



EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

February 28, 2022

NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Federal AY #1
30-015-10890
F-25-18S-25E
Eddy County, New Mexico
2RP-4735
NAB1813053140

Mr. Billings,

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The plan is being submitted accompanying the C-141 Closure on the most recent form.

The original Closure Report was submitted through the New Mexico Tech Project, however with no formal response received and the conclusion of that project, EOG Resources, Inc. hereby again submits the Closure Report for above referenced site.

Included with this Closure Report request is the Remediation Plan submitted for the site and the NMOCD Remediation Plan Approval Email.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Settle

Chase Settle
Rep Safety & Environmental Sr.
EOG Resources, Inc.

EOG Resources, Inc.

Federal AY #1

Closure Report

F-25-18S-25E

Eddy County, New Mexico

February 28, 2022

2RP-4735

NAB1813053140

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Appendix A

C-141 (Updated Form)

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAB1813053140
District RP	2RP-4735
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) NAB1813053140
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.71580 Longitude -104.43514
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal AY #1	Site Type Battery
Date Release Discovered 05/04/2018	API# (if applicable) 30-015-10890

Unit Letter	Section	Township	Range	County
F	25	18S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: _____)

Nature and Volume of Release

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

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

Cause of Release Please refer to the original C-141 for details of 2RP-4735.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety & Environmental Sr</u>
Signature: <u>Chase Settle</u>	Date: <u>02/28/2022</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

Incident ID	NAB1813053140
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	200 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141

Page 4

State of New Mexico
Oil Conservation Division

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

Printed Name: Chase SettleTitle: Rep Safety & Environmental SrSignature: Chase SettleDate: 02/28/2022email: Chase_Settle@eogresources.comTelephone: 575-748-1471**OCD Only**

Received by: _____

Date: _____

State of New Mexico
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Remediation Plan

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

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
 Signature: Chase Settle Date: 02/28/2022
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Application ID	

Closure

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
 Signature: Chase Settle Date: 02/28/2022
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 03/24/2022
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

Appendix B

Remediation Plan



talonlpe.com • 866.742.0742



Soil Assessment and Remediation Work Plan

Federal AY #1

API # 30-015-10890

2RP-_____

Talon Project No. 700794.202.01

Prepared For:

EOG Resources

105 4th Street

Artesia, New Mexico 88210

Prepared By:

TALON/LPE

408 W. Texas Avenue

Artesia, New Mexico 88210

May 4, 2018

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Soil Assessment and Remediation Work Plan**
 Federal AY #1
 API # 30-015-10890

Dear Mr. Bratcher,

EOG Energy 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 consist of the following.

Site Information

The Federal AY #1 is located approximately fifteen (15) miles southwest of Artesia, New Mexico. The legal location for this release is Unit Letter F, Section 25, Township 18 South and Range 25 East in Eddy County, New Mexico. More specifically the latitude and longitude for the project work area are 32.715804 North and -104.435142 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 Reagan loam with 0 to 3 percent slopes. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvium and eolian sands which includes silty soils under lain by gypsum and hard. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

The New Mexico State Engineer web site indicates the nearest ground water is 200' below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

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

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

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene and 5,000 mg/kg for TPH. The recommended guideline for Total Chlorides is 600 mg/kg.

Incident Description and Initial Remedial Actions

The Federal AY #1 was plugged and abandoned on July 5, 2016. Talon was asked to perform site assessment and soil sampling activities in the bare areas in order to reclaim the location to its natural state. Upon receiving the analytical results it was determined that there was historical contamination caused from an unknown release. A site plan is presented in [Appendix I](#).

On December 8, 2017, Talon mobilized personnel and equipment to begin the site assessment and soil sampling activities for the construction of a work plan utilizing an excavator. An air rotary drill rig was subsequently mobilized to the location to complete vertical delineation at greater depths. The results of our soil sampling activities are summarized in the table below and the complete laboratory reports are attached in [Appendix III](#).

Talon personnel wearing clean nitrile gloves collected all soil samples. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH Extended Range (Total Petroleum Hydrocarbons) using EPA Method 8015M and volatile organics (BTEX) using EPA Method 8021B. The chloride samples were analyzed using Method SM4500Cl-B.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) EXT DRO
S-1	3.0	<0.300	9200	<10	<10	<10
	5.0	<0.300	15600	<10	<10	<10
	8.0	<0.300	14000	<10	<10	<10
	10.0	<0.300	14000	<10	<10	<10
	12.0	<0.300	11200	<10	<10	<10
	15.0	--	5040	--	--	--
	20.0	--	2240	--	--	--
	25.0	--	1140	--	--	--
	30.0	--	480	--	--	--
	35.0	--	128	--	--	--
	40.0	--	64	--	--	--
S-2	3.0	<0.300	1840	<10	<10	<10
	5.0	<0.300	1400	<10	<10	<10
	8.0	<0.300	1840	<10	<10	<10
	10.0	<0.300	2720	<10	<10	<10
	12.0	<0.300	1400	<10	<10	<10
	15.0	--	1600	--	--	--
	20.0	--	1300	--	--	--
	25.0	--	576	--	--	--
	30.0	--	208	--	--	--
	35.0	--	160	--	--	--

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) EXT DRO
S-3	3.0	<0.300	3680	<10	<10	<10
	5.0	<0.300	1520	<10	<10	<10
	8.0	<0.300	320	<10	<10	<10
	10.0	<0.300	624	<10	<10	<10
	12.0	<0.300	336	<10	<10	<10
				--	--	--
S-4	3.0	<0.300	5680	<10	<10	<10
	5.0	<0.300	4640	<10	<10	<10
	8.0	<0.300	4240	<10	<10	<10
	10.0	<0.300	2800	<10	<10	<10
	12.0	<0.300	3440	<10	<10	<10
	15.0	--	2320	--	--	--
	20.0	--	1800	--	--	--
	25.0	--	400	--	--	--
	30.0	--	288	--	--	--
	35.0	--	112	--	--	--
	40.0	--	80	--	--	--
S-5	3.0	<0.300	3440	<10	<10	<10
	5.0	<0.300	2000	<10	<10	<10
	8.0	<0.300	960	<10	<10	<10
	10.0	<0.300	672	<10	<10	<10
	12.0	<0.300	448	<10	<10	<10
S-6	0.0	<0.300	1520	<10	<10	<10
	0.5	<0.300	640	17.0	216	144
	1.0	<0.300	896	15.7	251	148
	2.0	<0.300	784	<50	1760	526
	3.0	<0.300	896	14.1	2290	703
	5.0	<0.300	880	<10	58.5	57.3
	8.0	<0.300	640	<10	35.8	16.8
	10.0	<0.300	480	<10	<10	<10
	12.0	<0.300	192	<10	<10	<10
S-7	0.0	<0.300	2320	<50	673	267
	0.5	<0.300	1250	<10	26.7	45.7
	1.0	<0.300	1040	<100	4690	2530
	2.0	0.730	848	<100	12100	4230
	3.0	11.3	736	338	6930	1570
	5.0	8.98	768	186	3290	593
	8.0	0.926	960	16.5	294	49.6
	10.0	2.34	1680	64.0	1050	179
	12.0	<0.300	4320	<10	29.5	10.6
	15.0	--	1010	--	--	--
	20.0	--	1120	--	--	--
	25.0	--	944	--	--	--

