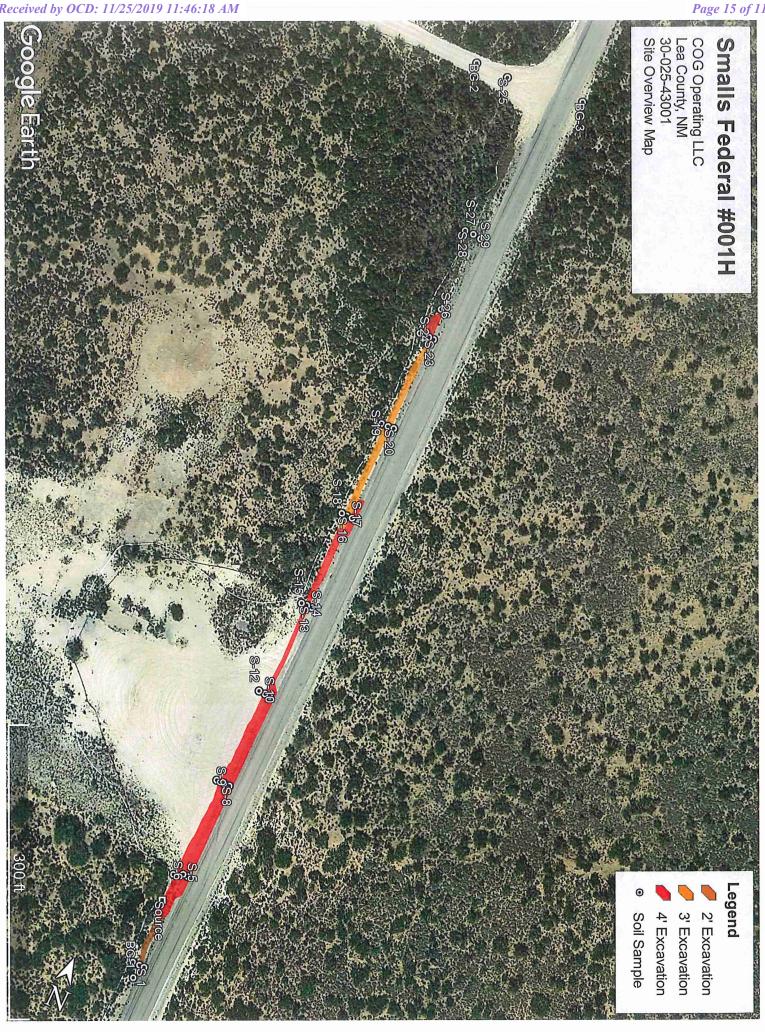


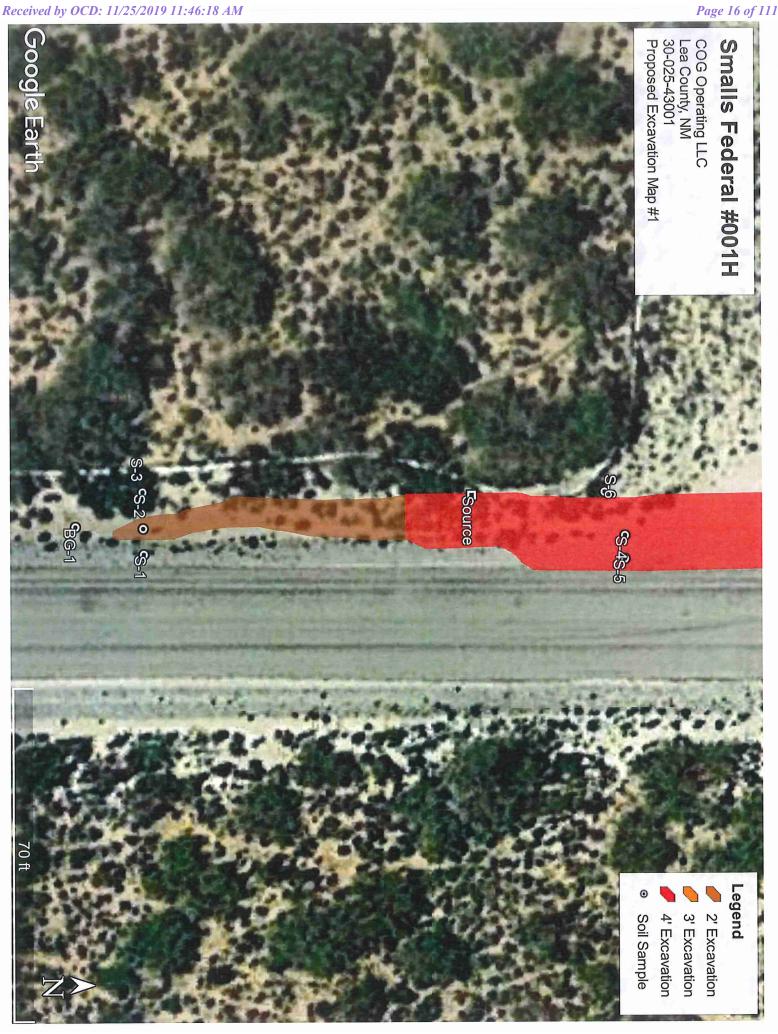
APPENDIX I

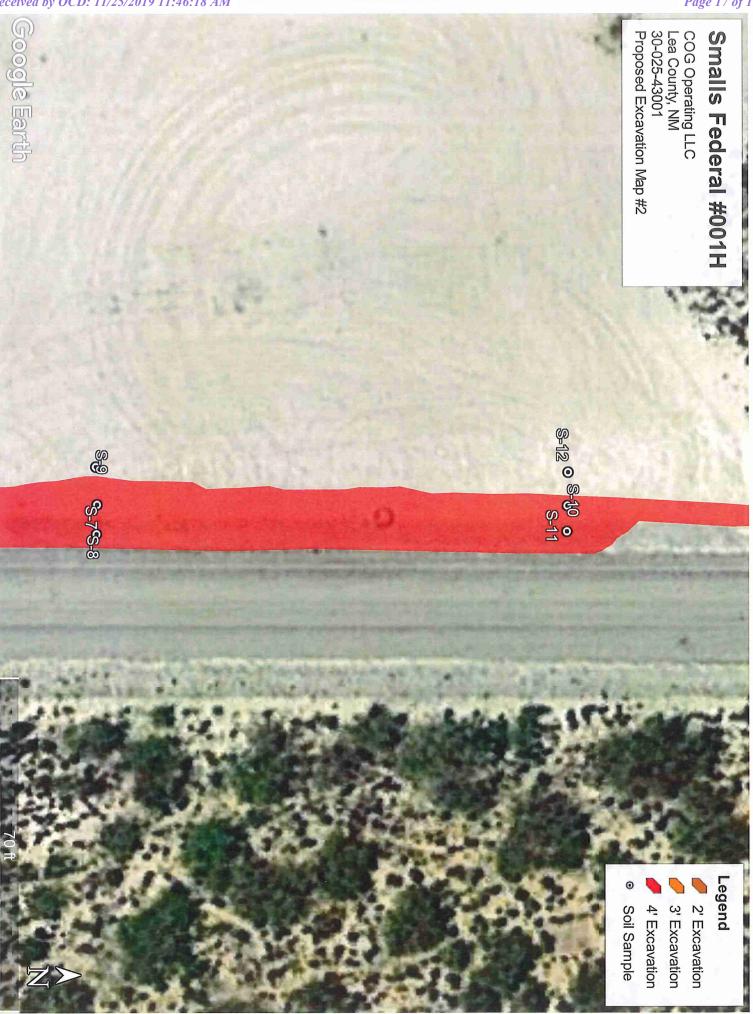
SITE MAPS

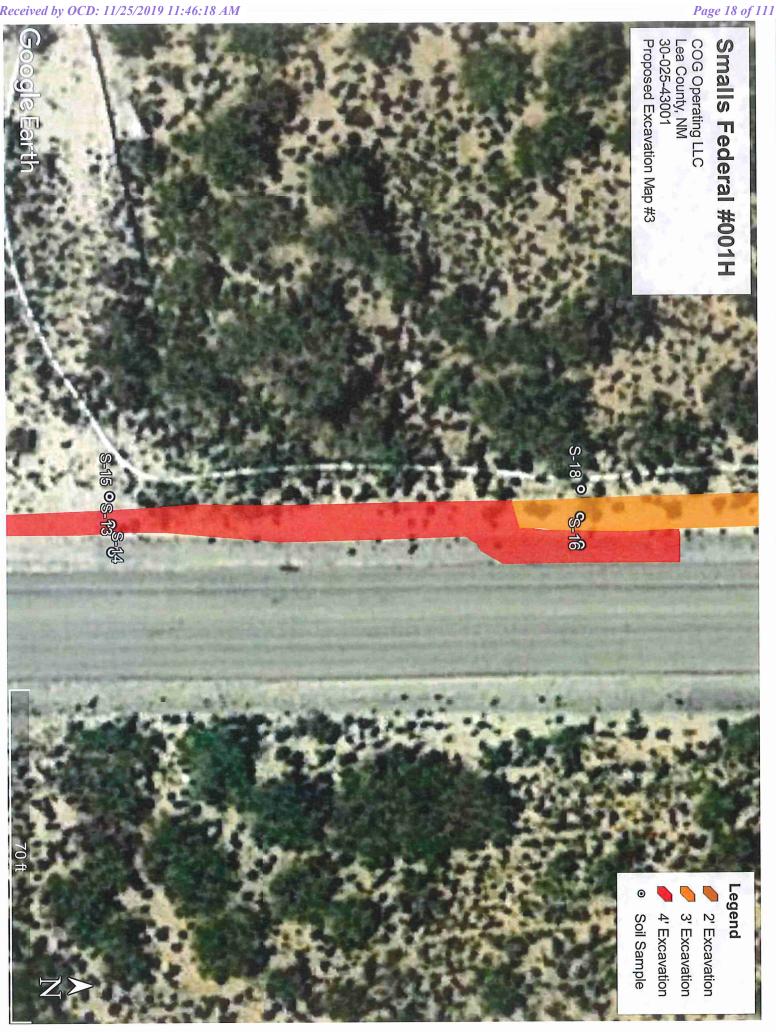


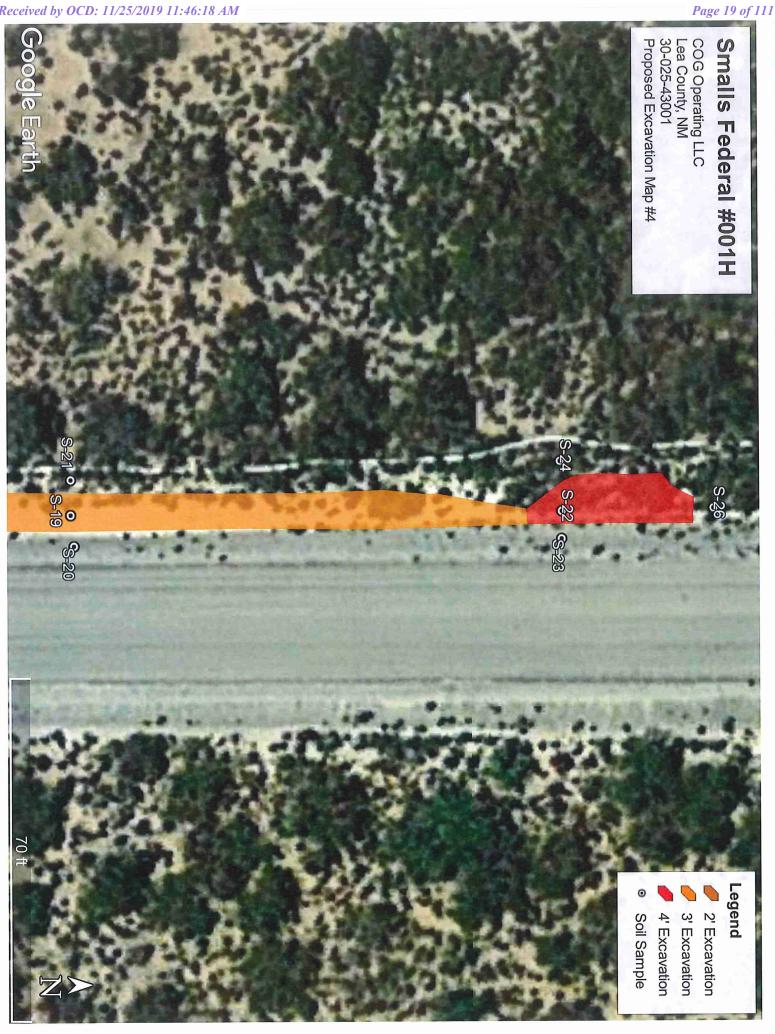














<u>APPENDIX II</u>

SOIL SURVEY

GROUNDWATER DATA

FEMA FLOOD MAP

Lea County, New Mexico

MN—Ratliff-Wink fine sandy loams

Map Unit Setting

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

Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Ratliff and similar soils: 45 percent Wink and similar soils: 40 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Ratliff

Setting

Landform: Plains

Landform position (three-dimensional): Dip

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Calcareous alluvium and/or calcareous eolian

deposits derived from sedimentary rock

Typical profile

A - 0 to 4 inches: fine sandy loam Bw - 4 to 22 inches: clay loam Bk - 22 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

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

Moderately high to high (0.60 to 2.00 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum in profile: 50 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: Moderate (about 8.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: B

Ecological site: Loamy (R042XC007NM)

Hydric soil rating: No

Description of Wink

Setting

Landform: Plains

Landform position (three-dimensional): Dip

