



402 E. Wood Avenue
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntgenvironmental.com

July 11, 2022

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Closure Report
Hackberry 16 SWD 1
Unit M, S16, T19S, R31E
Site Coordinates: 32.654022, -103.882041
Eddy County, New Mexico
Incident ID: nAPP2111132670**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Hackberry 16 SWD 1 (Site). The Site is located approximately 12.5 miles southeast of Loco Hills, New Mexico in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 (attached) obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 1, 2021. The release resulted from a surface injection line leak releasing approximately 7.80 barrels (bbls) of produced water; 0 bbls were recovered. Upon discovery, the well was shut-in and the area was secured. The release area is shown on Figure 3.

Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½ mile radius of the Site, and the site is located within a low karst area. The nearest identified well is located 1.34 miles northeast of the Site in Sec 16 T19S R31E. The well was drilled in 1992 and the reported depth to groundwater is 120 feet below ground surface (ft bgs). A copy of the site characterization information and the associated USGS summary report is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable to the Site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH (GRO + DRO + MRO): 100 mg/kg.
- Chloride: 600 mg/kg

Mr. Mike Bratcher
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Site Assessment

On April 5, 2021, PIMA Environmental Services LLC, conducted site assessment activities to assess the extent of impacts at the Site. A total of nine sample points (S-1 through S-9) were installed within the release area to characterize the impacts. Soil samples were collected in 1 ft depth intervals from depths ranging from 0 – 4 ft bgs with a geotechnical handauger. Sample locations from PIMA's assessment activities are shown on Figure 3. Analytical results from PIMA's assessment (attached), indicated that chloride concentrations within the release extent exceeded regulatory thresholds.

Remedial Action Activities and Confirmation Sampling

Devon proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to depths of 1' / 3' / 4' and 5ft. bgs within the release area. The excavation area is illustrated on Figure 4.

A total of 89 confirmation samples were collected from the excavation base (CS1 – CS89) and 25 confirmation samples were collected from the excavation sidewalls (SW1 – SW25) to ensure impacted soils were successfully removed. A photographic documenting site conditions during confirmation sampling activities is attached.

The confirmation samples were collected every 200 square feet and submitted to Cardinal Laboratories in Hobbs, New Mexico under proper chain of custody protocol for analysis. The samples were analyzed for the following:

- TPH (EPA method 8015 modified),
- BTEX (EPA Method 8021B), and
- Chloride (method SM4500Cl-B).

Analytical results indicated the extent of impacted soils had been removed and no further excavation was required. The excavation was backfilled and returned to near-natural grade. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 1.

Closing

Based on the assessment and subsequent remedial action activities, the Site is compliant with NMOCD's regulatory limits, and no further actions are required at the site. A copy of the final C- 141 is attached and Devon formally requests a no further action designation for the Site. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental



Ethan Sessums
 Project Manager

Attachments:

Initial And Final C-141
 Site Characterization Information
 Table

Figures
 Photographic Log
 Laboratory Reports and Chain-of-Custody

Ethan Sessums

From: Ethan Sessums
Sent: Wednesday, June 15, 2022 9:10 AM
To: ocd.enviro@state.nm.us
Subject: Sampling Event Notification

We will be confirmation sampling the Hackberry 16 SWD 1 on behalf of DEVON next week on Tuesday the 21st around 10 a.m. MDT.

Incident ID: nAPP2111132670

32.654022, -103.882041

Ethan Sessums
Environmental Scientist
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: essesums@ntglobal.com
<http://www.ntgenvironmental.com/>



Initial Assessment

This is your assessment report for the Hackberry 16 SWD 1. Please review and make note that this is our best estimation based on the data collected. Please call me if you have any questions.

The project is located in Eddy County, NM at these coordinates -- 32.654541, -103.882265.

- The main area to excavate will measure approximately 18,000 sqft at a depth of 4', which will be approximately 2,750 cubic yards of soil.
- Vertical and horizontal delineation will be completed during the remediation phase.
- Confirmation samples should be collected and taken to the lab before any backfill material is used.

Thank you for your time,

Tom Bynum

Tom Bynum – Project Manager
580-748-1613
Pima Environmental Services, LLC



Hackberry 16 SWD 1

Devon Energy
API #30-015-41783
Eddy County, NM
Site Map

Legend

- Backgrounds
- Samples
- Spill Area

 32.654541, -103.882265

● BG-2

● BG-1

● BG-3

● Hackberry 16 SWD 1

CS-10

CS-5

CS-4

CS-9

CS-7

CS-6

CS-3

CS-8

CS-2

CS-1

Google Earth



100 ft

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
DEVON ENERGY - HACKBERRY 16 SWD 1								
Date: 4/5/2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'							12000
	3'							576
S-2	0-6"							8880
	1'							1380
S-3	0-6"							25200
	4'							21400
S-4	0-6"							19400
	1'							1230
S-5	1'							1250
	3'							320
S-6	0-6"							15200
	1'							240
S-7	0-6"							15200
	1'							608
S-8	1'							9200
	3'							176
S-9	3'							11700
	4'							12800

INITIAL AND FINAL C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input 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

State of New Mexico
Oil Conservation Division

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Incident ID	NAPP2111132670
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input 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 type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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: _____ Title: _____ Signature: <u>Kendra DeHoyos</u> Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>5/9/2021</u>

NAPP2111132670

Spill Volume(Bbls) Calculator	
<i>Inputs in blue , Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>6996.542</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>291.523</u>
Barrels of Soil Impacted	<u>51.96</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>7.79</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>7.79</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>0</u>	<u>0.000</u>
Standing fluid	<u>0.000</u>
<u>Total fluids spilled</u>	<u>7.795</u>

Incident ID	NAPP2111132670
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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?	120' (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.

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District RP	
Facility ID	
Application ID	

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

Printed Name: Wesley Mathews Title: EHS Professional
Signature: *Wesley Mathews* Date: 9/29/2022
email: Wesley.Mathews@dvn.com Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/30/2022

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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: Wesley Mathews Title: EHS Professional
 Signature: Wesley Mathews Date: 9/29/2022
 email: Wesley.Mathews@dvn.com Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/30/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature:  Date: 12/23/2022

Incident ID	NAPP2111132670
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Wesley Mathews Title: EHS Professional
 Signature: *Wesley Mathews* Date: 9/29/2022
 email: Wesley.Mathews@dvn.com Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/30/2022

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: *JH* Date: 12/23/2022
 Printed Name: Jocelyn Harimon Title: Environmental Specialist

SITE CHARACTERIZATION INFORMATION

Devon Energy - Hackberry 16 SWD No. 1
Sec 16 T19S R31E Unit M
32.654022 \hat{A} $^{\circ}$, -103.882041 \hat{A} $^{\circ}$
Eddy County, New Mexico

Site Characterization

- No water features within specified distances of 1/2 mile radius
- Low Karst
- NMSEO Groundwater is 120' below surface, 0.88 miles northeast of the site, Unknown Date, Section 16
- USGS Groundwater is 390.27' below surface, 1.41 miles Northeast of the site, 1966 drilled, Section 2
- USGS Groundwater is 406.45' below surface, 1.34 miles Northeast of the site, 1992 drilled, Section 2

RRALs due to insufficient groundwater data

- Chlorides 600 mg/kg
- TPH GRO+DRO+MRO 100 mg/kg
- BTEX 50 mg/kg
- Benzene 10 mg/kg