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) EXT DRO
S-7, cont	30.0	--	3440	--	--	--
	35.0	--	6080	--	--	--
	40.0	--	8640	--	--	--
	45.0	--	7520	--	--	--
	50.0	--	7360	--	--	--
	55.0	--	2880	--	--	--
	60.0	--	4800	--	--	--
	65.0	--	3520	--	--	--
	70.0	--	1340	--	--	--
	75.0	--	1060	--	--	--
	80.0	--	2760	--	--	--
Refusal	85.0	--	1390	--	--	--
S-8	0.0	<0.300	3360	<50	517	240
	0.5	<0.300	3200	<50	461	208
	1.0	<0.300	2800	18.9	790	150
	2.0	<0.300	3360	24.0	1180	322
	3.0	<0.300	4080	<10	150	44.6
	5.0	<0.300	3200	16.9	711	177
	8.0	<0.300	1420	<50	110	117
	10.0	<0.300	1020	<10	<10	<10
	12.0	<0.300	656	<10	<10	13.8
	15.0	--	1960	--	--	--
	20.0	--	3760	--	--	--
	25.0	--	4080	--	--	--
	30.0	--	3360	--	--	--
	35.0	--	176	--	--	--
	40.0	--	144	--	--	--
	45.0	--	96	--	--	--
BG-1	0.0	<0.300	16	<10	<10	<10
	0.5	<0.300	16	<10	<10	<10
	1.0	<0.300	16	<10	<10	<10
	2.0	<0.300	<16	<10	<10	<10
	3.0	<0.300	288	<10	<10	<10
	5.0	<0.300	256	<10	<10	<10
	8.0	<0.300	272	<10	<10	<10
	10.0	<0.300	144	<10	<10	<10
	12.0	<0.300	176	<10	<10	<10

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) EXT DRO
BG-2	0.0	<0.300	<16	<10	<10	<10
	0.5	<0.300	80	<10	<10	<10
	1.0	<0.300	32	<10	<10	<10
	2.0	<0.300	80	<10	<10	<10
	3.0	<0.300	96	<10	<10	<10
	5.0	<0.300	80	<10	<10	<10
	8.0	<0.300	48	<10	<10	<10
	10.0	<0.300	32	<10	<10	<10
	12.0	<0.300	64	<10	<10	<10

--Analyte Not Tested

Proposed Remedial Actions

- The impacted areas (shown on the site plan) will be excavated to a depth of 3-feet deep and a clay liner will be installed.
- Field titration screening for chlorides will be used to determine excavation boundaries horizontally.
- Sidewall soil samples will be collected from the excavated areas to verify that all the impacted soil has been removed. Representative samples will be sent for laboratory analysis per EPA Method 300. The results will be forwarded to the BLM for permission to backfill.
- All contaminated soil will be transported to Lea Land, LLC, a NMOCD approved disposal facility.
- Locally obtained topsoil will be transported to the location and placed over the top of the liner.
- The backfilled area will be contoured to match the surrounding terrain and left in a "rough" condition to approximate natural surface deviations, control erosion, and promote revegetation.
- Immediately following preparation of the site, a Culti-Pack Seed Drill will be utilized to plant the BLM recommended seed mixture for the area. The site will be monitored by EOG personnel to insure proper revegetation is achieved. Should revegetation not take place then further amendments will be applied.
- Erosion control berms and windrows will be installed to prevent storm water
- from running across the work area.
- A final closure report documenting all remedial actions will be provided to the NMOCD Artesia Office along with a Final C-141 Form.

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



Kimberly M. Wilson
Project Manager



David J. Adkins
District Manager

Attachments:

- Appendix I Site Plan
- Appendix II Groundwater Data
- Appendix III Laboratory Results

APPENDIX I

SITE MAP

Federal AY #1

EOG, Eddy County, NM

Legend

- Bore Hole Locations
- Sample Locations
- Federal AY #1



Google Earth

© 2018 Google

200 ft

N

APPENDIX II

GROUNDWATER DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 6	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 05344			ED	2	4	4	26	18S	25E	551659	3619743	1136	455	200	255
RA 12548 POD1			ED	4	4	3	25	18S	25E	552484	3619618	1198	255	194	61
RA 05620			ED	3	2	4	24	18S	25E	553142	3621575*	1279	204	158	46

Average Depth to Water: 184 feet

Minimum Depth: 158 feet

Maximum Depth: 200 feet

Record Count:3

UTMNAD83 Radius Search (in meters):

Easting (X): 552148

Northing (Y): 3620769

Radius: 2000

*UTM location was derived from PLSS - see Help

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

2/26/18 2:46 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

APPENDIX III

LABORATORY RESULTS



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

December 20, 2017

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FEDERAL AY # 1

Enclosed are the results of analyses for samples received by the laboratory on 12/14/17 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 25 of 140
Received by OCD: 2/28/2022 4:29:58 PM
Released to Imaging: 3/24/2022 4:08:15 PM



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-1 3' (H703469-01)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	1.96	98.0	2.00	0.335		
Toluene*	<0.050	0.050	12/18/2017	ND	1.95	97.5	2.00	0.250		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.4	2.00	0.0455		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.84	97.3	6.00	0.633		
Total BTX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 87.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.4 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-1 5' (H703469-02)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	1.96	98.0	2.00	0.335		
Toluene*	<0.050	0.050	12/18/2017	ND	1.95	97.5	2.00	0.250		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.4	2.00	0.0455		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.84	97.3	6.00	0.633		
Total BTEX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 84.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.4 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-1 8' (H703469-03)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	1.96	98.0	2.00	0.335		
Toluene*	<0.050	0.050	12/18/2017	ND	1.95	97.5	2.00	0.250		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.4	2.00	0.0455		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.84	97.3	6.00	0.633		
Total BTX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 94.6 % 72-148