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: fine sandy loam Bk - 12 to 23 inches: sandy loam BCk - 23 to 60 inches: 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: Very low

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: 30 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 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: Sandy (R042XC004NM)

Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 6 percent

Ecological site: Sandhills (R042XC022NM)

Hydric soil rating: No

Map Unit Description: Ratliff-Wink fine sandy loams---Lea County, New Mexico

Maljamar

Percent of map unit: 5 percent Ecological site: Loamy Sand (R042XC003NM) Hydric soil rating: No

Palomas

Percent of map unit: 4 percent Ecological site: Loamy Sand (R042XC003NM) Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 16, Sep 15, 2019

Page 1 of 1



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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is

(quarters are smallest to

(NAD83 UTM in meters) largest)

(In feet)

POD Sub-QQQ Water DistanceDepthWellDepthWater Column **POD Number** Code basin County 6416 4 Sec Tws Rng Х CP 2 2 1 16 23S 34E 643549 3575824 815 594 200 394 CP 01730 POD1 4 3 3 05 23S 34E 642074 3577676 1989 680 300 380 CP 01502 POD2 CP 00556 POD1 4 4 3 08 23S 34E 641762 3576206 497 255 242

Average Depth to Water:

251 feet

Minimum Depth:

200 feet

Maximum Depth:

300 feet

Record Count:3

UTMNAD83 Radius Search (in meters):

Easting (X): 643755.85

Northing (Y): 3576613.36

Radius: 2500

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.