X: 604810.110

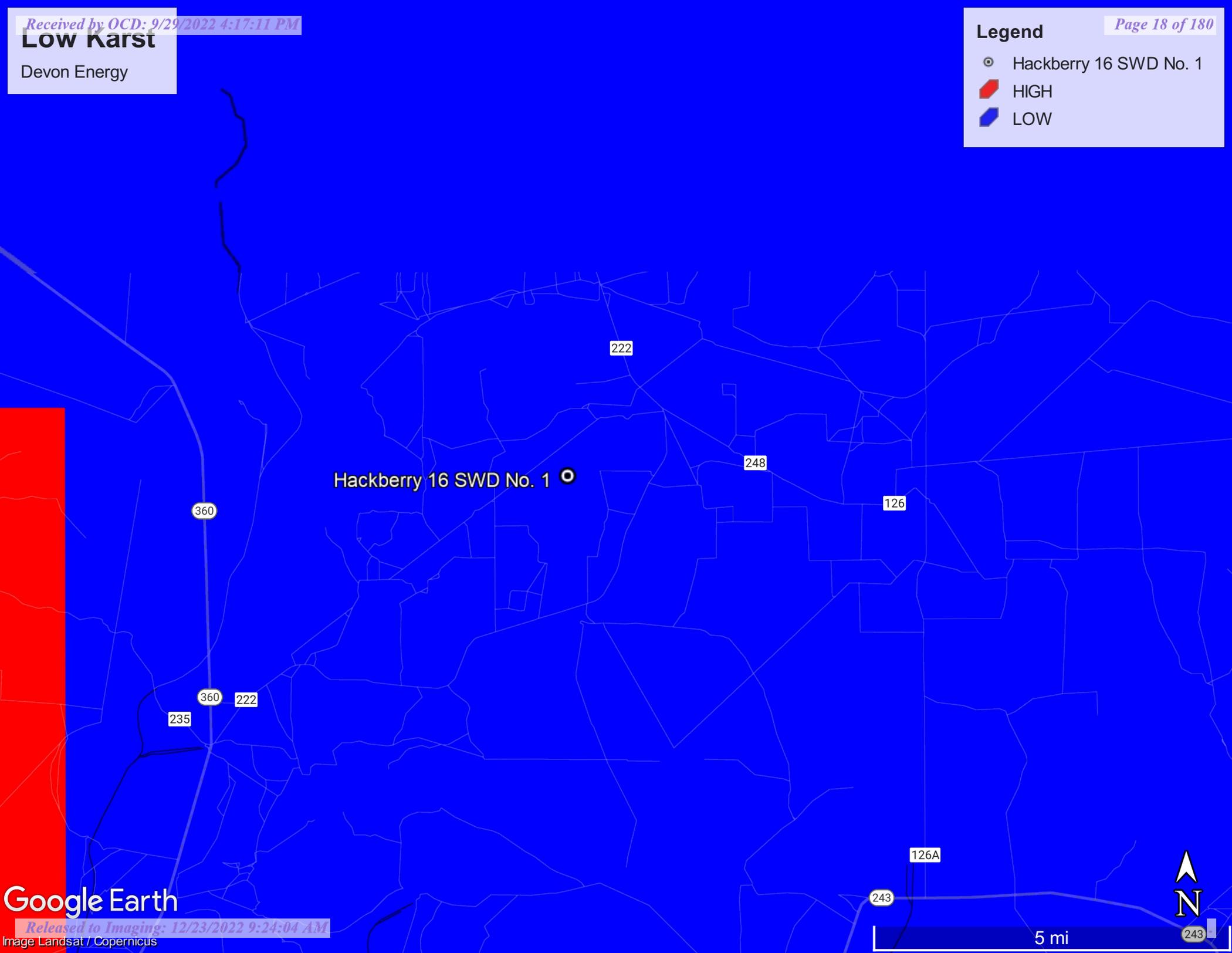
Y: 3613485.41

Low Karst

Devon Energy

Legend

-  Hackberry 16 SWD No. 1
-  HIGH
-  LOW

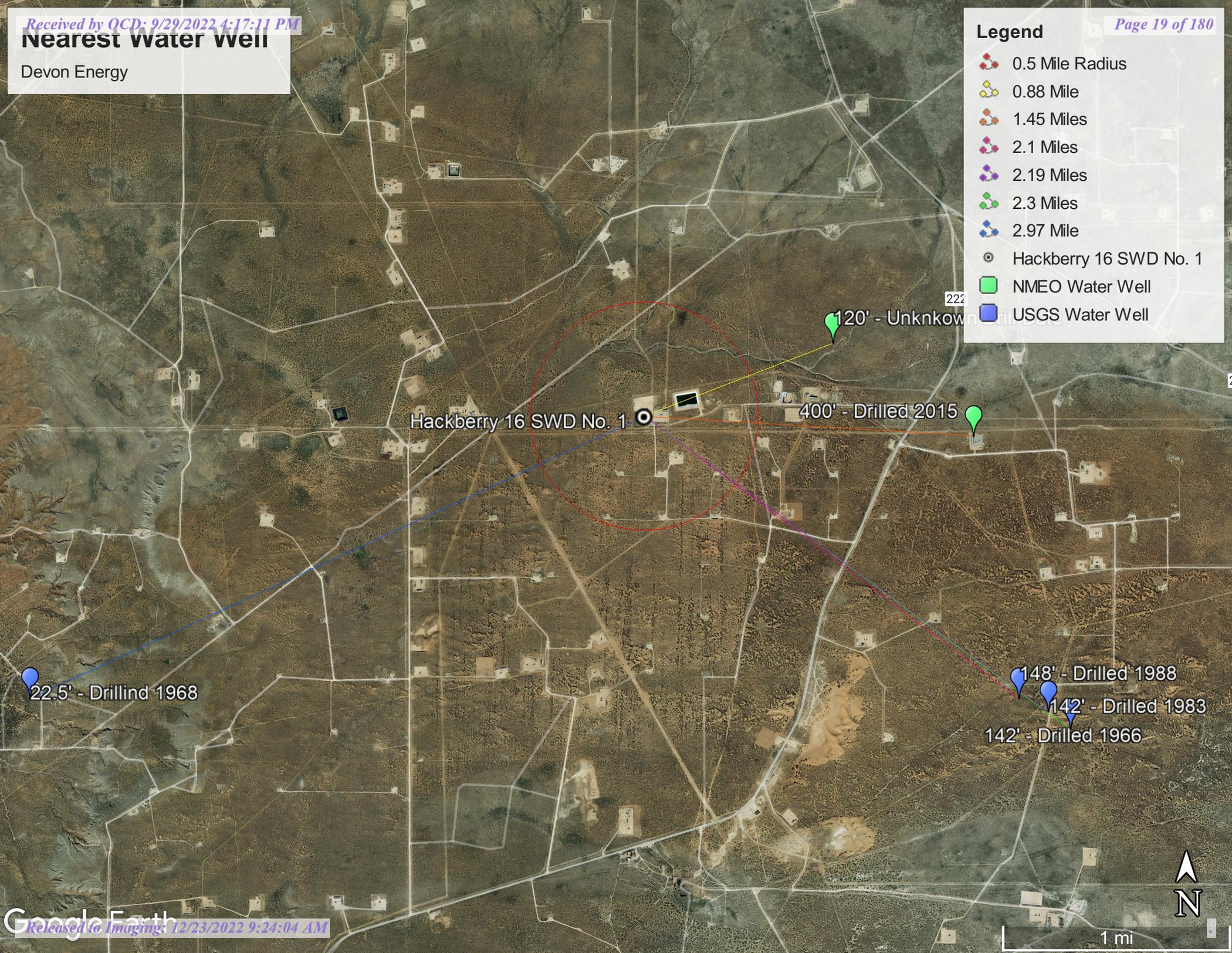


Nearest Water Well

Devon Energy

Legend

- 0.5 Mile Radius
- 0.88 Mile
- 1.45 Miles
- 2.1 Miles
- 2.19 Miles
- 2.3 Miles
- 2.97 Mile
- Hackberry 16 SWD No. 1
- NMEO Water Well
- USGS Water Well



Hackberry 16 SWD No. 1

120' - Unknkow

400' - Drilled 2015

22.5' - Drillind 1968

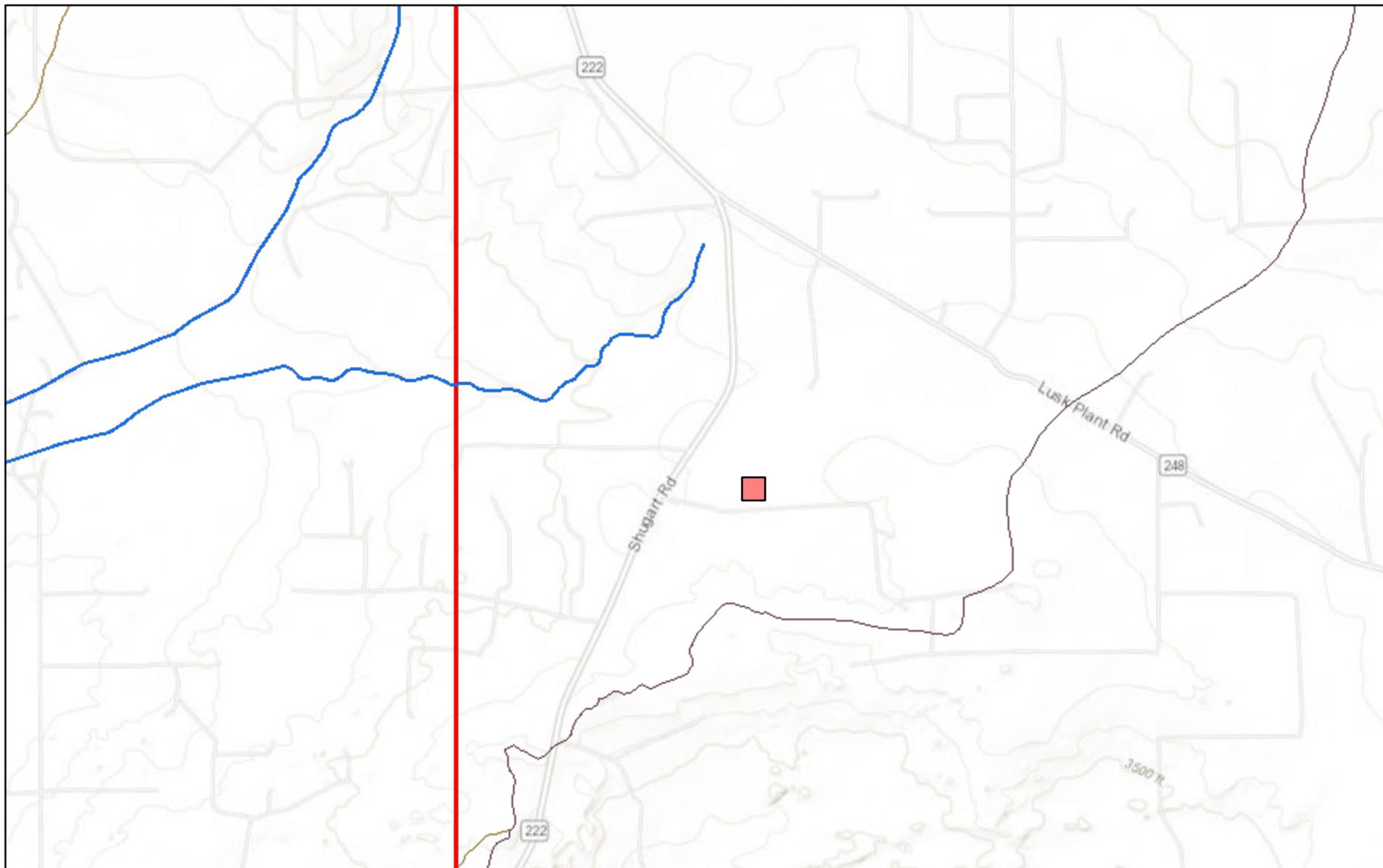
148' - Drilled 1988

142' - Drilled 1983

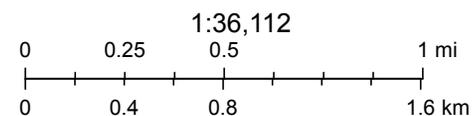
142' - Drilled 1966

1 mi

New Mexico NFHL Data



May 24, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						
		(quarters are smallest to largest)					(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X Y
CP 00829	POD1	2	4	16	19S	31E	606165	3614009*

Driller License: 122	Driller Company: UNKNOWN	
Driller Name:		
Drill Start Date:	Drill Finish Date:	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 7.00	Depth Well: 120 feet	Depth Water:

*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.