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	14000	16.0	12/15/2017	ND	416	104	400	0.00			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3		
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9		
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND						

Surrogate: 1-Chlorooctane 90.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.0 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-1 10' (H703469-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.96	98.0	2.00	0.335	
Toluene*	<0.050	0.050	12/18/2017	ND	1.95	97.5	2.00	0.250	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.4	2.00	0.0455	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.84	97.3	6.00	0.633	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 86.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.1 % 34.7-157

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-1 12' (H703469-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.96	98.0	2.00	0.335	
Toluene*	<0.050	0.050	12/18/2017	ND	1.95	97.5	2.00	0.250	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.4	2.00	0.0455	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.84	97.3	6.00	0.633	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.8 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 93.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 89.4 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-2 3' (H703469-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 85.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.1 % 34.7-157

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*=Accredited Analyte

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-2 5' (H703469-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1400	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 88.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.8 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Received by OCD: 2/28/2022 4:29:58 PM
Released to Imaging: 3/24/2022 4:08:15 PM



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-2 8' (H703469-08)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PII) 103 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	197	98.3	200	11.3	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	180	90.1	200	13.9	
EXT DRO >C28-C36	10.6	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 90.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.0 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-2 10' (H703469-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 87.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.9 % 34.7-157

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-2 12' (H703469-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1400	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 87.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.7 % 34.7-157

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-3 3' (H703469-11)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357		
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33		
Total BTX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	12/15/2017	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 89.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.6 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-3 5' (H703469-12)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	12/15/2017	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND					

Surrogate: 1-Chlorooctane 86.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.0 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-3 8' (H703469-13)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357		
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33		
Total BTX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	320	16.0	12/15/2017	ND	432	108	400	0.00			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/18/2017	ND	218	109	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/18/2017	ND	213	106	200	2.04		
EXT DRO >C28-C36	<10.0	10.0	12/18/2017	ND						

Surrogate: 1-Chlorooctane 80.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.6 % 34.7-157

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-3 10' (H703469-14)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/15/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 78.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 73.4 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-3 12' (H703469-15)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/15/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 85.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.3 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-4 3' (H703469-16)

BTEX 8021B			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357		
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33		
Total BTEX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	12/15/2017	ND	432	108	400	0.00		

TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04		
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 85.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.2 % 34.7-157

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-4 5' (H703469-17)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	12/15/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 85.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.2 % 34.7-157

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-4 8' (H703469-18)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357		
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33		
Total BTX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 72-148

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	12/15/2017	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04		
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 83.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.3 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-4 10' (H703469-19)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	12/19/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 80.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 76.0 % 34.7-157

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-4 12' (H703469-20)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 83.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.2 % 34.7-157

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-5 3' (H703469-21)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 83.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.1 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-5 5' (H703469-22)

BTEx 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357		
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33		
Total BTEx	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	12/19/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04		
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 91.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.5 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-5 8' (H703469-23)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 85.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 80.0 % 34.7-157

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-5 10' (H703469-24)

BTEX 8021B			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357		
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33		
Total BTEX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 72-148

Chloride, SM4500CI-B			mg/kg							Analyzed By: AC
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	12/19/2017	ND	432	108	400	0.00		

TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04		
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 77.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 72.5 % 34.7-157

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Celestine D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-5 12' (H703469-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	2.06	103	2.00	0.357	
Toluene*	<0.050	0.050	12/18/2017	ND	2.08	104	2.00	0.244	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	2.13	106	2.00	1.02	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	6.27	105	6.00	1.33	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 88.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.7 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Released to Imaging: 3/24/2022 4:08:15 PM



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

Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-6 0' (H703469-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTEx	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 93.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 63.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 58.5 % 34.7-157

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Received by OCD: 2/28/2022 4:29:58 PM
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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-6 0.5' (H703469-27)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.0	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	216	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	144	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 82.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.3 % 34.7-157

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-6 1' (H703469-28)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 93.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.7	10.0	12/19/2017	ND	218	109	200	1.14	
DRO >C10-C28*	251	10.0	12/19/2017	ND	213	106	200	2.04	
EXT DRO >C28-C36	148	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 77.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.7 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438,208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-6 2' (H703469-29)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.1 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	1760	50.0	12/19/2017	ND	243	122	200	3.78	QM-07
EXT DRO >C28-C36	526	50.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 86.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 117 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-6 3' (H703469-30)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56		
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32		
Total BTEX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 93.8 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.1	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	2290	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	703	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 84.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 109 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-6 5' (H703469-31)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.0 % 72-148

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	58.5	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	57.3	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 83.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.3 % 34.7-157

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-6 8' (H703469-32)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.8 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	12/19/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	35.8	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	16.8	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 71.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 71.7 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-6 10' (H703469-33)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.1 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 84.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.2 % 34.7-157

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/11/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-6 12' (H703469-34)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 77.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 75.7 % 34.7-157

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 0' (H703469-35)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/18/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.1 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	673	50.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	267	50.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 88.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 104 % 34.7-157

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 0.5' (H703469-36)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	26.7	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	45.7	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 79.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 80.2 % 34.7-157

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 1' (H703469-37)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/20/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	<0.300	0.300	12/20/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 91.9 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	4690	100	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	2530	100	12/19/2017	ND					

Surrogate: 1-Chlorooctane 92.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 214 % 34.7-157

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 2' (H703469-38)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	0.478	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	0.252	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	0.730	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	12/19/2017	ND	206	103	200	3.27		
DRO >C10-C28*	12100	100	12/19/2017	ND	243	122	200	3.78		
EXT DRO >C28-C36	4230	100	12/19/2017	ND						

Surrogate: 1-Chlorooctane 88.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 226 % 34.7-157

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 3' (H703469-39)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	6.77	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	4.51	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	11.3	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 144 % 72-148

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	338	50.0	12/19/2017	ND	206	103	200	3.27		
DRO >C10-C28*	6930	50.0	12/19/2017	ND	243	122	200	3.78		
EXT DRO >C28-C36	1570	50.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 101 % 28.3-164

Surrogate: 1-Chlorooctadecane 171 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 5' (H703469-40)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	5.15	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	3.83	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTEX	8.98	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 147 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	186	50.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	3290	50.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	593	50.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 77.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 102 % 34.7-157