9/30/19 12:22 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

250

500

1,000

1,500

2,000

National Flood Hazard Layer FIRMette 32°19'16.90"N





Legend

SPECIAL FLOOD HAZARD AREAS

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

Regulatory Floodway With BFE or Depth Zone AE, AO, AH, VE, AR Without Base Flood Elevation (BFE)
Zone A, V, A99

Area with Reduced Flood Risk due to Chance Flood Hazard Zone X Future Conditions 1% Annual

areas of less than one square mile zone. depth less than one foot or with drainag of 1% annual chance flood with average 0.2% Annual Chance Flood Hazard, Area

Area with Flood Risk due to Levee Zone D Levee. See Notes. Zone X

OTHER AREAS OF

FLOOD HAZARD

NO SCREEN Area of Minimal Flood Hazard Zone X

Area of Undetermined Flood Hazard zone

OTHER AREAS

STRUCTURES | 1111111 Levee, Dike, or Floodwall Channel, Culvert, or Storm Sewer

Cross Sections with 1% Annual Chance

Base Flood Elevation Line (BFE) Coastal Transect Water Surface Elevation

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline Hydrographic Feature Profile Baseline

Digital Data Available

No Digital Data Available

Unmapped

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

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

authoritative NFHL web services provided by FEMA. This map was exported on 9/30/2019 at 2:31:40 PM and does not become superseded by new data over time. time. The NFHL and effective information may change or reflect changes or amendments subsequent to this date and The flood hazard information is derived directly from the

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



Zone D

Designation on National Flood Insurance Program maps used for areas where there are possible, but undetermined, flood hazards. In areas designated as Zone D, no analysis of flood hazards has been conducted. Mandatory flood insurance purchase requirements do not apply, but coverage is available. The flood insurance rates for properties in Zone D are commensurate with the uncertainty of the flood risk.

Zone V

The flood insurance rate zone that corresponds to the 100-year coastal floodplains that have additional hazards associated with storm waves. Because approximate hydraulic analyses are performed for such areas, no Base Flood Elevations are shown within this zone. Mandatory flood insurance purchase requirements apply.

Zone VE

The flood insurance rate zone that corresponds to the 100-year coastal floodplains that have additional hazards associated with storm waves. Base Flood Elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone. Mandatory flood insurance purchase requirements apply.

Zone B, C, and X

Zones B, C, and X are the flood insurance rate zones that correspond to areas outside the 100-year floodplains, areas of 100-year sheet flow flooding where average depths are less than 1 foot, areas of 100-year stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 100-year flood by levees. No Base Flood Elevations or depths are shown within this zone.



APPENDIX III

INITIAL C-141

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

Responsible Party

Contact Name

State of New Mexico Energy Minerals and Natural Resources Department

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

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

229137

Release Notification

Responsible Party

COG Operating, LLC

OGRID

Contact Telephone

Contact Nam	e	Jennifer Kr	nowlton	Contact T	elephone	(575) 748-1570			
Contact emai	1	JKnowlton	@concho.com	Incident #	Incident # (assigned by OCD)				
Contact maili	ing address	600 West II	linois Avenue, M	Midland, Texas	79701				
			Location	of Release S					
_atitude	32.3166	35		Longitude	103.4	7247			
			(NAD 83 in dec	imal degrees to 5 dec	imal places)				
Site Name		Smalls Feder	al #001H	Site Type	Tanl	k Battery			
Date Release	Discovered	June 9, 2019		API# (if ap	oplicable)				
Unit Letter	Section	Township	Range	Сог	inty	7			
J	09	238	34E	Le	ea				
				calculations or specif	ic justification for t	the volumes provided below)			
Crude Oil		Volume Release			Volume Red	covered (bbls)			
Produced	Water	Volume Release	ed (bbls) 20		Volume Red	covered (bbls) 15			
		Is the concentra produced water	tion of dissolved cl	hloride in the	■ Yes □	No			
Condensa	nte	Volume Release			Volume Rea	covered (bbls)			
Natural G	as	Volume Release	ed (Mcf)		Volume Re	covered (Mcf)			
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/We	eight Recovered (provide units)			
Cause of Rel	ease								
The releas	se was in I freestan	the pasture, i	ncho will eval	nand on the puate the the	oad. A vacu to determine	repaired. um truck was dispatched to e if we may commence ase and we will present a			

remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respons	sible party consider this a major release?
☐ Yes ■ No		
If YES, was immediate no	otice given to the OCD? By whom? To who	om? When and by what means (phone, email, etc)?
	Initial Re	sponse
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
■ The impacted area has	s been secured to protect human health and t	he environment.
Released materials ha	ave been contained via the use of berms or di	kes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	managed appropriately.
	d above have <u>not</u> been undertaken, explain w	
II		
Per 19.15.29.8 B. (4) NM	IAC the responsible party may commence re	mediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial e	fforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
I hereby certify that the infor	rmation given above is true and complete to the b	est of my knowledge and understand that pursuant to OCD rules and
regulations all operators are	required to report and/or file certain release notified. The acceptance of a C-141 report by the O	ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
failed to adequately investigate	ate and remediate contamination that pose a threa	at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	of a C-141 report does not relieve the operator of i	esponsibility for compliance with any other federal, state, or local laws
Printed Name: DeAni	n Grant	Title: HSE Administrative Assistant
Signature:		Date: 6/20/2019
email: agrant@co	ncho.com	Telephone: (432) 253-4513
OCD Only		
Received by:		Date:



APPENDIX IV

LABORATORY DATA



June 21, 2019

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SMALLS FED #001H

Enclosed are the results of analyses for samples received by the laboratory on 06/17/19 13:55.

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

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H 700778.123.01

Sampling Condition: Sample Received By: ** (See Notes) Tamara Oldaker

Project Number: Project Location:

COG - LEA CO NM

Sample ID: BG - 1 0-1' (H902080-01)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.97	98.5	2.00	2.13	
Toluene*	<0.050	0.050	06/19/2019	ND	1.96	97.8	2.00	3.33	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.86	93.0	2.00	3.64	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.65	94.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2019	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	91.6	% 41-142)						

Surrogate: 1-Chlorooctadecane

91.2 %

37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: BG - 2 0-1' (H902080-02)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2,00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5,53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/19/2019	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	99.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	102	% 37.6-14	17						

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Celeg & Keene



Analytical Results For:

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

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: BG - 3 0-1' (H902080-03)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2,00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 :	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2019	ND	432	108	400	3.77	
TPH 8015M	<16.0 16.0 mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	106	% 41-142	?						
Surrogate: 1-Chlorooctadecane	108	% 37.6-14	7						

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*=Accredited Analyte

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Celeg & Keene



Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01 COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 1 0' (H902080-04)

BTEX 8021B	mg/kg		Analyzed By: BF				40000		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 %	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2019	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	103 5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	108 9	% 37.6-14	17						

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Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01 COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 2 0' (H902080-05)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2019	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	108 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	109 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 6 of 63



Analytical Results For:

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

Received:

BTEX 8021B

06/17/2019

06/21/2019

Sampling Date:

06/14/2019

Reported:

Sampling Type:

Soil

200

0.0484

Project Name:

SMALLS FED #001H 700778.123.01

Sampling Condition: Sample Received By:

** (See Notes) Tamara Oldaker

Project Number: Project Location:

COG - LEA CO NM

mg/kg

Sample ID: S- 2 1' (H902080-06)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIE	104 5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	06/19/2019	ND	432	108	400	3.77	
Chloride TPH 8015M	1880 mg/			ND d By: MS	432	108	400	3.77	
					432 BS	108 % Recovery	400 True Value QC	3.77 RPD	Qualifier