5/24/22 9:31 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01554 POD1	2	2	1	22	19S	31E	607166	3613354

Driller License: 1632	Driller Company: HOPPER PUMP & DRILLING, INC.	
Driller Name: CURRY, CALEB		
Drill Start Date: 09/22/2015	Drill Finish Date: 09/23/2015	Plug Date: 09/23/2015
Log File Date: 10/05/2015	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 400 feet	Depth Water:

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.

5/24/22 9:29 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00829 POD1		CP	LE	2	4	16	19S	31E		606165	3614009*	1452	120		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	2359	400		
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	2360	400		
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	3013	231		
CP 00873 POD1		CP	LE		1	1	19	19S	31E	601772	3613147*	3056	340	180	160
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	3226	200		
CP 00722 POD1	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	3226	200		
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	3427	139		
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	3877	220	140	80
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	4230	630		
CP 01864 POD1		CP	ED	4	2	1	34	19S	31E	607068	3609824	4301	110		
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	4625	630		
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	4902	350	65	285

Average Depth to Water: **128 feet**
 Minimum Depth: **65 feet**
 Maximum Depth: **180 feet**

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 604810.11

Northing (Y): 3613485.41

Radius: 5000.2

*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.

5/24/22 9:06 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



National Water Information System: Mapper Help Info





USGS Home
 Contact USGS
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 323810103554201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323810103554201 19S.30E.25.12133

Eddy County, New Mexico

Latitude 32°38'10", Longitude 103°55'42" NAD27

Land-surface elevation 3,248 feet above NAVD88

The depth of the well is 42 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1968-04-03			D 62610		3227.09	NGVD29	1		Z	
1968-04-03			D 62611		3228.60	NAVD88	1		Z	
1968-04-03			D 72019	19.40			1		Z	
1971-02-01			D 62610		3226.96	NGVD29	1		Z	
1971-02-01			D 62611		3228.47	NAVD88	1		Z	
1971-02-01			D 72019	19.53			1		Z	
1976-12-10			D 62610		3225.44	NGVD29	1		Z	
1976-12-10			D 62611		3226.95	NAVD88	1		Z	
1976-12-10			D 72019	21.05			1		Z	
1977-11-18			D 62610		3223.76	NGVD29	1		Z	
1977-11-18			D 62611		3225.27	NAVD88	1		Z	
1977-11-18			D 72019	22.73			1		Z	
1977-12-05			D 62610		3223.84	NGVD29	1		Z	
1977-12-05			D 62611		3225.35	NAVD88	1		Z	
1977-12-05			D 72019	22.65			1		Z	
1977-12-16			D 62610		3223.51	NGVD29	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1977-12-16			D 62611		3225.02	NAVD88	1		Z	
1977-12-16			D 72019	22.98			1		Z	
1977-12-20			D 62610		3223.80	NGVD29	1		Z	
1977-12-20			D 62611		3225.31	NAVD88	1		Z	
1977-12-20			D 72019	22.69			1		Z	
1978-01-18			D 62610		3223.12	NGVD29	1		Z	
1978-01-18			D 62611		3224.63	NAVD88	1		Z	
1978-01-18			D 72019	23.37			1		Z	
1978-02-03			D 62610		3223.92	NGVD29	1		Z	
1978-02-03			D 62611		3225.43	NAVD88	1		Z	
1978-02-03			D 72019	22.57			1		Z	
1978-02-23			D 62610		3223.99	NGVD29	1		Z	
1978-02-23			D 62611		3225.50	NAVD88	1		Z	
1978-02-23			D 72019	22.50			1		Z	
1978-03-30			D 62610		3224.02	NGVD29	1		Z	
1978-03-30			D 62611		3225.53	NAVD88	1		Z	
1978-03-30			D 72019	22.47			1		Z	
1978-05-04			D 62610		3223.84	NGVD29	1		Z	
1978-05-04			D 62611		3225.35	NAVD88	1		Z	
1978-05-04			D 72019	22.65			1		Z	
1978-05-22			D 62610		3223.53	NGVD29	1		Z	
1978-05-22			D 62611		3225.04	NAVD88	1		Z	
1978-05-22			D 72019	22.96			1		Z	
1978-06-08			D 62610		3223.60	NGVD29	1		Z	
1978-06-08			D 62611		3225.11	NAVD88	1		Z	
1978-06-08			D 72019	22.89			1		Z	
1978-07-17			D 62610		3224.47	NGVD29	1		Z	
1978-07-17			D 62611		3225.98	NAVD88	1		Z	
1978-07-17			D 72019	22.02			1		Z	
1978-08-17			D 62610		3223.46	NGVD29	1		Z	
1978-08-17			D 62611		3224.97	NAVD88	1		Z	
1978-08-17			D 72019	23.03			1		Z	
1978-09-27			D 62610		3223.49	NGVD29	1		Z	
1978-09-27			D 62611		3225.00	NAVD88	1		Z	
1978-09-27			D 72019	23.00			1		Z	
1978-12-14			D 62610		3224.82	NGVD29	1		Z	
1978-12-14			D 62611		3226.33	NAVD88	1		Z	
1978-12-14			D 72019	21.67			1		Z	
1979-01-17			D 62610		3224.86	NGVD29	1		Z	
1979-01-17			D 62611		3226.37	NAVD88	1		Z	
1979-01-17			D 72019	21.63			1		Z	
1979-02-14			D 62610		3224.93	NGVD29	1		Z	
1979-02-14			D 62611		3226.44	NAVD88	1		Z	
1979-02-14			D 72019	21.56			1		Z	
1979-03-14			D 62610		3224.90	NGVD29	1		Z	
1979-03-14			D 62611		3226.41	NAVD88	1		Z	
1979-03-14			D 72019	21.59			1		Z	
1983-01-18			D 62610		3233.72	NGVD29	1		Z	
1983-01-18			D 62611		3235.23	NAVD88	1		Z	
1983-01-18			D 72019	12.77			1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1994-03-18			D 62610		3223.99	NGVD29	1		S	
1994-03-18			D 62611		3225.50	NAVD88	1		S	
1994-03-18			D 72019	22.50			1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Agency code = usgs
 site_no list =

- 323807103510601

Minimum number of levels = 1

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USGS 323807103510601 19S.31E.27.214132

Eddy County, New Mexico
 Latitude 32°38'07", Longitude 103°51'06" NAD27
 Land-surface elevation 3,500 feet above NAVD88
 The depth of the well is 177 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-01-19			D 62610		3361.91	NGVD29	1		Z	
1983-01-19			D 62611		3363.47	NAVD88	1		Z	
1983-01-19			D 72019	136.53			1		Z	
1988-02-23			D 62610		3356.92	NGVD29	1		Z	
1988-02-23			D 62611		3358.48	NAVD88	1		Z	
1988-02-23			D 72019	141.52			1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

Section	Code	Description
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Agency code = usgs
 site_no list =

- 323803103510001

Minimum number of levels = 1

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USGS 323803103510001 19S.31E.27.21000

Eddy County, New Mexico

Latitude 32°38'03", Longitude 103°51'00" NAD27

Land-surface elevation 3,503 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1966-05-12			D	62610	3331.44	NGVD29	P		Z	
1966-05-12			D	62611	3333.00	NAVD88	P		Z	
1966-05-12			D	72019	170.00		P		Z	
1968-04-03			D	62610	3358.81	NGVD29	1		Z	
1968-04-03			D	62611	3360.37	NAVD88	1		Z	
1968-04-03			D	72019	142.63		1		Z	
1971-02-01			D	62610	3358.73	NGVD29	1		Z	
1971-02-01			D	62611	3360.29	NAVD88	1		Z	
1971-02-01			D	72019	142.71		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Agency code = usgs
 site_no list =

- 323810103511401

Minimum number of levels = 1
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USGS 323810103511401 19S.31E.27.214121

Eddy County, New Mexico
 Latitude 32°38'10", Longitude 103°51'14" NAD27
 Land-surface elevation 3,480 feet above NGVD29
 The depth of the well is 210.00 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1988-02-23			D 62610		3331.86	NGVD29			S	
1988-02-23			D 62611		3333.41	NAVD88			S	
1988-02-23			D 72019	148.14					S	
1994-03-18			D 62610		3313.01	NGVD29	P		S	
1994-03-18			D 62611		3314.56	NAVD88	P		S	
1994-03-18			D 72019	166.99			P		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