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 8' (H703469-41)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	0.567	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	0.359	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	0.926	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.5	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	294	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	49.6	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 80.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.8 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-7 10' (H703469-42)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	1.42	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	0.918	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	2.34	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	64.0	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	1050	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	179	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 96.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 106 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 12' (H703469-43)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	29.5	10.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	10.6	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 84.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.2 % 34.7-157

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-8 0' (H703469-44)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56	
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32	
Total BTX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.5 % 72-148

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	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/19/2017	ND	206	103	200	3.27	
DRO >C10-C28*	517	50.0	12/19/2017	ND	243	122	200	3.78	
EXT DRO >C28-C36	240	50.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 81.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.7 % 34.7-157

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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-8 0.5' (H703469-45)

BTEX 8021B			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2017	ND	1.78	89.2	2.00	2.56		
Toluene*	<0.050	0.050	12/19/2017	ND	1.78	88.9	2.00	3.99		
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.73	86.3	2.00	2.05		
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.33	88.8	6.00	1.32		
Total BTEX	<0.300	0.300	12/19/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 95.2 % 72-148

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	12/19/2017	ND	416	104	400	3.77		

TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	12/19/2017	ND	206	103	200	3.27		
DRO >C10-C28*	461	50.0	12/19/2017	ND	243	122	200	3.78		
EXT DRO >C28-C36	208	50.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 75.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 89.8 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-8 1' (H703469-46)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/18/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.9	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	790	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	150	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 70.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.4 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-8 2' (H703469-47)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/18/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 72-148

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	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	24.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	1180	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	322	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 74.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 100 % 34.7-157

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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-8 3' (H703469-48)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/18/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	150	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	44.6	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 83.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.1 % 34.7-157

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-8 5' (H703469-49)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/18/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	12/19/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.9	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	711	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	177	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 86.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 100 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-8 8' (H703469-50)

BTEX 8021B			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2017	ND	1.74	87.2	2.00	2.58		
Toluene*	<0.050	0.050	12/18/2017	ND	1.80	89.8	2.00	2.22		
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.6	2.00	1.35		
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.52	92.0	6.00	1.89		
Total BTEX	<0.300	0.300	12/18/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 72-148

Chloride, SM4500CI-B			mg/kg							Analyzed By: AC
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	12/19/2017	ND	416	104	400	3.77		

TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	12/19/2017	ND	209	104	200	9.38		
DRO >C10-C28*	110	50.0	12/19/2017	ND	200	100	200	8.64		
EXT DRO >C28-C36	117	50.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 101 % 28.3-164

Surrogate: 1-Chlorooctadecane 99.8 % 34.7-157

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S-8 10' (H703469-51)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/18/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/18/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/18/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 72-148

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	12/19/2017	ND	416	104	400	3.77		

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 94.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.4 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-8 12' (H703469-52)

BTEX 8021B			mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58		
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22		
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35		
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89		
Total BTEX	<0.300	0.300	12/19/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 72-148

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	656	16.0	12/19/2017	ND	416	104	400	3.77			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64		
EXT DRO >C28-C36	13.8	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 85.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.0 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -1 0' (H703469-53)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58		
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22		
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35		
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89		
Total BTEx	<0.300	0.300	12/19/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/19/2017	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64		
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 79.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.0 % 34.7-157

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -1 0.5' (H703469-54)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PII) 97.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 78.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 76.6 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -1 1' (H703469-55)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 93.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.9 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -1 2' (H703469-56)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 87.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 87.2 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -1 3' (H703469-57)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58		
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22		
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35		
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89		
Total BTEX	<0.300	0.300	12/19/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.1 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 88.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.1 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -1 5' (H703469-58)

BTEx 8021B			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58			
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22			
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35			
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89			
Total BTEx	<0.300	0.300	12/19/2017	ND							

Surrogate: 4-Bromofluorobenzene (PIL) 98.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 76.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 73.5 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -1 8' (H703469-59)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58		
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22		
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35		
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89		
Total BTEX	<0.300	0.300	12/19/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 97.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64		
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 87.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 84.8 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -1 10' (H703469-60)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 80.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 78.4 % 34.7-157

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Celest D. Keene

Celest D. Keene, Lab Director/Quality Manager

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Released to Imaging: 3/24/2022 4:08:15 PM



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -1 12' (H703469-61)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 88.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.4 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -2 0' (H703469-62)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 96.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 68.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 65.8 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -2 0.5' (H703469-63)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 67.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 64.8 % 34.7-157

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -2 1' (H703469-64)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58		
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22		
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35		
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89		
Total BTEX	<0.300	0.300	12/19/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 97.2 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38		
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64		
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND						

Surrogate: 1-Chlorooctane 71.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 67.8 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -2 2' (H703469-65)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	1.74	87.2	2.00	2.58	
Toluene*	<0.050	0.050	12/19/2017	ND	1.80	89.8	2.00	2.22	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.87	93.6	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.52	92.0	6.00	1.89	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	209	104	200	9.38	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	200	100	200	8.64	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 73.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 71.3 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -2 3' (H703469-66)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	2.07	104	2.00	2.66	
Toluene*	<0.050	0.050	12/19/2017	ND	2.19	110	2.00	2.12	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.77	88.5	2.00	3.04	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.47	91.2	6.00	2.76	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	240	120	200	0.0146	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	236	118	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 79.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 81.4 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -2 5' (H703469-67)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	2.07	104	2.00	2.66	
Toluene*	<0.050	0.050	12/19/2017	ND	2.19	110	2.00	2.12	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.77	88.5	2.00	3.04	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.47	91.2	6.00	2.76	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2017	ND	240	120	200	0.0146	
DRO >C10-C28*	<10.0	10.0	12/19/2017	ND	236	118	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	12/19/2017	ND					

Surrogate: 1-Chlorooctane 80.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.0 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Received by OCD: 2/28/2022 4:29:58 PM
Released to Imaging: 3/24/2022 4:08:15 PM



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

Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -2 8' (H703469-68)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	2.07	104	2.00	2.66	
Toluene*	<0.050	0.050	12/19/2017	ND	2.19	110	2.00	2.12	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.77	88.5	2.00	3.04	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.47	91.2	6.00	2.76	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.8 % 72-148

Chloride, SM4500C1-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2017	ND	240	120	200	0.0146	
DRO >C10-C28*	<10.0	10.0	12/20/2017	ND	236	118	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	12/20/2017	ND					

Surrogate: 1-Chlorooctane 80.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 76.8 % 34.7-157