ND

ND

184

91.9

Analyzed By: BF

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

104%

<10.0

<10.0

41-142

10.0 10.0

06/18/2019

06/18/2019

Surrogate: 1-Chlorooctadecane

106 %

37.6-147

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 2 2' (H902080-07)

BTEX 8021B	mg/	kg	Analyze	d By: BF					w
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/19/2019	ND	400	100	400	3.92	QR-03
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	101 5	% 41-142	?		-				
Surrogate: 1-Chlorooctadecane	103 9	% 37.6-14	17						

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Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H 700778.123.01

Project Number: Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 2 3' (H902080-08)

BTEX 8021B	mg/	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	114	% 41-142	?						
Surrogate: 1-Chlorooctadecane	116	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 745-8905

Received: Reported: 06/17/2019

06/21/2019

06/21/2019 SMALLS FED #001H

Project Name: Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 2 4' (H902080-09)

BTEX 8021B	mg/	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC		and the second s			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	110	% 41-142	?						
Surrogate: 1-Chlorooctadecane	112	% 37.6-14	!7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes) Tamara Oldaker

Sample ID: S- 3 0' (H902080-10)

BTEX 8021B	mg,	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5,53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 :	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AC			,		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	110	% 41-142							
Surrogate: 1-Chlorooctadecane	113 9	% 37.6-14	7						

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Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

SMALLS FED #001H

Project Name: Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 3 1' (H902080-11)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0,300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	192	95.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	184	91.9	200	0.0484	
EXT DRO > C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	112 9	% 41-142							
Surrogate: 1-Chlorooctadecane	1169	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01 COG - LEA CO NM

115 %

37.6-147

Sampling Date:

06/14/2019

Soil

Sampling Type: Sampling Condition:

Sample Received By:

** (See Notes) Tamara Oldaker

Sample ID: S- 4 0' (H902080-12)

	11197	'kg	Analyze	d By: BF		WORK COMMISSION OF THE PERSON			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1,12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
		, ,							
,	7600	16.0	06/19/2019	ND	400	100	400	3.92	
Chloride		16.0		ND d By: MS	400	100	400	3.92	
Chloride	7600	16.0			400 BS	100 % Recovery	400 True Value QC	3.92 RPD	Qualifier
Chloride TPH 8015M Analyte	7600 mg/	16.0 'kg	Analyze	d By: MS					Qualifier
Chloride TPH 8015M Analyte GRO C6-C10*	7600 mg/ Result	16.0 ' kg Reporting Limit	Analyze Analyzed	d By: MS Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride TPH 8015M	7600 mg/ Result <10.0	16.0 Keg Reporting Limit 10.0	Analyzed Analyzed 06/18/2019	Method Blank	BS 192	% Recovery 95.8	True Value QC 200	RPD 1,04	Qualifier

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Surrogate: 1-Chlorooctadecane

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:

06/17/2019

06/21/2019

Reported: Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 4 1' (H902080-13)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND ⁻	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	88.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	90.2	% 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 4 2' (H902080-14)

BTEX 8021B	mg/	kg	Analyze	d By: BF		* *********			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	90.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	89.9	% 37.6-14	17						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 4 3' (H902080-15)

BTEX 8021B	mg/	кд	Allalyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0,050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5,53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC		<u>-</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	90.2	% 41-142	?						
Surrogate: 1-Chlorooctadecane	88.6	% 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number: Project Location:

700778,123.01 COG - LEA CO NM Sample Received By:

Tamara Oldaker

Sample ID: S- 4 4' (H902080-16)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2,00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 %	6 73.3-12	9					16.111111	
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	90.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	90.8	% 37.6-14	17						

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Analytical Results For:

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

Received:

BTEX 8021B

06/17/2019

06/21/2019

Sampling Date:

06/14/2019

Reported:

Sampling Type: Sampling Condition: Soil

Project Name:

SMALLS FED #001H 700778.123.01

Sample Received By:

** (See Notes) Tamara Oldaker

Project Number: Project Location:

COG - LEA CO NM

Sample ID: S- 5 0' (H902080-17)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC				,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*									

ND

ND

239

119

200

8.72

Analyzed By: BF

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

77.2 %

<10.0

<10.0

41-142

06/18/2019

06/18/2019

10.0

10.0

Surrogate: 1-Chlorooctadecane

79.8 %

37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 18 of 63



Analytical Results For:

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

Received: Reported:

06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 6 0' (H902080-18)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	85.4	% 41-142							T.CO.
Surrogate: 1-Chlorooctadecane	87.4	% 37.6-14	7						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 19 of 63



Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location:

700778.123.01 COG - LEA CO NM Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 7 0' (H902080-19)

BTEX 8021B	mg/	kg	Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	3040	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3,87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	86.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	87.7	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 20 of 63



Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

SMALLS FED #001H

Project Name: Project Number: Project Location:

700778.123.01 COG - LEA CO NM Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)
Tamara Oldaker

Sample ID: S- 7 1' (H902080-20)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	85.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	85.2	% 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

06/21/2019

Reported: Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

89.0 %

37.6-147

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 7 2' (H902080-21)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.90	94.8	2.00	1.12	
Toluene*	<0.050	0.050	06/19/2019	ND	1.87	93.4	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.80	89.9	2.00	0.402	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.53	92.1	6.00	0.285	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	6 73.3-12	9					•	
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DD0 - C10 C20*		10.0	06/18/2019	ND	239	119	200	8.72	
DRU >C10-C28*	<10.0	10.0	00/10/2013						
DRO >C10-C28* EXT DRO >C28-C36	<10.0 <10.0	10.0	06/18/2019	ND					

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Surrogate: 1-Chlorooctadecane

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Analytical Results For:

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

Received:

BTEX 8021B

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number: Project Location:

700778.123.01 COG - LEA CO NM

mg/kg

83.2 %

84.7 %

41-142

37.6-147

Sample Received By:

Tamara Oldaker

Sample ID: S-8 0' (H902080-22)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	QR-03
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte GRO C6-C10*	Result <10.0	Reporting Limit 10.0	Analyzed 06/18/2019	Method Blank ND	BS 206	% Recovery 103	True Value QC 200	RPD 3.87	Qualifier
·			•			·	· ·		Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	Qualifier

Analyzed By: BF

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Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Fax To: (575) 745-8905

Received:

06/17/2019

06/21/2019

Sampling Date:

06/14/2019

Reported:

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number: Project Location:

700778.123.01 COG - LEA CO NM

Sample Received By:

Tamara Oldaker

Sample ID: S- 9 0' (H902080-23)

BTEX 8021B	mg/	'kg	Analyze	d By: BF		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2,00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	192	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	87.4	% 41-142							
Surrogate: 1-Chlorooctadecane	88.4	% 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location:

700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 10 0' (H902080-24)

BTEX 8021B	mg/	'kg	Analyze	d By: BF					·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	85.9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	88.3	% 37.6-14	!7						

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 11 0' (H902080-25)

BTEX 8021B	mg/	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8,45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	82.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	83.6	% 37.6-14	7						

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Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 12 0' (H902080-26)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1,93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC				,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/19/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	85.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	86.9	% 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 13 0' (H902080-27)

BTEX 8021B	mg/	/kg	Analyze	d By: BF		***************************************			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 73.3-12	9				-		
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	06/19/2019	ND	400	100	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	67.9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	69.9	% 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number: Project Location: 700778.123.01 COG - LEA CO NM

Sample Received By:

Tamara Oldaker

Sample ID: S- 13 1' (H902080-28)