Section	Code	Description
Status		The reported water-level measurement represents a static level
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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TABLE

**Table 1 - Soil Analytical Results
Hackberry 16 SWD 1
Devon Inc.
Eddy County, NM**

Sample ID	Sample Depth (ft)	Date	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
CS1	5'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS2	5'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	32
CS3	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS4	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS5	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS6	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS7	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS8	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS9	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS10	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS11	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS12	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS13	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS14	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS15	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS16	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS17	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS18	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS19	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS20	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS21	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS22	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS23	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS24	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
Regulatory Limit						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

- exceeds regulatory limit

ft – feet

mg/kg – milligram per kilogram

TPH – total petroleum hydrocarbons

ft – feet

**Table 1 - Soil Analytical Results
Hackberry 16 SWD 1
Devon Inc.
Eddy County, NM**

Sample ID	Sample Depth (ft)	Date	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
CS25	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS26	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS27	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS28	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS29	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS30	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS31	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS32	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS33	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS34	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS35	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS36	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	32
CS37	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS38	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS39	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS40	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS41	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS42	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS43	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS44	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS45	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS46	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS47	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS48	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
Regulatory Limit						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

- exceeds regulatory limit

ft – feet

mg/kg – milligram per kilogram

TPH – total petroleum hydrocarbons

ft – feet

**Table 1 - Soil Analytical Results
Hackberry 16 SWD 1
Devon Inc.
Eddy County, NM**

Sample ID	Sample Depth (ft)	Date	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
CS49	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS50	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS51	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS52	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS53	1'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS54	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS55	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS56	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS57	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS58	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS59	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS60	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS61	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS62	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS63	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS64	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS65	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS66	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS67	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS68	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS69	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS70	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS71	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS72	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	144
Regulatory Limit						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

- exceeds regulatory limit

ft – feet

mg/kg – milligram per kilogram

TPH – total petroleum hydrocarbons

ft – feet

**Table 1 - Soil Analytical Results
Hackberry 16 SWD 1
Devon Inc.
Eddy County, NM**

Sample ID	Sample Depth (ft)	Date	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
CS73	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS74	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS75	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS76	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS77	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS78	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
CS79	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS80	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS81	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS82	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS83	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS84	4'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
CS85	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS86	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	96
CS87	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
CS88	3'	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW1	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	32
SW2	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	32
SW3	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	32
SW4	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW5	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW6	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW7	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW8	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
Regulatory Limit						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

- exceeds regulatory limit

ft – feet

mg/kg – milligram per kilogram

TPH – total petroleum hydrocarbons

ft – feet

**Table 1 - Soil Analytical Results
Hackberry 16 SWD 1
Devon Inc.
Eddy County, NM**

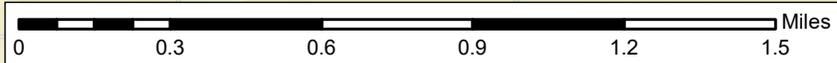
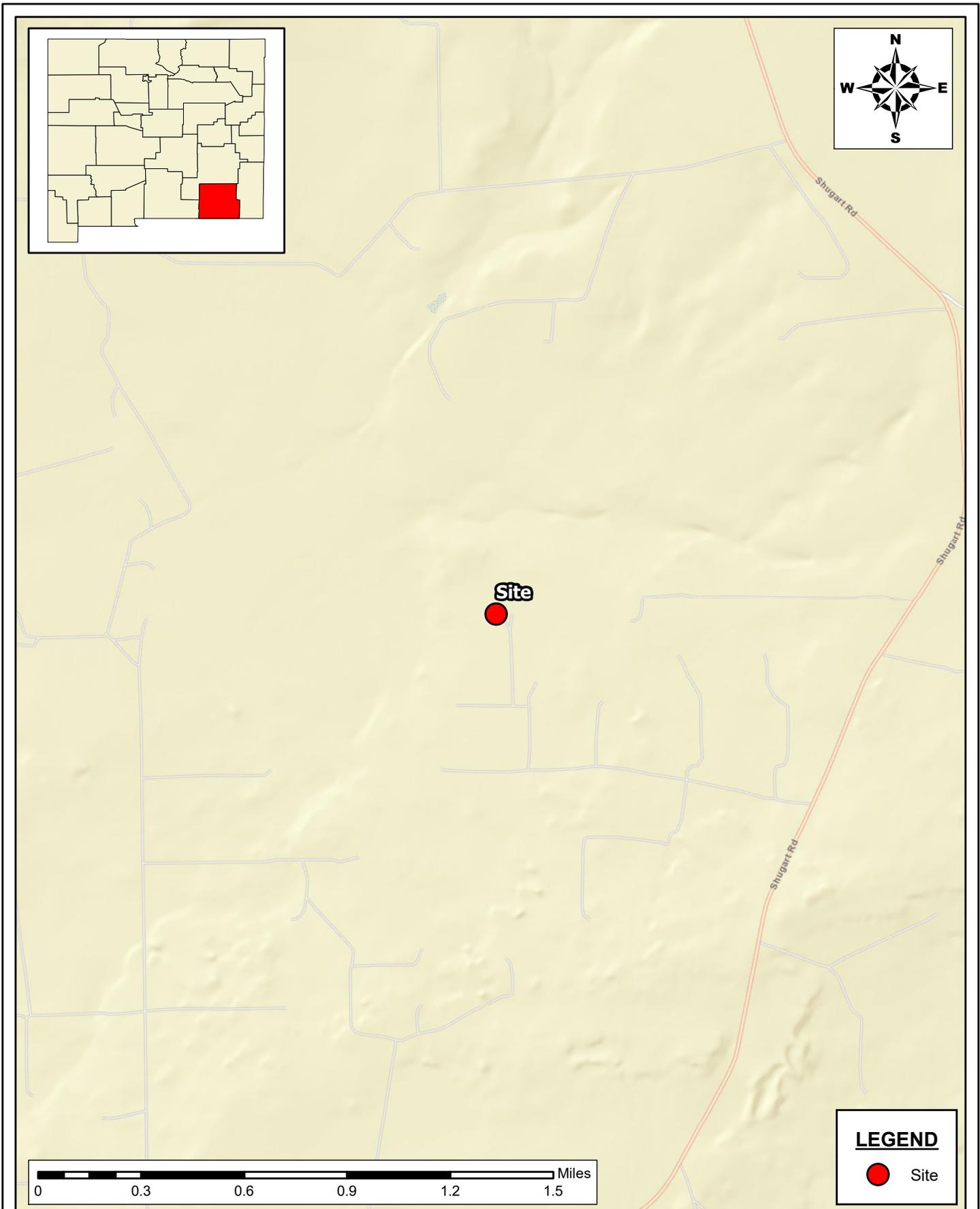
Sample ID	Sample Depth (ft)	Date	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
SW9	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	528
SW10	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW11	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
SW12	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW13	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW14	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
SW15	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
SW16	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	16
SW17	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
SW18	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW19	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW20	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW21	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW22	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
SW23	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
SW24	N/A	6/21/2022	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	64
Regulatory Limit						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

- exceeds regulatory limit

- ft – feet
- mg/kg – milligram per kilogram
- TPH – total petroleum hydrocarbons
- ft – feet

FIGURES

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LEGEND

● Site

SITE LOCATION MAP
SITE ASSESSMENT REPORT
 HACKBERRY 16 SWD
 DEVON. LLC
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 7/1/2022 PROJECT #: 225653