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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/14/2017	Sampling Date:	12/12/2017
Reported:	12/20/2017	Sampling Type:	Soil
Project Name:	FEDERAL AY # 1	Sampling Condition:	Cool & Intact
Project Number:	700438.208.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BG -2 10' (H703469-69)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	2.07	104	2.00	2.66	
Toluene*	<0.050	0.050	12/19/2017	ND	2.19	110	2.00	2.12	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.77	88.5	2.00	3.04	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.47	91.2	6.00	2.76	
Total BTX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2017	ND	240	120	200	0.0146	
DRO >C10-C28*	<10.0	10.0	12/20/2017	ND	236	118	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	12/20/2017	ND					

Surrogate: 1-Chlorooctane 92.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.6 % 34.7-157

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/14/2017
Reported: 12/20/2017
Project Name: FEDERAL AY # 1
Project Number: 700438.208.01
Project Location: EOG - EDDY CO NM

Sampling Date: 12/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -2 12' (H703469-70)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2017	ND	2.07	104	2.00	2.66	
Toluene*	<0.050	0.050	12/19/2017	ND	2.19	110	2.00	2.12	
Ethylbenzene*	<0.050	0.050	12/19/2017	ND	1.77	88.5	2.00	3.04	
Total Xylenes*	<0.150	0.150	12/19/2017	ND	5.47	91.2	6.00	2.76	
Total BTEX	<0.300	0.300	12/19/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2017	ND	240	120	200	0.0146	
DRO >C10-C28*	<10.0	10.0	12/20/2017	ND	236	118	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	12/20/2017	ND					

Surrogate: 1-Chlorooctane 92.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 89.0 % 34.7-157

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Notes and Definitions

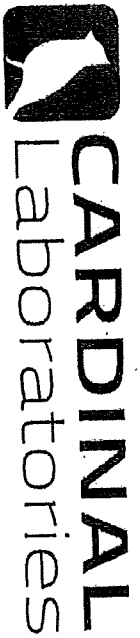
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted 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.
- BS1 Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: <u>Talco LPE</u>		P.O. #:				
Project Manager: <u>N. Atkins</u>		Company: <u>EOG</u>				
Address: <u>404 West Texas Ave</u>		Attn:				
City: <u>Deming</u> State: <u>NM</u> Zip: <u>88210</u>		Address:				
Phone #: <u>575-346-8768</u> Fax #: <u>575-346-8905</u>		City:				
Project #: <u>100438.08.01</u> Project Owner: <u>EOG</u>		State: Zip:				
Project Name: <u>Federal AY #1</u>		Phone #:				
Project Location: <u>Eddy County</u>		Fax #:				
Sample Name: <u>J. Laird</u>		PRESERV. SAMPLING				
FOR LAB USE ONLY						
Lab I.D.	Sample I.D.	MATRIX		DATE	TIME	ANALYSIS REQUEST
		(G)RAB OR (C)OMP.	# CONTAINERS			
H103469	1	5-1	3'	1	1	1
	2	5-1	5'	1	1	1
	3	5-1	8'	1	1	1
	4	5-1	10'	1	1	1
	5	5-1	12'	1	1	1
	6	5-2	3'	1	1	1
	7	5-2	5'	1	1	1
	8	5-2	8'	1	1	1
	9	5-2	10'	1	1	1
	10	5-2	12'	1	1	1
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Relinquished By: <u>David Laird</u> Date: <u>12-14-17</u>		Received By: <u>[Signature]</u> Date: <u>12-20</u>		REMARKS: <u>Sample times are written on the sample jars</u>		
Delivered By: (Circle One) <u>4.9g</u>		Sample Condition		CHECKED BY: <u>[Signature]</u>		
Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		
Sampler - UPS - Bus - Other: <u>Corrected 5.15g</u>		No <input type="checkbox"/> Yes <input type="checkbox"/>		No <input type="checkbox"/> Yes <input type="checkbox"/>		



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

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

Company Name: Telco LPE

Project Manager: M. Atkins

Address: 409 West Texas Ave,

City: Gateside

Phone #: 575-746-8768 **Fax #:** 575-746-8905

Project #: 700438.208.01 **Project Owner:** EOG

Project Name: Federal AY #1

Project Location: Eddy County

Sample Name: J. Laird

FOR LAB USE ONLY

P.O. #:

Company: EOG

Attn:

Address:

City:

State: **Zip:**

Phone #:

Fax #:

PRESERV.

SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:											ICE / COOL
H703469		G	1									12-17-14	1030	✓	✓	✓					
11	5.3												1033								
12	5.3												1036								
13	5.3												1039								
14	5.3												1042								
15	5.3												12-11-14	13:05							
16	5.4												13:07								
17	5.4																				
18	5.4																				
19	5.4																				
20	5.4																				

Relinquished By: [Signature]

Relinquished By: [Signature]

Time: 12:11:17

Date: 12:20

Received By: [Signature]

Time:

Sample Condition

Cool ☒ Intact ☒

Yes ☒ No ☒

CHECKED BY: [Signature]

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

Fax Result: ☐ Yes ☐ No ☐ Add'l Fax #:

REMARKS:

Sample times are written on the sample jars

DELIVERED BY: (Circle One) 41.92

UPS - BUS - OTHER: Unprotected 5.15C



3 of 7

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

Company Name: Telco LPE

Project Manager: M. Adkins

Address: 408 West Texas Ave
City: Gateside
Phone #: 575-746-8768
Project #: 700438.208.01

State: NH **Zip:** 38810

Project Name: Federal Av #1

Project Location: Eddy County

Sample Name: J. Laird

P.O. #:

Company: EOG

Attn:

Address:

City:

State: **Zip:**

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH EXT	BTEX	Chlorides	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						ICE / COOL
H103469																
21	5.5	3	6	1								12/11/17	12:34	✓	✓	✓
22	5.5	5											12:38			
23	5.5	8											12:40			
24	5.5	10											12:43			
25	5.5	13											12:45			
26	5.6	0.5											11:45			
27	5.6	1											10:46			
28	5.6	2											11:47			
29	5.6	3											11:56			
30	5.6	3											12:50			

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Relinquished By: [Signature]

Relinquished By: [Signature]

Delivered By: (Circle One) ✓ **Sample Condition:** Cool ☒ Intact ☒

Sampler: UPS - Bus - Other: Automated 1515

Received By: [Signature]

Received By: [Signature]

Checked By: [Signature]

Checked By: [Signature]