BTEX 8021B	mg/	/kg	Analyze	d By: BF		EDLOCOMA U			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC				.,		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	86.4	% 41-142	•						
Surrogate: 1-Chlorooctadecane	87.4	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 745-8905

Received:

06/17/2019

06/21/2019

Reported: Project Name:

SMALLS FED #001H

Project Number: Project Location:

700778.123.01

COG - LEA CO NM

Sampling Date: Sampling Type: 06/14/2019

Sampling Condition:

Soil
** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 13 2' (H902080-29)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	89.0	% 41-142	•						
Surrogate: 1-Chlorooctadecane	90.9	% 37.6-14	7						

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Analytical Results For:

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

Received: Reported:

06/17/2019

06/21/2019

SMALLS FED #001H

Project Number:

Project Name:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 13 3' (H902080-30)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 73.3-12	9					***	
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO > C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	87.8	% 41-142							
Surrogate: 1-Chlorooctadecane	89.6	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 31 of 63



Analytical Results For:

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

Received: Reported:

06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 13 4' (H902080-31)

BTEX 8021B	mg,	/kg	Analyze	d By: BF			,		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	88.4	% 41-142	?		,				
Surrogate: 1-Chlorooctadecane	88.7	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 32 of 63



Analytical Results For:

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

Received:

BTEX 8021B

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778,123.01

mg/kg

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 14 0' (H902080-32)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	206	103	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	239	119	200	8.72	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	82.7	% 41-142	,						
Surrogate: 1-Chlorooctadecane	83.8	% 37.6-14	7						

Analyzed By: BF

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Analytical Results For:

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

Received:

06/17/2019

06/21/2019

Reported: Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 15 0' (H902080-33)

BTEX 8021B	mg/	'kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	87.9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	83.4	% 37.6-14	17						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 16 0' (H902080-34)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	94.3	% 41-142)						
Surrogate: 1-Chlorooctadecane	89.7	% 37.6-14	7						

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*=Accredited Analyte

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Analytical Results For:

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

Received:

06/17/2019

Reported: Project Name: 06/21/2019 SMALLS FED #001H

Project Number:

700778.123.01

95.9 %

37.6-147

Project Location: COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 16 1' (H902080-35)

BTEX 8021B	mg/	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	96.2	% 41-142	<u> </u>						

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Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 36 of 63



Analytical Results For:

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

Fax To:

(575) 745-8905

Analyzed By: BF

Received: Reported:

BTEX 8021B

06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

mg/kg

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 16 2' (H902080-36)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6,00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	96.8	% 41-142							
Surrogate: 1-Chlorooctadecane	103 9	% 37.6-14	7						

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*=Accredited Analyte

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Analytical Results For:

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

Fax To:

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 16 3' (H902080-37)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8,14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	93.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	97.4	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: Reported: 06/17/2019

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

97.9 %

37.6-147

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 16 4' (H902080-38)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/19/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/19/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/19/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	98.4	% 41-142	•						

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Fax To:

(575) 745-8905

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 17 0' (H902080-39)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/20/2019	ND	1.89	94,3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.87	93.7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	93.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.1	% 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01 COG - LEA CO NM Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 18 0' (H902080-40)

BTEX 8021B	mg/	kg	Analyze	d By: BF				***************************************	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	06/20/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/20/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.87	93.7	2.00	8,45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2019	ND	230	115	200	1.60	
DRO >C10-C28*	<10.0	10.0	06/18/2019	ND	206	103	200	0.805	
EXT DRO >C28-C36	<10.0	10.0	06/18/2019	ND					
Surrogate: 1-Chlorooctane	97.6	% 41-142	,						
Surrogate: 1-Chlorooctadecane	98.8	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 745-8905

Analyzed By: BF

Received:

BTEX 8021B

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

mg/kg

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 19 0' (H902080-41)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	1.93	96.3	2.00	6.21	
Toluene*	<0.050	0.050	06/20/2019	ND	1.89	94.3	2.00	7.12	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.87	93,7	2.00	8.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.83	97.2	6.00	8.14	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	285	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	97.9	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142							
Surrogate: 1-Chlorooctadecane	127 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Reported: Project Name:

06/17/2019 06/21/2019

SMALLS FED #001H

Project Number: Project Location:

Received:

700778,123,01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: ** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 19 1' (H902080-42)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142							,
Surrogate: 1-Chlorooctadecane	108 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Fax To:

(575) 745-8905

Analyzed By: ms

Received:

BTEX 8021B

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

mg/kg

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S- 19 2' (H902080-43)

			4.4.44					The second secon	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	94.5	% 41-142							
Surrogate: 1-Chlorooctadecane	97.4	% 37.6-14	7						

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Analytical Results For:

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

Fax To: (575) 745-8905

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 19 3' (H902080-44)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO > C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	94.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	98.7	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Fax To: (575) 745-8905

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

mg/kg

Sample ID: S- 19 4' (H902080-45) BTEX 8021B

		9		y					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	102 %	% 41-142							
Surrogate: 1-Chlorooctadecane	108 %	6 37.6-14	7						

Analyzed By: ms

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Analytical Results For:

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

Received:

BTEX 8021B

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778,123,01 COG - LEA CO NM

mg/kg

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 20 0' (H902080-46)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2,00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC				Westerna	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/19/2019	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS				<u> </u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	101	% 41-142	•					1000	
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

Analyzed By: ms

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Fax To:

(575) 745-8905

Analyzed By: ms

Received:

BTEX 8021B

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01 COG - LEA CO NM

mg/kg

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 21 0' (H902080-47)

				-					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	101 9	% 41-142	•						
Surrogate: 1-Chlorooctadecane	106 9	% 37.6-14	7						

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Analytical Results For:

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

Fax To: (575) 745-8905

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

mg/kg

Sample Received By:

Tamara Oldaker

Project Number:
Project Location:

COG - LEA CO NM

Sample ID: S- 22 0' (H902080-48) BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1,98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	97.2	% 41-142							
Surrogate: 1-Chlorooctadecane	101 9	% 37.6-14	7						

Analyzed By: ms

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Fax To:

(575) 745-8905

Analyzed By me

Received:

DTEV ON 21 D

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

ma/ka

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 22 1' (H902080-49)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2,00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	?						
Surrogate: 1-Chlorooctadecane	109	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

(575) 745-8905 Fax To:

Received:

06/17/2019

Sampling Date: Sampling Type: 06/14/2019

Reported:

BTEX 8021B

06/21/2019

Soil

Project Name:

SMALLS FED #001H 700778.123.01

Sampling Condition:

** (See Notes)

Project Number: Project Location:

COG - LEA CO NM

mg/kg

Sample Received By:

Tamara Oldaker

Sample ID: S- 22 2' (H902080-50)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	105 9	% 41-142							1
Surrogate: 1-Chlorooctadecane	109 9	% 37.6-14	7						

Analyzed By: ms

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Celeg to Keena

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

(575) 745-8905 Fax To:

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778,123,01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 22 3' (H902080-51)

BTEX 8021B	mg/	kg	Analyze	d By: ms		- Carlo Colonia Compania Comp			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.36	
Toluene*	<0.050	0.050	06/20/2019	ND	2.12	106	2.00	1.93	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	1.98	99.0	2.00	1.45	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	5.95	99.1	6.00	2.35	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	108 9	% 37.6-14	7						

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Analytical Results For:

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

Fax To:

(575) 745-8905

Received:

06/17/2019

Sampling Date:

06/14/2019

Reported:

06/21/2019

Sampling Type:

Soil

Project Name:

SMALLS FED #001H

Sampling Condition:

** (See Notes)

Project Number:

700778.123.01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 22 4' (H902080-52) BTEX 8021B

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.13	107	2.00	3.01	
Toluene*	<0.050	0.050	06/20/2019	ND	2.11	105	2.00	0.289	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	2.00	100	2,00	1.24	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	6,03	101	6.00	1.36	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	103 %	6 41-142)						
Surrogate: 1-Chlorooctadecane	107 %	6 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 53 of 63



Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 23 0' (H902080-53)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.13	107	2.00	3.01	
Toluene*	<0.050	0.050	06/20/2019	ND	2.11	105	2.00	0.289	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	2.00	100	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	6.03	101	6.00	1.36	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	99.3	% 41-142	<u> </u>						
Surrogate: 1-Chlorooctadecane	104 9	6 37.6-14	7						

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Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location: 700778.123.01

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 24 0' (H902080-54)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	06/20/2019	ND	2.13	107	2.00	3.01	
Toluene*	<0.050	0.050	06/20/2019	ND	2.11	105	2.00	0.289	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	2.00	100	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	6.03	101	6.00	1.36	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	6 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	102 %	6 41-142							
Surrogate: 1-Chlorooctadecane	105 %	6 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 55 of 63



Analytical Results For:

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

Received:

06/17/2019

Reported:

06/21/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

06/14/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Tamara Oldaker

Sample ID: S- 25 0' (H902080-55)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2019	ND	2.13	107	2.00	3.01	
Toluene*	<0.050	0.050	06/20/2019	ND	2.11	105	2.00	0.289	
Ethylbenzene*	<0.050	0.050	06/20/2019	ND	2.00	100	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/20/2019	ND	6.03	101	6.00	1,36	
Total BTEX	<0.300	0.300	06/20/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/20/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2019	ND	196	98.0	200	0.0730	
DRO >C10-C28*	<10.0	10.0	06/19/2019	ND	185	92.5	200	0.880	
EXT DRO >C28-C36	<10.0	10.0	06/19/2019	ND					
Surrogate: 1-Chlorooctane	106	% 41-142	?			1			
Surrogate: 1-Chlorooctadecane	110	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature,
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Configuration () on ()	ANALYSIS REQUEST
Project Manager: Dayid Adkin S	2778.128.61
Texa	\
City: Artesia state: NM Zip: 88210	Attn: Day Adk; ms
Phone	Address:
Project #: 700778. 123.0 Project Owner: 606	city: CO&
Project Name: Smalls Fed # 00114	State: Zip: Shouldon
Project Location: Lea County	無にたたい
Sampler Name: Brandon Sinclair	Fax#:
	PRESERV. SAMPLING X
RS	Eide
RAB OR (CONTAINE ROUNDWA	UDGE THER: SID/BASE: E/COOL THER:
186-10-1, 6 1	V 6/14/19 1030 V V V
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95-24'	1125
105-3 0'	1 1 1135 1 1 1 1
PLEASE NOTE: Liability and Dranegee, Contain's bability and clients exclusive energy (or any calan arbity whether based in centrace; tark, shall be limited to the amount paid by the client for the analysis and contained between the contained by the client of the applicable service. In no event shall force from place and any other course whatherever shall be deemed whether the invaling and received by Cardinal within 30 days after completion of the applicable service. In no event shall fourthing the liable for incidental or enneary entered damages, including without limitation, business interruptions, loss of tree, or loss of typic licentaines by client, its catalogistics, afficience or enterecepts artising out of or relatedation this performance of services becaused by Cardinal, requalities of whether such claim is based upon any of the above stated reasons or otherwise.	direct of talk, that be limited to the cancent paid by the client (or the grant creatives by Carolinal within 30 days after completion of the asphicable parts (received by Carolinal within 30 days after completion of the asphicable parts, loss of Use, or less of profils incurred by oilent, its outsidiabites, and, loss of Use, or less of profils incurred by oilent, its outsidiabites, aim is based usen any of the above challed mazons or oilentwise.
Relinquished By: Received By: Phone Result: Phone Result: Pax R	Phone Result: ☐ Yes ☐ No Add'! Phone #: Fax Result: ☐ Yes ☐ No Add'! Fax #: Pesult
quished Sy:	J. apple
Time:	
Delivered By: (Circle One) Sample Condition Cool Infant	dition CHECKED BY:
Sampler - UPS - Bus - Other: /2 0	ţ

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NNI 88246 (575) 393-2326 FAX (575) 393-2476

Company warre: Talon UPE	ANALYSIS REQUEST
Project Manager: David Adkins	0
Address: 40% W Texas Ave	low L
City: Artesia State: NM Zip: 88210	* Adkin
Phone #: 575-746-8768 Fax #:	•
Project #: 700778, 12 3.01 Project Owner: C06	City: COG,
Project Name: Smalls Fed # 001 14	State: Zip: Shallow
Project Location: Lea County	Phone #: Lttchwold
Sampler Name: Branden Sincleir	T
	PRESERV SAMPLING X X
RS TER	E)
*****	ER ; i/BASE: / COOL
# CC GRC	OTH ACIE
// 5-3 /' - 6	/ / /
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/5 5-4 3	1205
168-44	1210
17.8-3 0'	1220
185-60'	1225
195-70,	1235
PLEASE NOTE: Libility and Damacor. Cardinals libility and efforth provinging company for any plants and the week to	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
these for negligenee and any ather cause whattenever shall be deemed that be fable for incidental or sonsequental damages, including without	out any, who we minde up the entering to the design of the applicable for loss of loss of loss of profile flectured by Carolina Within 30 days after completion of the applicable to loss of loss of profile flectured by elient, its cubridishire,
Date; 7 10 Re	Yes □ No
_'!	
Refinquished By: Date: Received By:	V (ADIK-V
Time:	
	모
Sampler-UPS - Bus - Other: 13.9 # 7 Sept. 13.00	To (munas)

CARDINAL

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Surfamy results. Of Ob CDE	ANALYSIS REQUEST
Project Manager: David Adleins	
Address: 40% W Texas Ave	5/
City: Artesia State: 0/ M Zip: 8 8210	J Adkin
Phone # 575-746-8768 Fax #	Address: 65 6/17
Project #: 70077 f. 12 3.01 Project Owner: C06	City: COC
Project Name: Sunalls Fed \$00114	State: Zip: CLolon
Project Location: Lea County	+ch c2c c
Sampler Name: Brander Sinclair	Fax#
	PRESERV SAMPLING X
RS TER	-,
	ER : /BASE: COOL
# CC GRC	OTH ACID
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235-90,	1255
942-100	1300
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1-5	1320
2-1	0330
3-1	/335
12-13	1340
PLEASE NOTE: Lability and Damagner. Combinal's lability and clients exclusive remedy for any plain arising whether based in contract or for, shall be limited to the amount paid by the client or the	contract, shall be indiced to the amount paid by the client for the
dinal be list out of or n	vances unaces mater at Windig stat (see ay of cardinal within 90 days after composition of the applicable . Idmilation, business interruptions, less of (see, a) (fost of profiles hearing the yellon), its publishance, resolutions of which its state datam is broad uson any of the above shiped reasoners or otherwise.
Date: 7/9 Re	
Ings: 53 March	Ŀ
Relinquished By: Date: Received By:	
· Time:	
Delivered By: (Circle One) Sample Condition	tion CH
	(mundas)
I NO	0