 **NTG**
 ENVIRONMENTAL

New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntgenviromental.com

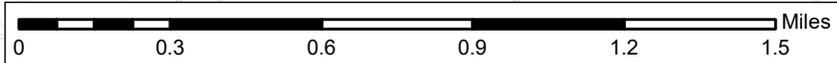
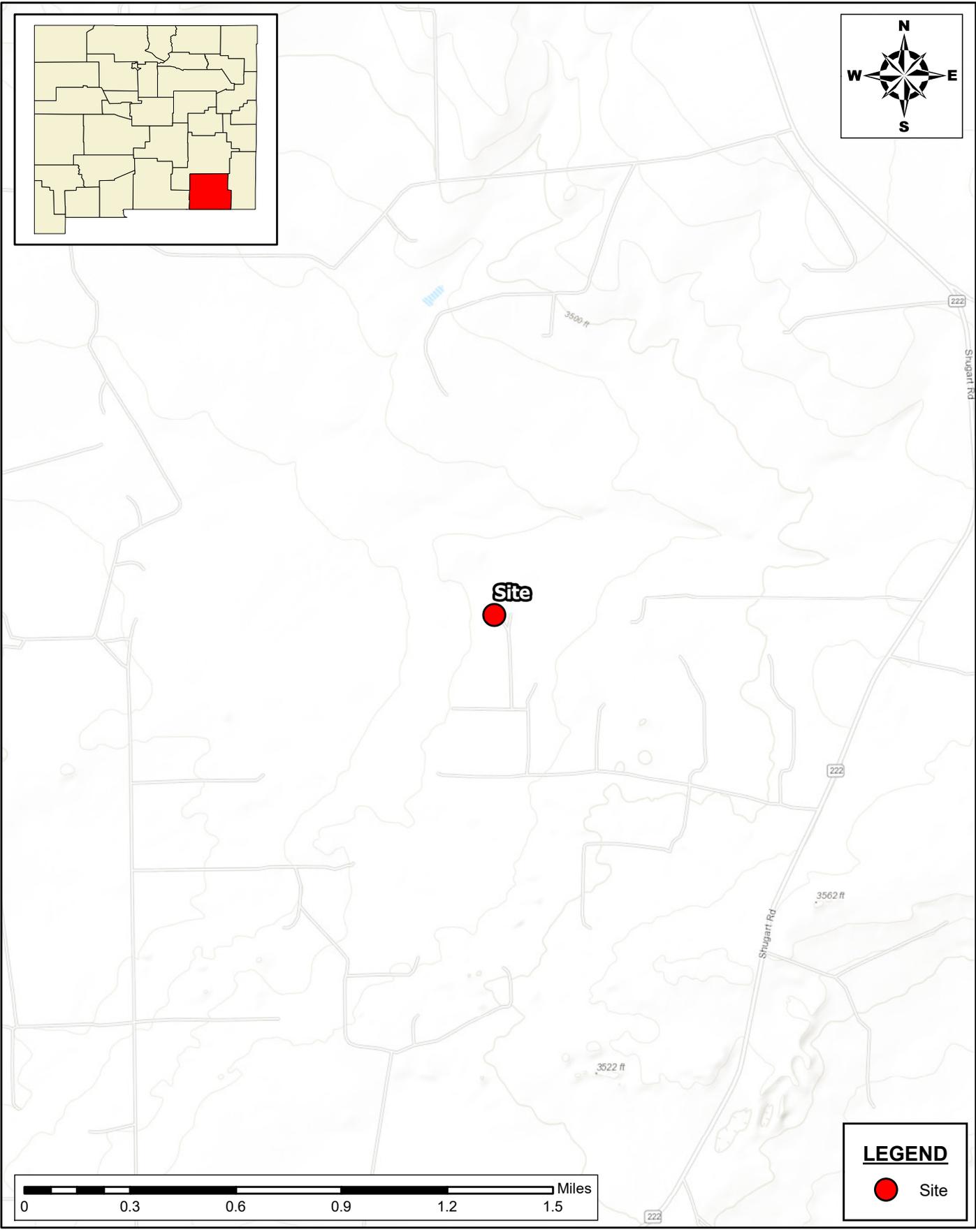
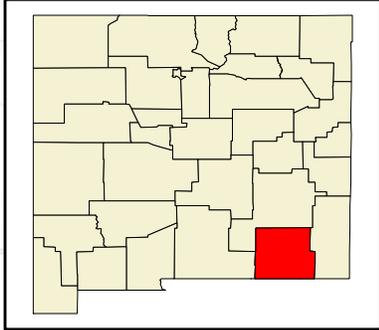
NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1

SHEET NUMBER:
1 of 1

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LEGEND

 Site

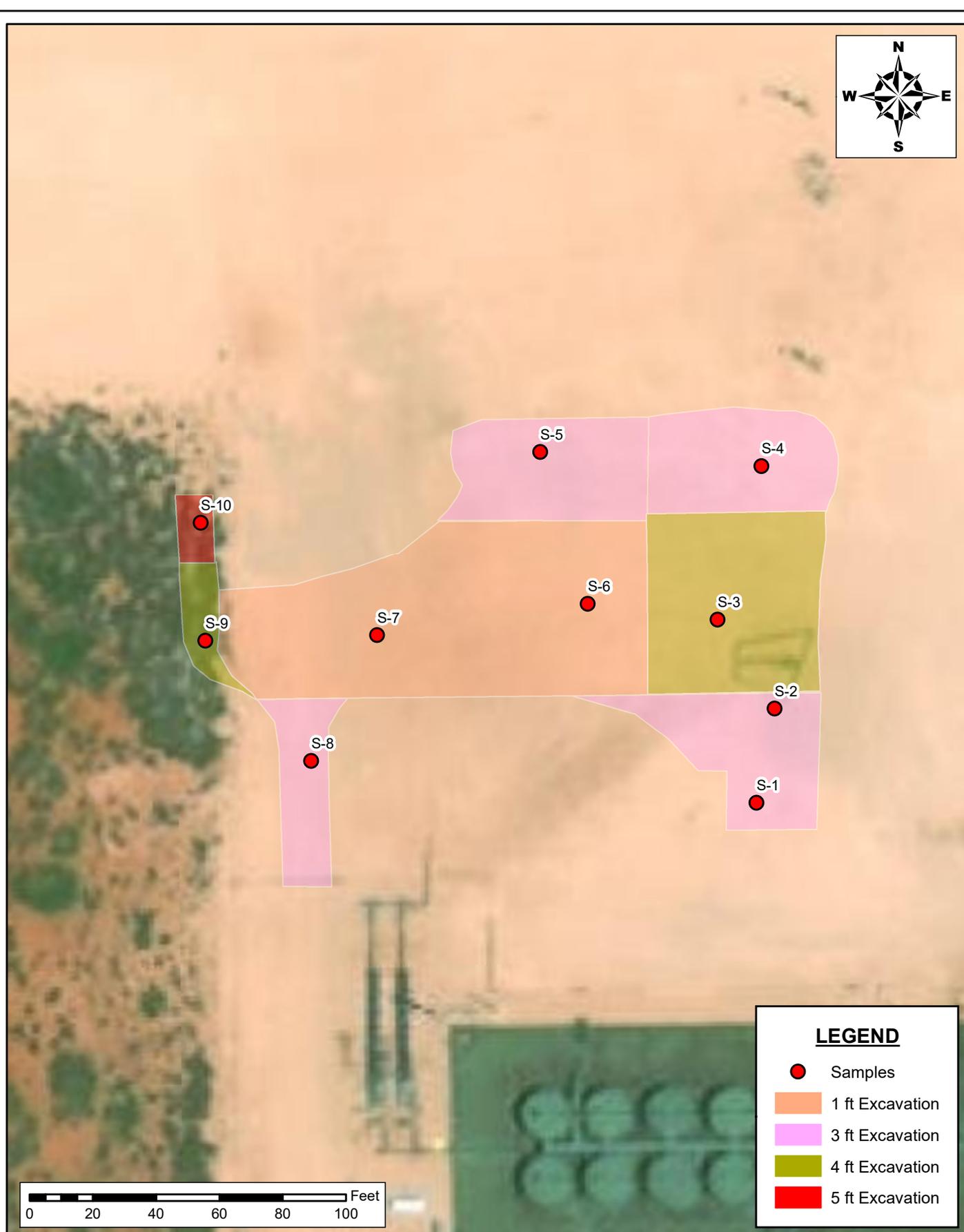
SITE LOCATION MAP
SITE ASSESSMENT REPORT
 HACKBERRY 16 SWD
 DEVON, LLC
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 7/1/2022 PROJECT #: 225653


New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
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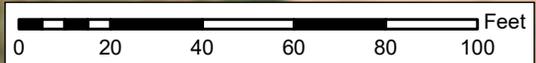
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 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 2
 SHEET NUMBER:
1 of 1



LEGEND

- Samples
- 1 ft Excavation
- 3 ft Excavation
- 4 ft Excavation
- 5 ft Excavation