REMARKS: Sample times are written on the sample jars



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240
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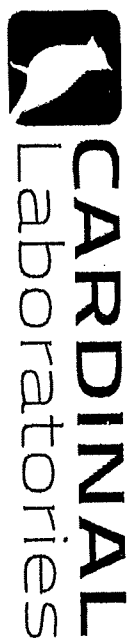
Company Name: Telco LPE		P.O. #:
Project Manager: M. Adkins		Company: EOG
Address: 408 West Texas Ave		City: Georgetown
State: TX Zip: 78626		Address:
Phone #: 515-746-8768 Fax #: 515-746-8905		City:
Project #: 100438208.01 Project Owner: EOG		State:
Project Name: Federal AY #1		Zip:
Project Location: Eddy County		Phone #:
Sample Name: J. Laird		Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE;			
H703469	5-6	1	1								12-11-97	1203	TPH Ext
31	5-6	1	1								12-11-97	1206	BTEX
32	5-6	1	1										Chlorides
33	5-6	1	1										
34	5-6	1	1										
35	5-1	0.5									12-12-97	1100	
36	5-1	1										1103	
37	5-1	1										1106	
38	5-1	1										1109	
39	5-1	1										1112	
40	5-1	1										1115	

Relinquished By: Paul David	Date: 12-14-97	Received By: MICHAEL	Date: 12-20
Time: 12:20	Time:	Time:	Time:

Delivered By: (Circle One) 21.98	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	12-20-97
	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Addt Phone #:
REMARKS: Sample times are written on the sample jars	

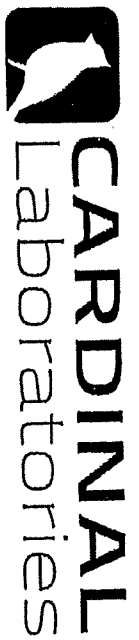


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

705

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

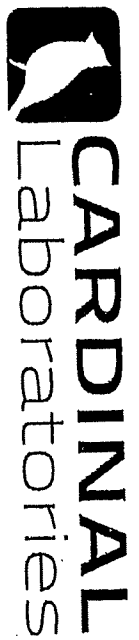
[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon LPE</u>		P.O. #:									
Project Manager: <u>R. Adkins</u>		Company: <u>EOG</u>									
Address: <u>409 West Texas Ave.</u>		Attn:									
City: <u>Artesia</u>		State: <u>NM</u> Zip: <u>88210</u>									
Phone #: <u>575-346-8768</u>		Fax #: <u>575-446-8405</u>									
Project #: <u>100438-238.01</u>		Project Owner: <u>EOG</u>									
Project Name: <u>Federal AY #1</u>		State: Zip:									
Project Location: <u>Eddy County</u>		Phone #:									
Sampler Name: <u>J. Laird</u>		Fax #:									
FOR LAB USE ONLY		ANALYSIS REQUEST									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH Ext	BTEX	Chlorides
H103469	5-8 10'	61	1	✓	✓	12/17	1147	✓	✓	✓	
51	5-8 10'										
52	5-8 10'										
53	5-8 10'										
54	5-8 10'										
55	5-8 10'										
56	5-8 10'										
57	5-8 10'										
58	5-8 10'										
59	5-8 10'										
60	5-8 10'										
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Relinquished By: <u>David Laird</u>		Date: <u>12-17-17</u>		Received By: <u>Michael DeLaRosa</u>		Date: <u>12-20-17</u>		Time: <u>12:20</u>		Time: <u>12:21</u>	
Delivered By: (Circle One) <u>496</u>		Sample Condition		CHECKED BY: <u>YD#75</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: <u>70#75</u>	
Sampler - UPS - Bus - Other: <u>Delivered 5/15C</u>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Initials		REMARKS: <u>Sample times are written on the sample jars</u>					



7 of 7
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Telen LPE</u>		P.O. #:		BIO-10		ANALYSIS REQUEST									
Project Manager: <u>R. Adkins</u>		Company: <u>EDG</u>													
Address: <u>409 West Texas Ave.</u>		Attn:													
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88210</u>															
Phone #: <u>575-246-8768</u> Fax #: <u>575-446-8905</u>															
Project #: <u>100438.258.01</u> Project Owner: <u>EOG</u>															
Project Name: <u>Federal AY #1</u>		State: _____ Zip: _____													
Project Location: <u>Eddy County</u>		Phone #: _____ Fax #: _____													
Sampler Name: <u>J. Laird</u>															
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	
<u>H103419</u>	<u>BG-1 12'</u>	<u>6</u>	<u>1</u>			<u>1</u>							<u>12/27</u>	<u>1224</u>	<u>✓</u>
<u>122</u>	<u>BG-2 0.5'</u>													<u>1308</u>	<u>✓</u>
<u>123</u>	<u>BG-2 0.5'</u>													<u>1304</u>	<u>✓</u>
<u>124</u>	<u>BG-2 1'</u>													<u>1309</u>	<u>✓</u>
<u>125</u>	<u>BG-2 2'</u>													<u>1312</u>	<u>✓</u>
<u>126</u>	<u>BG-2 3'</u>													<u>1315</u>	<u>✓</u>
<u>127</u>	<u>BG-2 5'</u>													<u>1318</u>	<u>✓</u>
<u>128</u>	<u>BG-2 8'</u>													<u>1321</u>	<u>✓</u>
<u>129</u>	<u>BG-2 10'</u>													<u>1324</u>	<u>✓</u>
<u>130</u>	<u>BG-2 12'</u>													<u>1324</u>	<u>✓</u>
PLEASE NOTE: Card and Company Customer Liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims regarding such shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.															
Relinquished By: <u>Scott Laird</u>		Date: <u>12-27-17</u>		Received By: <u>William A. White</u>											
Time: <u>12:20</u>		Received By: _____													
Delivered By: (Circle One) <u>4:48</u>		Sample Condition		CHECKED BY: _____ (Initials)											
Sampler - UPS - Bus - Other: <u>Delivered 515E</u>		<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact		<u>YES</u>											
		<input type="checkbox"/> No <input type="checkbox"/> No		<u>YES</u>											

REMARKS: Sample times are written on the sample jars

Appendix C

NMOCD Remediation Plan Approval Email

Chase Settle

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Tuesday, May 8, 2018 1:46 PM
To: Kimberly M. Wilson; stucker@blm.gov
Cc: Chase Settle; David J. Adkins
Subject: RE: Federal AY #1 initial C-141 and Work Plan

** External email. Use caution.**

RE: EOG Y * Federal AY 1 * 2RP_____ * Historical – well P/A

All,

This proposal is approved with the following:

- Liner is to be set at a minimum of 4 bgs.