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tallon LDE		(i)]][[E][=][[O]	ANALYSIS REQUEST
Ad		Q. 1	
ekas ,	Augi	\ \	
	State: N/M Zip: 8 8210	Artin: David Adle ins	
Phone \$ 575-746-6768 Fa	Fax *:	Address: BS 6/17	
3.01	Project Owner: COS	city: COS	
Project Name: Smalls Ced 女。	下100年	State: Zip:	1
Count		**	
Sampler Name: Brander Sincle		Fax # Hitch cock	5
FOR LAB USE ONLY	MATRIX	SERV. SAMPLING	
	ERS ATER		E)
Lab I.D. Sample I.D.) GONTAINE GONTAINE GOUNDWA VASTEWAT GOIL BLUDGE	OTHER: CID/BASE: CE/COOL OTHER:	TPH Chlor BTE
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PLEASE NOTE: Liabilly and Damagas. Cardina's inbilly and den'ts excludive tennedy for any data atolity whether based in contract critic, shall be liabiled in the amount poid by the client for the analyses. All clients including the act for regisferes and only whether cancer whatever shall be deemed wholed under made it willing and created by Cardina's which do days after campletion of the applicable service. In no event chall Cardina's be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profile incurred by client, its substitutions,	xclusive remedy for any claim arising whether based in contract or whatsoever shall be deemed walved unless made in willing and r y damages, including without limitation, business interruptions, joe	r fort, shall be limited to the amount paid by the client for ecoived by Cardinal Within 30 days after completion of th 25 of uca, or loss of profils incurred by client, its subsidior	the capplicable .
Relinquished By: Date: / 7_10 Received By: Phone Resi	ate: / 7_ / 0 Received By:	Phone Result:	ılt: ☐ Yes ☐ No
The state of the s		REMARKS:	ES ES
Relinquished By:	Date: Received By:		
:	Time:		
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Sampler - UPS - Bus - Other:	1 / m	10	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company reame: Jalon UPE	ANALYSIS REQUEST
Project Manager: Devid Adlcias	
Address: 40% W Texas Ave	3
	Adkin
Phone #: 575-746-6768 Fax #:	
Project 年: 70077 年、12 3.01 Project Owner: C06	9
Project Name: Smalls Fed \$001日	
Project Location: Lea County	ldon
Sampler Name: Bronder Sinclair	H; tchcock
	SERV.
RS TER	
Sample LD RAB OR (ONTAINE DUNDWA STEWATI	HER: DIBASE: ICOOL HER: LOV TE
(G) # C GR W#	O AC CO DATE TIME
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chalsoever shall be damages, includir	ce visit, shall be intuited to the amounts plate by the client for the control and the control of the control o
Relinquished By: Date: 17,19 Received By:	Yes □ No
17 Times 5 5 10004	□ Yes □
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핅	CH
Sampler - UPS - Bus - Other: 12 0 45 1 Yes 12 Yes	do (muais)

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

Relinquished By

SS:SS:

Time:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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コージューラングは、	T Vac	7 784	(0-1/1)	,
		Phon	:atec	Relinquished By:
	allerwise.	is based upon any of the above stated reasons or a	affiliates of suggestions out of or related to the performance of secoles; he sunder by Cardinal, requidess of whether such states them any of the place sheet ensembles of the sunder by the supplementation of the sunder or otherwise.	affliates of successors ar
	don of the applicable	d received by Cardinal within 3D days after completed	analyses. All the second sections are second sections and sections are sections as the section section section section sections. The section s	analyses. All claims Inclu
	limit for the	bright shall be limited to the smouth and by the	PLEASE NOTE: Liability and Damages, Cardinal's liability and eligible carder for any oldin arising whether based in continuous to a ball be failed in the smouth and by the allian localize.	PLEASE NOTE: LISSIN
			The state of the s	
1	<u>5</u>	1 1700	5-25 0'	52
	650	63	45-24 0'	25
	10	0491	5,5-23 0	2
	30	1630	S-22 Y'	25
	25 / / /	V 6/14/17/1625	L	5/
	TPH	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	(G)RAB OR (CONTAINER SOIL OIL SLUDGE	Lab I.D. <i>H902086</i>
			rs Ter :r	
	\ };	Ċ	MATRIX	FOR LAB USE ONLY
	T S	Fasc#: 14; tch cock	Sampler Name: Bronder Sindair	Sampler Name
		Phone #: Sheldon	ion: Lea Couaty	Project Location: /ea
		State: Zip:	Project Name: Smalls Fed \$ 00114	Project Name:
		City: / O C	Project#: 70077 f. 12 3.01 Project Owner: CO 6	Project #: 70
		58	Phone #: 575-746-6768 Fax #:	Phone #: 57
		Attn: Daved Adkins.	State: NM Zip: & F210	city: Artesia
	7	Company: Totok LPE	DY W Texas Ave	Address: YOY W
		P.O. # 700778 1250	ger: Dovid Adkins	Project Manager: Dav; d
ANALYSIS REQUEST		10):1(=1 =1(8)	(a) on LP =	Confident trainer

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

3.00

Sample Condition
Cool Infact
Yes Yes
No

2

CHECKED BY:

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



September 10, 2019

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SMALLS FED #001H

Enclosed are the results of analyses for samples received by the laboratory on 09/04/19 16:30.

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

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

(575) 745-8905

Received:

09/04/2019

Reported:

09/10/2019

Result

16.0

Reporting Limit

16.0

Project Name:

SMALLS FED #001H 700778.123.01

Project Number: Project Location:

COG - LEA CO NM

Sampling Date:

% Recovery

108

Soil

True Value QC

400

Sampling Type: Sampling Condition:

Cool & Intact

09/03/2019

Sample Received By:

BS

432

Tamara Oldaker

RPD

0.00

Qualifier

Sample ID: S - 5 1' (H903064-01)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 5 2' (H90	3064-02)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					

Method Blank

ND

Analyzed

09/09/2019

Sample ID: S - 5 3' (H903064-03)

Analyte

Chloride

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC			****			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2019	ND	432	108	400	0.00	

Sample ID: S - 5 4' (H903064-04)

Chloride, SM4500Cl-B mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/09/2019	ND	432	108	400	0.00	

Cardinal Laboratories

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alex Kenne



Analytical Results For:

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

Received:

09/04/2019

Reported:

09/10/2019

Project Name:

SMALLS FED #001H

Project Number: Project Location:

700778.123.01 COG - LEA CO NM Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

09/03/2019 Soil

Cool & Intact Tamara Oldaker

Sample ID: S - 7 3' (H903064-05)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed

Analyzed

Analyzed

09/09/2019

Analyte Result 2040

16.0 09/09/2019

Reporting Limit

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Method Blank ND

BS % Recovery 432 108

True Value QC 400

RPD 0.00

Qualifier

Sample ID: S - 7 4' (H903064-06)

Chloride, SM4500Cl-B

Analyte

Analyte

Analyte

Analyte

mg/kg

Analyzed By: AC

BS

% Recovery

True Value QC RPD

Qualifier

Chloride

Chloride

Chloride

Chloride

Chloride

3840

Result

304

Result

32.0

Result

64.0

Result

16.0 09/09/2019 Method Blank ND

432

BS

432

108

400

0.00

Sample ID: S - 7 5' (H903064-07)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Method Blank

ND

% Recovery

True Value QC

RPD

Qualifier

Sample ID: S - 7 6' (H903064-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

108

400

0.00

Analyzed 09/09/2019 Method Blank ND

Method Blank

ND

BS

432

BS

432

% Recovery 108

% Recovery

108

True Value QC

RPD

Qualifier

Sample ID: S - 8 1' (H903064-09)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed

09/09/2019

400

True Value QC

400

0.00

RPD

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

the amount paid by client for analyses, All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories,

Celeg & Keena

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 13



Analytical Results For:

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

Received:

09/04/2019

Reported:

09/10/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

09/03/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S - 8 2' (H903064-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 8 3' (H9030	064-11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 8 4' (H9030	064-12)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 8 5' (H9030	064-13)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 10 1' (H903	3064-14)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	09/09/2019	ND	432	108	400	0.00	

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Analytical Results For:

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

Received: Reported:

Chloride, SM4500CI-B

09/04/2019

09/10/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

mg/kg

Sampling Date:

09/03/2019

Sampling Type: Sampling Condition: Soil Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S - 10 2' (H903064-15)

· · · · · · · · · · · · · · · · · · ·									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 10 3' (H90	3064-16)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 10 4' (H90	3064-17)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 10 5' (H90	3064-18)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/09/2019	ND	432	108	400	0.00	
Sample ID: S - 17 1' (H90	3064-19)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/09/2019	ND	448	112	400	3.64	

Analyzed By: AC

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Clay Etema



Analytical Results For:

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

Received: Reported: 09/04/2019

09/10/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Sampling Date: Sampling Type:

09/03/2019 Soil

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

Project Location:

COG - LEA CO NM

Sample ID: S - 17 2' (H903064-20)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 17 3' (H9030	64-21)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 17 4' (H9030	64-22)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 17 5' (H9030	64-23)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 21 1' (H9030	64-24)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2019	ND	448	112	400	3.64	

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Celeg & Frene



Analytical Results For:

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

Received:

09/04/2019

Reported:

09/10/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

09/03/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S - 21 2' (H903064-25)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 21 3' (H90	3064-26)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 21 4' (H90 Chloride, SM4500CI-B	3064-27) mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2019	ND	448	112	400	3.64	·
Sample ID: S - 21 5' (H90	3064-28)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/09/2019	ND	448	112	400	3.64	
	2064 20)								
Sample ID: S - 21 7' (H90	3004-29)								
Sample ID: S - 21 7' (H90 Chloride, SM4500Cl-B	3064-29) mg	/kg	Analyze	d By: AC					
•	•	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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Celleg to Frena



Analytical Results For:

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

Received: Reported: 09/04/2019

09/10/2019

Project Name: Project Number: SMALLS FED #001H 700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

Sampling Type:

09/03/2019 Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S - 21 9' (H903064-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 21 11' (H	903064-31)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC		·····			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 21 13' (H	903064-32)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC		***************************************			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/09/2019	ND	448	112	400	3.64	
Sample ID: S - 21 15' (H	903064-33)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2019	ND	448	112	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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Celly thema



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

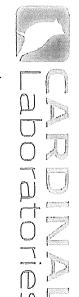
*=Accredited Analyte

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Celegit Keene

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Page 10 of 13



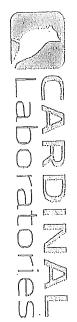
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

-		ANALYSIS REQUEST
David Ao	P.O. #:	
Texa	Company: COS	
(8)	Attn: Sheldon Hitchcock	
18968-966	Address: 2208 W Main St	
Project # 700 77 K. 123.01 Project Owner: CO G	city: Artesia	-
Project Name: Smalls Federal #0014	State: N/M Zip: 88210	,
9	Phone #:	
Sampler Name: Brandon Sinclair	Fax #:	
	IX PRESERV SAMPLING	
C)OMP. RS		-ide
Sample LD. Sample LD. Sample LD. CONTAINE ROUNDWA WASTEWAT	THER: CID/BASE: CE/COOL DTHER: DA	Chlor
18-51, -18-1	1 1/3/191115	
1	4.17	
35-53	11.19	
48-54	11.21	
₹\$-73 ′ · · · · · · · · · · · · · · · · · ·	2711	
6 5-7 4	7,17	
75-75	1-52	
85-76	11.56	
75-81	1215	
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PLEASE NOTE: Liability and Damoges. Cardinat's liability and client's exclusive remedy for any dalim arising whether based in contract or text, shall be limited to the amount paid by the client for the pullcable analyses. All claims including those for molligenes and any other cause whitescere shall be desired water unless pased in willing and received by Cardinate days after completion for the populcable analyses. All claims including those for molligenes and any other cause whitescere shall be desired whether the state of whiting and received by Cardinate Instituted to the control of the populcable and the state of the control	contract or totl, shall be limited to the amount paid by the client for it for it for the complete of the state of the sta	e pplicable
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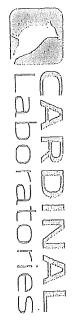
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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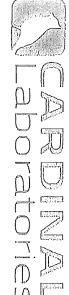
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101 East Marland, Hobbs, NW 88240
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November 14, 2019

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SMALLS FED #001H

Enclosed are the results of analyses for samples received by the laboratory on 11/13/19 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

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

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)

Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey & Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

(575) 745-8905 Fax To:

Received:

11/13/2019

Sampling Date:

BS

432

BS

432

11/12/2019

Reported:

11/14/2019

Soil

Project Name:

SMALLS FED #001H

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

700778.123.01

Sample Received By:

Tamara Oldaker

Project Location:

COG - LEA CO NM

Sample ID: S- 26 0'-1' (H903861-01)

Chloride, SM4500CI-B

16.0

Result

16.0

Analyzed By: AC

Analyte

Chloride

Chloride

Result Reporting Limit

16.0

Reporting Limit

16.0

Analyzed Method Blank

ND

Method Blank

ND

% Recovery

108

% Recovery

108

True Value QC 400

RPD

Qualifier 3.77

Sample ID: S- 26 2' (H903861-02)

Chloride, SM4500Cl-B

Analyte

Analyte

Analyte

Analyzed By: AC

Analyzed

11/14/2019

11/14/2019

Sample ID: S- 26 3' (H903861-03)

Chloride, SM4500CI-B

mg/kg

mg/kg

Analyzed By: AC

Reporting Limit

Reporting Limit

16.0

Analyzed

Analyzed

11/14/2019

Method Blank

% Recovery

True Value QC

True Value QC

400

3.77

RPD

Qualifier

Chloride

Chloride

Result 16.0

Result

16.0

16.0 11/14/2019 ND

Method Blank

ND

432

BS

400 108

RPD Qualifier 3.77

Sample ID: S- 27 0'-1' (H903861-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

BS

432

% Recovery

108

True Value QC 400

RPD 3.77 Qualifier

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



Analytical Results For:

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

Received:

11/13/2019

Reported:

11/14/2019

Project Name:

SMALLS FED #001H

Project Number:

700778.123.01

Project Location:

COG - LEA CO NM

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

11/12/2019

Sample Received By:

Tamara Oldaker

Sample ID: S- 28 0'-1' (H903861-05)

Chloride, S	M4500CI-B
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Analyzed By: AC

Analyte

Analyte

Result Reporting Limit

Reporting Limit

16.0

Analyzed

Analyzed

11/14/2019

Method Blank

BS

% Recovery

True Value QC

Chloride

Chloride

Chlorid

<16.0

Result

16.0

16.0 11/14/2019 ND

Method Blank

ND

432

108 400

RPD 3,77 Qualifier

Sample ID: S- 29 0'-1' (H903861-06)

Chloride,	SM4500CI-B

mg/kg

Analyzed By: AC

BS

432

% Recovery True Value QC

RPD 3.77

Qualifier

Sample ID: S- 29 2' (H903861-07)

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed
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/14/2019

Method Blank ND

BS 432 % Recovery 108

108

True Value QC 400

400

RPD 3.77

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celley & Krene

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

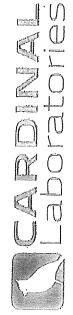
*=Accredited Analyte

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5



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