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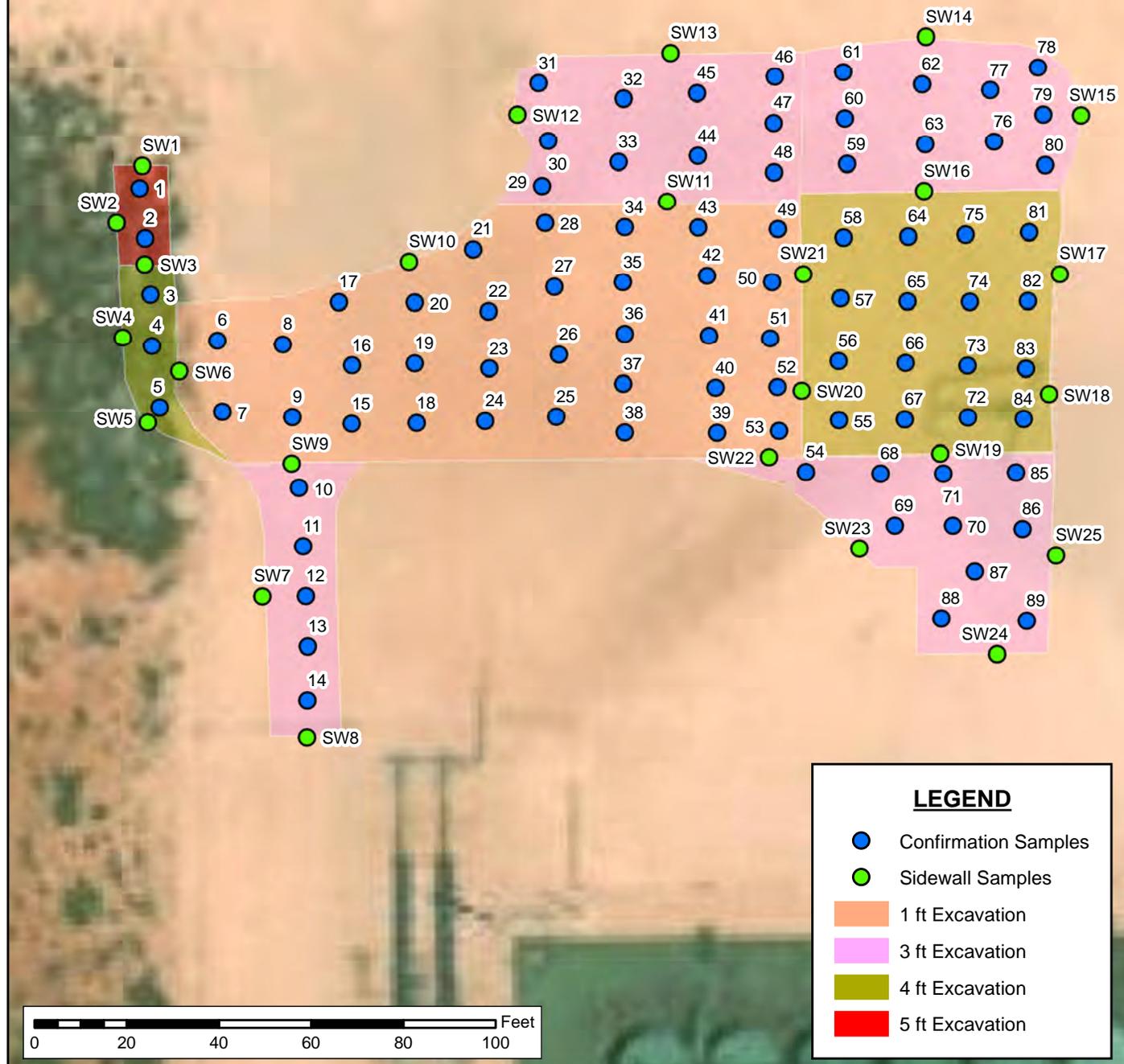
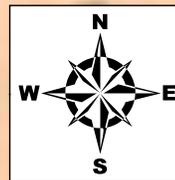
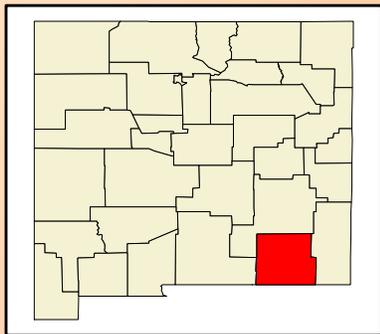
SITE LOCATION MAP
SITE ASSESSMENT REPORT
 HACKBERRY 16 SWD
 DEVON, LLC
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 7/1/2022 PROJECT #: 225653


New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
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 Web: www.ntgenvironmental.com

NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
 SHEET NUMBER:
1 of 1



LEGEND

- Confirmation Samples
- Sidewall Samples
- 1 ft Excavation
- 3 ft Excavation
- 4 ft Excavation
- 5 ft Excavation

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SITE LOCATION MAP
SITE ASSESSMENT REPORT
 HACKBERRY 16 SWD
 DEVON, LLC
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 7/1/2022 PROJECT #: 225653

NTG
 New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntgenviro.com

NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 4
 SHEET NUMBER:
1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.

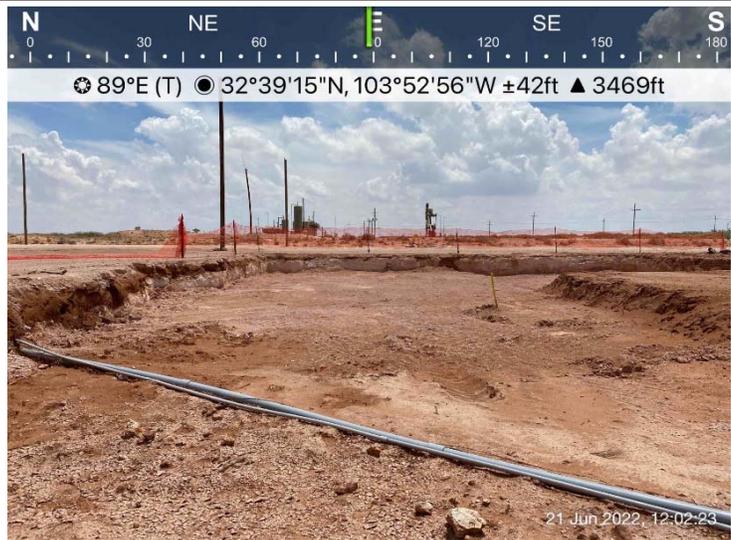


Photograph No. 2

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



Photograph No. 3

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.

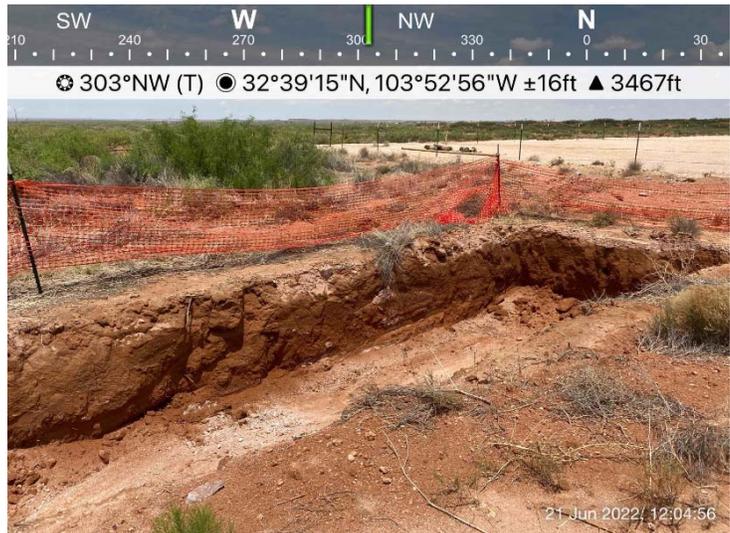


Photograph No. 5

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.

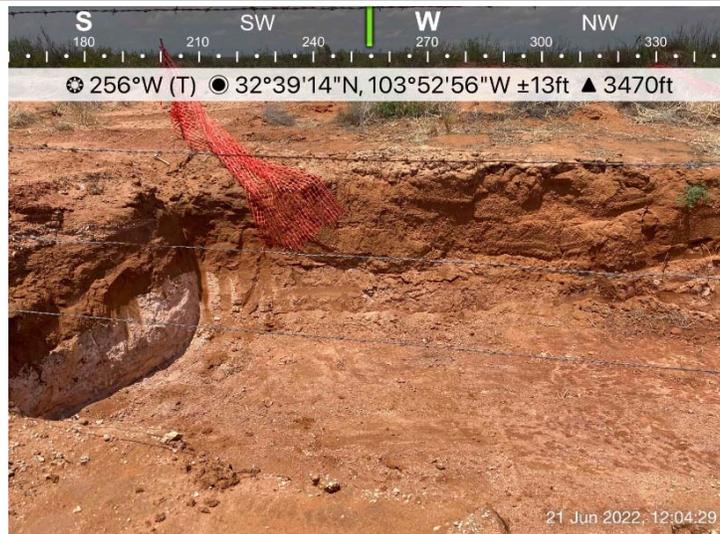


Photograph No. 6

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



PHOTOGRAPHIC LOG

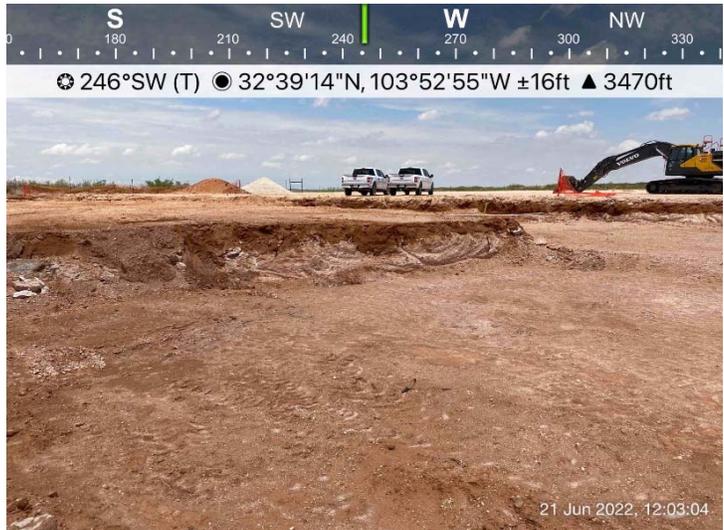
Devon Energy Production Company

Photograph No. 7

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.

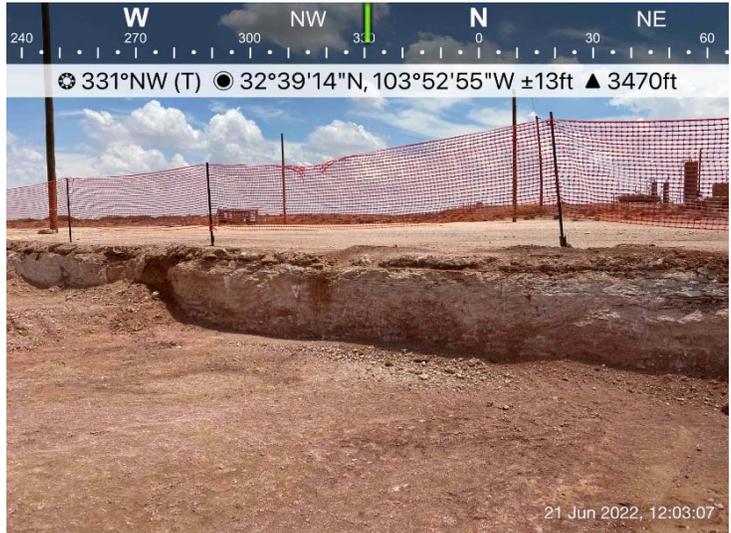


Photograph No. 8

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



Photograph No. 9

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 10

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



Photograph No. 11

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



Photograph No. 12

Facility: Hackberry 16 SWD

County: Eddy County, New Mexico

Description:
View of excavation.