RP number to be assigned.

Federal sites will require like approval from BLM. Please advise once remedial activities have been scheduled.

Mike Bratcher
 NMOCD District 2
 811 South First Street
 Artesia, NM 88210
 575-748-1283 Ext 108

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

From: Kimberly M. Wilson <kwilson@talonlpe.com>
Sent: Tuesday, May 8, 2018 10:26 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; stucker@blm.gov
Cc: Chase Settle <Chase_Settle@eogresources.com>; David J. Adkins <dadkins@talonlpe.com>
Subject: Federal AY #1 initial C-141 and Work Plan

Mike,

Please find attached the initial C-141 and work plan for the above referenced location.

Thank you.

Respectfully submitted,

Kimberly

Kimberly M. Wilson

Project Manager

Office: 575.746.8768

Direct: 575.616.4023

Cell: 575.602.3826

Fax: 575.746.8905

Emergency: 866.742.0742

Web: www.talonlpe.com



Appendix D

Closure Report



EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

January 9, 2019

NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Federal AY #1
30-015-10890
F-25-18S-25E
Eddy County, New Mexico
2RP-4735

EOG Y Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The plan is being submitted accompanying the C-141 Final.

EOG Y Resources Inc. requests closure of 2RP-4735.

If you have any questions, feel free to call me at (575) 748-4171.

Respectfully,

A handwritten signature in cursive script that reads "Chase Settle".

Chase Settle
Rep Safety & Environmental II
EOG Y Resources, Inc.



January 9, 2019

EOG Y Resources, Inc.
Federal AY #1
Closure Report
F-25-18S-25E
Eddy County, New Mexico
January 9, 2019
2RP-4735



January 9, 2019

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III.	Incident Description.....	1
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Tables:

Table 1: Confirmation Soil Analytical Data

Figures:

Figure 1: Site Map

Photos

Appendices:

Appendix A: Soil Analytical Report

Appendix B: C-141 Initial

Appendix C: C-141 Final

I. Site Information

The Federal AY #1 is located approximately fifteen (15) miles southwest of Artesia, New Mexico. The site is located at latitude 32.71580 and longitude -104.43514.

II. Ground Water and Site Ranking

The New Mexico State Engineer website indicates that ground water is greater than 100' below ground surface (bgs).

The site assessment criteria is as follows:

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

Based on the assessment criteria, the NMOCDC established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	2,500 mg/kg
Chlorides	20,000 mg/kg

III. Incident Description

The site was plugged and abandoned on July 5, 2016, however there were areas that were still not vegetated. It was determined after initial soil sampling activities that an unknown release had impacted soils preventing revegetation. The impacted area is presented with the Site Map in Figure 1.

V. Initial Remedial Actions

On December 8, 2017, Talon LPE began the site assessment and soil sampling activities. Sampling was first conducted using an excavator then progressed to an Air Rotary Drill Rig when depths increased past what an excavator could access.

VI. Work Completed

The impacted area at S-1,2,7, & 8 was excavated to four (4) feet below grade surface (bgs) and a geosynthetic clay liner was installed. With the inclusion of a geosynthetic clay liner, confirmation sampling consisted only of sidewall samples (10/18/18, results enclosed). All analytical results displayed chloride concentrations less than 600 mg/kg. The excavation was then backfilled with clean, non-impacted topsoil collected from a local source.

The impacted area at S-6 was excavated to two and a half (2 & ½) feet bgs, confirmation sampling was conducted in the bottom of the excavation (5 point composite) and on the sidewalls, and analytical results (10/18/18, results enclosed) showed chloride concentration less than 600 mg/kg. This area was backfilled with clean, non-impacted topsoil collected from a local source.



January 9, 2019

The historical drill pit located in areas S-3,4, & 5 was lined with a geosynthetic clay liner and capped with three (3) feet of clean, non-impacted topsoil as to the private landowners' request.

All excavated material was hauled to a NMOCD approved disposal facility and the excavations were backfilled with topsoil and contoured to match the surrounding location. The site was then reseeded with native grass seed as to the private surface owners' preference. EOG Resources, Inc. is hereby submitting a C-141 Final requesting closure of 2RP-4735.

Federal AY #1
Closure Report
2RP-4735



January 9, 2019

Table 1

Confirmation Soil Analytical Data

Federal AY #1
Closure Report
2RP-4735



January 9, 2019

Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
H1	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	128
H2	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	304
H3	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	384
H4	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	96
H5	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	384
H6	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	208
H7	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	256
H8	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	224
H9	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	96
H10	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	336
H11	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	544
H12	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	336
H13	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	48
H14	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	496
H15	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	256
H16	Sur-4'	10/15/18	-	-	-	-	-	-	-	-	-	256
HN	Sur-2'	10/15/18	-	-	-	-	-	-	-	-	-	256
HS	Sur-2'	10/15/18	-	-	-	-	-	-	-	-	-	352
HE	Sur-2'	10/15/18	-	-	-	-	-	-	-	-	-	368
HW	Sur-2'	10/15/18	-	-	-	-	-	-	-	-	-	384
S6-COMP	2'	10/15/18	-	-	-	-	-	-	-	-	-	272

Figure 1

Site Map

Federal AY #1

EOG, Eddy County, NM

Legend

- Bore Hole Locations
- Sample Locations
- Federal AY #1



Google Earth

©2018 Google

200 ft





Photos



Federal AY #1
Closure Report
2RP-4735



January 9, 2019

Appendix A

Soil Analytical Report



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

October 18, 2018

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: FEDERAL AY #1

Enclosed are the results of analyses for samples received by the laboratory on 10/17/18 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 10/17/2018
Reported: 10/18/2018
Project Name: FEDERAL AY #1
Project Number: 2RP-4735
Project Location: FEDERAL AY #1

Sampling Date: 10/15/2018
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: H1 (H802981-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H2 (H802981-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H3 (H802981-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H4 (H802981-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/18/2018	ND	432	108	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 10/17/2018
Reported: 10/18/2018
Project Name: FEDERAL AY #1
Project Number: 2RP-4735
Project Location: FEDERAL AY #1

Sampling Date: 10/15/2018
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: H5 (H802981-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H6 (H802981-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H7 (H802981-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H8 (H802981-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H9 (H802981-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/18/2018	ND	432	108	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 10/17/2018
Reported: 10/18/2018
Project Name: FEDERAL AY #1
Project Number: 2RP-4735
Project Location: FEDERAL AY #1

Sampling Date: 10/15/2018
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: H10 (H802981-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H11 (H802981-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H12 (H802981-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H13 (H802981-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H14 (H802981-14)

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	10/18/2018	ND	432	108	400	0.00		

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	10/17/2018	Sampling Date:	10/15/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	FEDERAL AY #1	Sampling Condition:	** (See Notes)
Project Number:	2RP-4735	Sample Received By:	Tamara Oldaker
Project Location:	FEDERAL AY #1		

Sample ID: H15 (H802981-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: H16 (H802981-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/18/2018	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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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 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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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Federal AY #1

Project #: 2RP-4735

Project | no: Federal AY #1

Page 7 of 8

Project Manager: Chase Settle

Company Name EOG Y Resources Inc.

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4171

Fax No: _____

Chase Settle@eogresol

e-mail: Chase.Settle@geogresources.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #: 205-0750

(lab use only)

ORDER #:

ORDER #:		LAB # (lab use only)												FIELD CODE		Beginning Depth		Ending Depth		Date Sampled		Time Sampled		Field Filled		Total #. of Containers		Preservation & # of Containers										Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
H1		1												1'		4'		10/15/2018		1:27 PM				1		Ice		HNO ₃		HCl		H ₂ SO ₄		NaOH		Na ₂ S ₂ O ₃		None		Other (Specify)		DW=Drinking Water SL=Sludge GW = Groundwater S=Sol/Solid NP=Non-Potable Specify Other		TPH: 8015B		TPH: TX 1005 TX 1006		Cations (Ca, Mg, Na, K)		Anions (Cl, SO ₄ , Alkalinity)		SAR / ESP / CEC		Metals: As Ag Ba Cd Cr Pb Hg So		Volatiles		Semivolatiles		BTEX: 8021B		RCI		N.O.R.M.		Chlorides		SAR		RUSH TAT (Pre-Schedule) 24, 48, 7		Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
H2		2												1'		4'		10/15/2018		1:29 PM				1		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X	

Special Instructions:

Relinquished by ✓

Retinquished by:

Relinquished by:

Date

10/17/17

Date

Date

Time

11:30

Time

Time

Received by:

Received by:

Received by

Date _____

17-18

Date _____

Date _____

Time

13:40

Time

time

Laboratory Comments:	
Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N

Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N

by Sampler/Client Rep. ? UPS DHL FedEx Lone Star
by Courier?

Temperature Upon Receipt: 8.8°C



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

October 18, 2018

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: FEDERAL AY #1

Enclosed are the results of analyses for samples received by the laboratory on 10/17/18 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 10/17/2018
Reported: 10/18/2018
Project Name: FEDERAL AY #1
Project Number: 2RP-4735
Project Location: FEDERAL AY #1

Sampling Date: 10/16/2018
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: HN (H802982-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: HS (H802982-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: HE (H802982-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/18/2018	ND	432	108	400	0.00	

Sample ID: HW (H802982-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/18/2018	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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 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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Celey D. Keene, Lab Director/Quality Manager

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Federal AY #1

Project #: 2RP-4735

Project Loc: Federal AY #1

PO #: 205-0750

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: Chase.Settle@eoqresources.com

Analyze For:

TCLP:
TOTAL:

[illegible]

Laboratory Comments:

Sample Containers Intact?	<input checked="" type="radio"/> Y	N
VOCs Free of Headspace?	<input checked="" type="radio"/> Y	N
Labels on Container(s)	<input checked="" type="radio"/> Y	N

Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N

by Sampler/Client Rep.?	UPS	DHL	<input checked="" type="radio"/> Y	N
by Courier?				
			FedEx	Lone Star



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

October 18, 2018

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: FEDERAL AY #1

Enclosed are the results of analyses for samples received by the laboratory on 10/17/18 13:40.

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.

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Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
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This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 10/17/2018
Reported: 10/18/2018
Project Name: FEDERAL AY #1
Project Number: 2RP-4735
Project Location: FEDERAL AY #1

Sampling Date: 10/16/2018
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S6-COMPOSITE (H802983-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/18/2018	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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 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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Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

Appendix B

C-141 Initial

RECEIVED

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

State of New Mexico
Energy Minerals and Natural Resources

MAY 08 2018

Form C-141
Revised April 3, 2017

Oil Conservation Division DISTRICT II - ARTESIA, N.M.
1220 South St. Francis Dr.
Santa Fe, NM 87505
Appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

DAB1813053140 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: EOG Resources <u>26575</u>	Contact: Chase Settle
Address: 105 S. 4 th Street, Artesia, New Mexico, 88210	Telephone No.: 575-748-4171
Facility Name: FEDERAL AY #1	Facility Type: P & A

Surface Owner:	Mineral Owner: Private	API No.: 30-015-10890
----------------	------------------------	-----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
F	25	18 S	25E	2310'	North	1980'	West	Eddy

Latitude: 32.715804 Longitude: -104.435142 NAD83

NATURE OF RELEASE

Type of Release: Mixed Fluids, Historical	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: Unknown	Date and Hour of Occurrence: Unknown, Historical	Date and Hour of Discovery:
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* The Federal AY #1 was plugged and abandoned on July 5, 2016. Talon was asked to perform site assessment and soil sampling activities in the bare areas in order to reclaim the location to its natural state. Upon receiving the analytical results it was determined that there was historical contamination caused from an unknown release.		
Describe Area Affected and Cleanup Action Taken.* The former tank battery area measures approximately 125' long x 125' wide. To the west of the tank battery along the high pressured gas line ROW a bare area running north measures 120' long by 30' wide. The bare area surrounding the dry hole maker measures approximately 80' long by 80' wide.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: <u>Chase Settle</u>	OIL CONSERVATION DIVISION	
Printed Name: Chase Settle	Approved by Environmental Specialist: <u>[Signature]</u>	
Title: Rep Safety & Environmental II	Approval Date: <u>5/8/18</u>	Expiration Date: <u>N/A</u>
E-mail Address: Chase.Settle@ecogresources.com	Conditions of Approval: <u>See Attached</u>	Attached <input checked="" type="checkbox"/> <u>ARP-4135</u>
Date: 5/4/2018 Phone: 575-748-4171		

* Attach Additional Sheets If Necessary

Appendix C

C-141 Final

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-4735
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental II

Signature: *Chase Settle* Date: 01/09/2019

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 84972

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 84972
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/24/2022