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

June 22, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: HACKBERRY 16 SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/21/22 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 1 (H222646-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 2 (H222646-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/22/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 3 (H222646-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 4 (H222646-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09		
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	175	87.5	200	5.37		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	181	90.3	200	5.64		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 72.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.8 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 5 (H222646-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09		
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.1 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 6 (H222646-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09		
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.2 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 7 (H222646-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 81.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.8 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 8 (H222646-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.4 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 9 (H222646-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.0 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 10 (H222646-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 11 (H222646-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 74.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 12 (H222646-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 13 (H222646-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 14 (H222646-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.98	99.1	2.00	3.09	
Toluene*	<0.050	0.050	06/21/2022	ND	2.01	100	2.00	5.17	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.93	96.7	2.00	6.03	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.05	101	6.00	7.05	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 15 (H222646-15)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 16 (H222646-16)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 17 (H222646-17)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 18 (H222646-18)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 19 (H222646-19)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 20 (H222646-20)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	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	06/22/2022	ND	175	87.5	200	5.37	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	181	90.3	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 79.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 21 (H222646-21)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	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	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 22 (H222646-22)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	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	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 23 (H222646-23)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	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	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 24 (H222646-24)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	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	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 25 (H222646-25)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.2 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 26 (H222646-26)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 27 (H222646-27)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 28 (H222646-28)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.3 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 29 (H222646-29)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.5 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 30 (H222646-30)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 31 (H222646-31)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.5 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 32 (H222646-32)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 33 (H222646-33)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/21/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 34 (H222646-34)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	0.382	
Toluene*	<0.050	0.050	06/22/2022	ND	2.03	101	2.00	0.287	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.01	101	2.00	0.133	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.23	104	6.00	0.550	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 35 (H222646-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 36 (H222646-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 37 (H222646-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 38 (H222646-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 39 (H222646-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 40 (H222646-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	204	102	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	207	103	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 93.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.2 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 41 (H222646-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.8 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 42 (H222646-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 73.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.9 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 43 (H222646-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.4 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 44 (H222646-44)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 45 (H222646-45)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/22/2022	ND	432	108	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 46 (H222646-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 71.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 47 (H222646-47)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 48 (H222646-48)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.4 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 49 (H222646-49)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 50 (H222646-50)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.4 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 51 (H222646-51)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 75.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 52 (H222646-52)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 53 (H222646-53)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 54 (H222646-54)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.93	96.7	2.00	0.596	
Toluene*	<0.050	0.050	06/22/2022	ND	1.95	97.6	2.00	0.385	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.85	92.7	2.00	0.907	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.77	96.1	6.00	1.12	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.9 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 55 (H222646-55)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	QM-07
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.9 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 56 (H222646-56)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 57 (H222646-57)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70		
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 82.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.9 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 58 (H222646-58)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 80.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.7 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 59 (H222646-59)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 60 (H222646-60)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	191	95.3	200	0.0488	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	189	94.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H222646

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments

Program: UST/PST PRF Brownfield R Superfund

State of Project: Level I Level II Level III PST/UST TRR Level IV

Reporting Level: EDD ADAPT Other:

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush					
Hackberry 16 SWD	225653	Eddy Co. NM	Ethan Sessums	20942196	<input type="checkbox"/> Wet Ice	<input checked="" type="checkbox"/> No	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
SAMPLE RECEIPT					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113			
Received In tact:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.5%				
Cooler Custody Seals:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	4.4°C				
Sample Custody Seals:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	3.9°C				
Total Containers:											
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont				
CS1		6/21/2022		X		Comp	1	X	X	X	
CS2		6/21/2022		X		Comp	1	X	X	X	
CS3		6/21/2022		X		Comp	1	X	X	X	
CS4		6/21/2022		X		Comp	1	X	X	X	
CS5		6/21/2022		X		Comp	1	X	X	X	
CS6		6/21/2022		X		Comp	1	X	X	X	
CS7		6/21/2022		X		Comp	1	X	X	X	
CS8		6/21/2022		X		Comp	1	X	X	X	
CS9		6/21/2022		X		Comp	1	X	X	X	
CS10		6/21/2022		X		Comp	1	X	X	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6-21-22 1435			



Chain of Custody

Work Order No: H222046

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Program:	UST/PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> Rf <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRF <input type="checkbox"/> Level N <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			ANALYSIS REQUEST	Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500		
CS11	6/21/2022		X		Comp	1	X	X	X		
CS12	6/21/2022		X		Comp	1	X	X	X		
CS13	6/21/2022		X		Comp	1	X	X	X		
CS14	6/21/2022		X		Comp	1	X	X	X		
CS15	6/21/2022		X		Comp	1	X	X	X		
CS16	6/21/2022		X		Comp	1	X	X	X		
CS17	6/21/2022		X		Comp	1	X	X	X		
CS18	6/21/2022		X		Comp	1	X	X	X		
CS19	6/21/2022		X		Comp	1	X	X	X		
CS20	6/21/2022		X		Comp	1	X	X	X		

Project Name:	Hackberry 16 SWD	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:	225653	Due Date:	
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Ethan Sessums	PO #:	20942196
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Correction Factor:	113
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>	Temperature Reading:	-0.5°C
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/>	Corrected Temperature:	7.4°C
Total Containers:			8.9°C

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	2 <i>[Signature]</i>	6-21-22 1435	3 <i>[Signature]</i>	4 <i>[Signature]</i>	
4	5		6		



Chain of Custody

Work Order No: 1922646

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave Carlsbad, NM 88220	Address:	6488 Seven Rivers Highway Artesia, NM 88210
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRF <input type="checkbox"/> Level N <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Due Date:	TAT starts the day received by the lab, if received by 4:30pm	Wet Ice:	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:	Parameters			Preservative Codes		
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush								Yes	No	Yes		No	Comp
Hackberry 16 SWD	225653	Eddy Co. NM	Ethan Sessums	20942196					Yes	No	113	-0.5	4.4	3.9	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Grab/Comp												Sample Comments
CS21	6/21/2022		X		Comp	1	X												
CS22	6/21/2022		X		Comp	1	X												
CS23	6/21/2022		X		Comp	1	X												
CS24	6/21/2022		X		Comp	1	X												
CS25	6/21/2022		X		Comp	1	X												
CS26	6/21/2022		X		Comp	1	X												
CS27	6/21/2022		X		Comp	1	X												
CS28	6/21/2022		X		Comp	1	X												
CS29	6/21/2022		X		Comp	1	X												
CS30	6/21/2022		X		Comp	1	X												

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6-21-22 1435			



Chain of Custody

Work Order No: HA220646

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superf <input type="checkbox"/>	
State of Project:	
Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRR <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes	Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500		
CS31	6/21/2022		X		Comp	1	X	X	X		
CS32	6/21/2022		X		Comp	1	X	X	X		
CS33	6/21/2022		X		Comp	1	X	X	X		
CS34	6/21/2022		X		Comp	1	X	X	X		
CS35	6/21/2022		X		Comp	1	X	X	X		
CS36	6/21/2022		X		Comp	1	X	X	X		
CS37	6/21/2022		X		Comp	1	X	X	X		
CS38	6/21/2022		X		Comp	1	X	X	X		
CS39	6/21/2022		X		Comp	1	X	X	X		
CS40	6/21/2022		X		Comp	1	X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: 12220646

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund	
State of Project:	
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRF <input type="checkbox"/> Level N	
Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush					
Hackberry 16 SWD	225653	Eddy Co. NM	Ethan Sessums	20942196	<input type="checkbox"/>	<input checked="" type="checkbox"/>	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
SAMPLE RECEIPT					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received In tact:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Cooler Custody Seals:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Sample Custody Seals:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Total Containers:											
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont					
CSA1	6/21/2022		X		Comp	1	X	X	X		
CSA2	6/21/2022		X		Comp	1	X	X	X		
CSA3	6/21/2022		X		Comp	1	X	X	X		
CSA4	6/21/2022		X		Comp	1	X	X	X		
CSA5	6/21/2022		X		Comp	1	X	X	X		
CSA6	6/21/2022		X		Comp	1	X	X	X		
CSA7	6/21/2022		X		Comp	1	X	X	X		
CSA8	6/21/2022		X		Comp	1	X	X	X		
CSA9	6/21/2022		X		Comp	1	X	X	X		
CS50	6/21/2022		X		Comp	1	X	X	X		

Additional Comments:

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Chain of Custody

Work Order No: 4322646

Page 6 of 12

Page 68 of 68

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRF <input type="checkbox"/> Level N <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500		
Hackberry 16 SWD	225653	Eddy Co. NM	Ethan Sessums	20942196	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Due Date: TAT starts the day received by the lab, if received by 4:30pm					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	11.3	Parameters			None: NO
Cooler Custody Seals:					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.5°C				DI Water: H ₂ O	
Sample Custody Seals:					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	4.4°C				Cool: Cool	
Total Containers:					Corrected Temperature:	3.9°C				HCL: HC		
										H ₂ SO ₄ : H ₂		
										H ₃ PO ₄ : HP		
										NaHSO ₄ : NABIS		
										Na ₂ S ₂ O ₃ : NaSO ₃		
										Zn Acetate+NaOH: Zn		
										NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont				Sample Comments		
CS51	6/21/2022		X		Comp	1	X	X	X			
CS52	6/21/2022		X		Comp	1	X	X	X			
CS53	6/21/2022		X		Comp	1	X	X	X			
CS54	6/21/2022		X		Comp	1	X	X	X			
CS55	6/21/2022		X		Comp	1	X	X	X			
CS56	6/21/2022		X		Comp	1	X	X	X			
CS57	6/21/2022		X		Comp	1	X	X	X			
CS58	6/21/2022		X		Comp	1	X	X	X			
CS59	6/21/2022		X		Comp	1	X	X	X			
CS60	6/21/2022		X		Comp	1	X	X	X			

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



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

June 22, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: HACKBERRY 16 SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/21/22 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 61 (H222647-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 62 (H222647-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.0 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 63 (H222647-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 64 (H222647-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 65 (H222647-05)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.5 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 66 (H222647-06)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.4 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 67 (H222647-07)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.2 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 68 (H222647-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 69 (H222647-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.0 % 59.5-142

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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 70 (H222647-10)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 76.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 71 (H222647-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 72 (H222647-12)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 73 (H222647-13)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 74 (H222647-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	1.70	
Toluene*	<0.050	0.050	06/22/2022	ND	2.00	99.9	2.00	2.32	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.20	103	6.00	3.68	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 75 (H222647-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 76 (H222647-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 85.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 77 (H222647-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 86.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 78 (H222647-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 83.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 79 (H222647-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.0 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 80 (H222647-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	187	93.5	200	6.59	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	182	90.8	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.0 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 81 (H222647-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/22/2022	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	06/22/2022	ND	238	119	200	5.56	QM-07
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	QM-07, QR-03
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 82 (H222647-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/22/2022	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	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 83 (H222647-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.6 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 84 (H222647-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2022	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	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 79.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.0 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 85 (H222647-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/22/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 86 (H222647-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 87 (H222647-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/22/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 72.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS 88 (H222647-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.0 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 1 (H222647-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 2 (H222647-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 3 (H222647-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 4 (H222647-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33		
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/22/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 84.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 5 (H222647-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.00	99.8	2.00	2.33	
Toluene*	<0.050	0.050	06/22/2022	ND	2.02	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.93	96.4	2.00	2.80	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.99	99.9	6.00	2.52	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 6 (H222647-35)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 66.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 7 (H222647-36)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84		
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/22/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 83.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 8 (H222647-37)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 9 (H222647-38)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 10 (H222647-39)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84		
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/22/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 77.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 11 (H222647-40)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	238	119	200	5.56	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	251	125	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.7 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 12 (H222647-41)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.6 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 13 (H222647-42)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.5 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 14 (H222647-43)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84		
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/22/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 78.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 15 (H222647-44)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 68.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.5 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 16 (H222647-45)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 69.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.1 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 17 (H222647-46)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84		
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93		
Total BTEX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75		
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 94.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 18 (H222647-47)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.0 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 19 (H222647-48)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.3 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 20 (H222647-49)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 70.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.1 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 21 (H222647-50)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 69.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.9 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 22 (H222647-51)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 68.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.1 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 23 (H222647-52)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 71.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.3 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 24 (H222647-53)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.0 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	06/21/2022	Sampling Date:	06/21/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	HACKBERRY 16 SWD	Sampling Condition:	Cool & Intact
Project Number:	225653	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW 25 (H222647-54)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	1.94	97.1	2.00	3.84	
Toluene*	<0.050	0.050	06/22/2022	ND	1.93	96.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	1.92	95.8	2.00	1.65	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	5.94	98.9	6.00	1.93	
Total BTEX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	173	86.5	200	4.75	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	164	82.2	200	8.26	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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.
A-01 CCV biased high. All associated samples ND.
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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 8029047

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave Carlsbad, NM 88220	Address:	6488 Seven Rivers Highway Artesia, NM 88210
City, State ZIP	Carlsbad, NM 88220	City, State ZIP	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dun.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> Prf <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superf
State of Project:	
Reporting Level: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRR <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Hackberry 16 SWD	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	225653	Due Date:			
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Ethan Sessums				
PO #:	20942196				
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.5%		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	4.4°C		
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	3.9°C		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS71	6/21/2022		X		Comp	1	X	X	X	
CS72	6/21/2022		X		Comp	1	X	X	X	
CS73	6/21/2022		X		Comp	1	X	X	X	
CS74	6/21/2022		X		Comp	1	X	X	X	
CS75	6/21/2022		X		Comp	1	X	X	X	
CS76	6/21/2022		X		Comp	1	X	X	X	
CS77	6/21/2022		X		Comp	1	X	X	X	
CS78	6/21/2022		X		Comp	1	X	X	X	
CS79	6/21/2022		X		Comp	1	X	X	X	
CS80	6/21/2022		X		Comp	1	X	X	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6-21-22 1435			



Chain of Custody

Work Order No: 192201047

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Project Manager:	Ethan Sessums	Bill to: (if different):	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave Carlsbad, NM 88220	Address:	6488 Seven Rivers Highway Artesia, NM 88210
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dun.com

Program:	UST/PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRR <input type="checkbox"/> Level N <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Hackberry 16 SWD	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	225653	Due Date:			
Project Location:	Eddy Co. NM	TAT starts the day received by the lab. If received by 4:30pm			
Sampler's Name:	Ethan Sessums				
PO #:	20942196				
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS81	6/21/2022		X		Comp	1	X	X	X	
CS82	6/21/2022		X		Comp	1	X	X	X	
CS83	6/21/2022		X		Comp	1	X	X	X	
CS84	6/21/2022		X		Comp	1	X	X	X	
CS85	6/21/2022		X		Comp	1	X	X	X	
CS86	6/21/2022		X		Comp	1	X	X	X	
CS87	6/21/2022		X		Comp	1	X	X	X	
CS88	6/21/2022		X		Comp	1	X	X	X	
CS89	6/21/2022		X		Comp	1	X	X	X	NO sample to 6/21/22

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: 10021047

Page 10 of 12

Project Manager: Ethan Sessums
 Company Name: NTG Environmental
 Address: 402 E Wood Ave
 City, State Zip: Carlsbad, NM 88220
 Phone: 254-266-5456

Bill to: (if different)
 Company Name: Wesley Mathews
 Address: 6488 Seven Rivers Highway
 City, State Zip: Artesia, NM 88210
 Email: Wesley.Mathews@dun.com

Work Order Comments
 Program: PST PRF Brownfield R Superfund
 State of Project:
 Reporting Level: Level II Level III PST/UST TRR Level N
 Deliverables: EDD ADAPT Other:

Project Name: Hackberry 16 SWD
 Project Number: 225653
 Project Location: Eddy Co. NM
 Sampler's Name: Ethan Sessums
 PO #: 20942196

Turn Around: Routine Rush
 Due Date: TAT starts the day received by the lab, if received by 4:30pm

SAMPLE RECEIPT
 Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: N/A

Temp Blank: Yes No
 Thermometer ID: 113
 Correction Factor: -0.5
 Temperature Reading: 4.4
 Corrected Temperature: 3.9

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
SW1	6/21/2022		X		Comp	1	X	X	X	
SW2	6/21/2022		X		Comp	1	X	X	X	
SW3	6/21/2022		X		Comp	1	X	X	X	
SW4	6/21/2022		X		Comp	1	X	X	X	
SW5	6/21/2022		X		Comp	1	X	X	X	
SW6	6/21/2022		X		Comp	1	X	X	X	
SW7	6/21/2022		X		Comp	1	X	X	X	
SW8	6/21/2022		X		Comp	1	X	X	X	
SW9	6/21/2022		X		Comp	1	X	X	X	
SW10	6/21/2022		X		Comp	1	X	X	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: 19222047

page 11 of 12

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superf
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRF <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
SW11	6/21/2022		X		Comp	1	X	X	X	
SW12	6/21/2022		X		Comp	1	X	X	X	
SW13	6/21/2022		X		Comp	1	X	X	X	
SW14	6/21/2022		X		Comp	1	X	X	X	
SW15	6/21/2022		X		Comp	1	X	X	X	
SW16	6/21/2022		X		Comp	1	X	X	X	
SW17	6/21/2022		X		Comp	1	X	X	X	
SW18	6/21/2022		X		Comp	1	X	X	X	
SW19	6/21/2022		X		Comp	1	X	X	X	
SW20	6/21/2022		X		Comp	1	X	X	X	

Additional Comments:

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Chain of Custody

Work Order No: 12221047

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: <input type="checkbox"/> PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRR <input type="checkbox"/> Level N <input type="checkbox"/>
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRR <input type="checkbox"/> Level N <input type="checkbox"/>	Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Hackberry 16 SWD	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	225653	Due Date:			
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Ethan Sessums				
PO #:	20942196				

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Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
SW21	6/21/2022		X		Comp	1	X	X	X	
SW22	6/21/2022		X		Comp	1	X	X	X	
SW23	6/21/2022		X		Comp	1	X	X	X	
SW24	6/21/2022		X		Comp	1	X	X	X	
SW25	6/21/22		X		Comp	1	X	X	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

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 147588

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 147588
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/23/2022