

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 July 11, 2022 Page 2 of 2

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

NTGE Project No.: 225653



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: esessums@ntglobal.com
http://www.ntgenvironmental.com/





Initial Assessment

This is your assessment report for the <u>Hackberry 16 SWD 1</u>. 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.

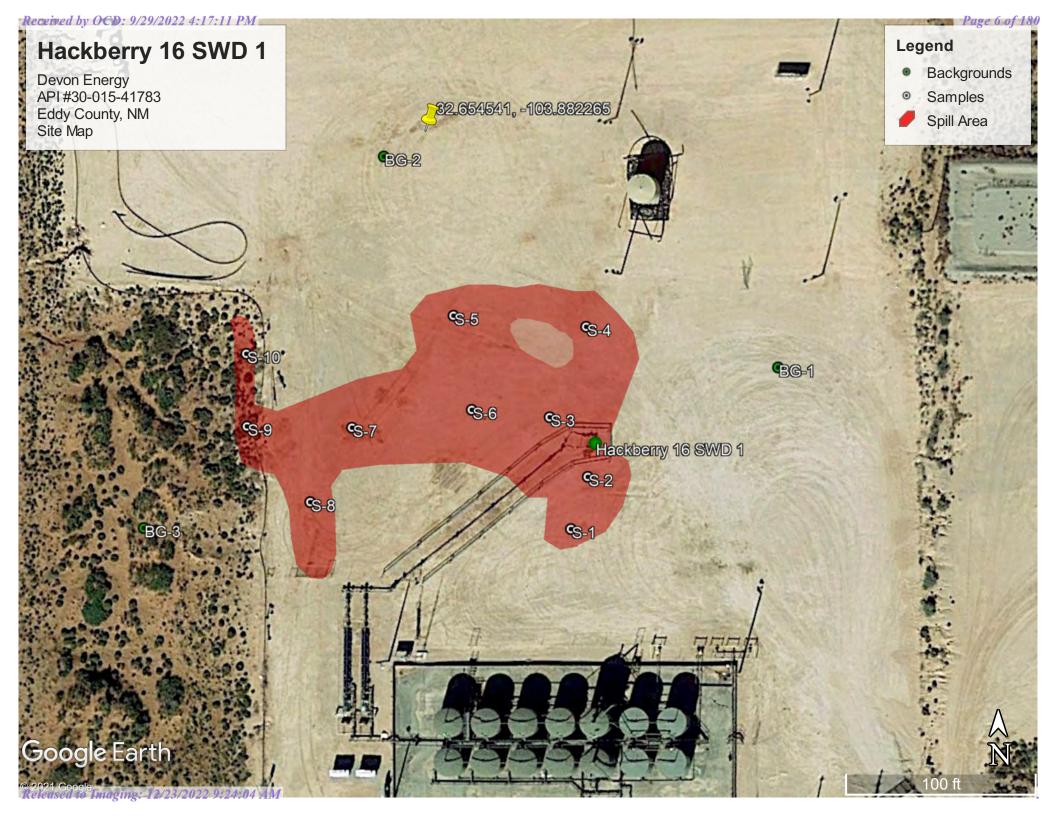
Thank you for your time,

Tom Bynum

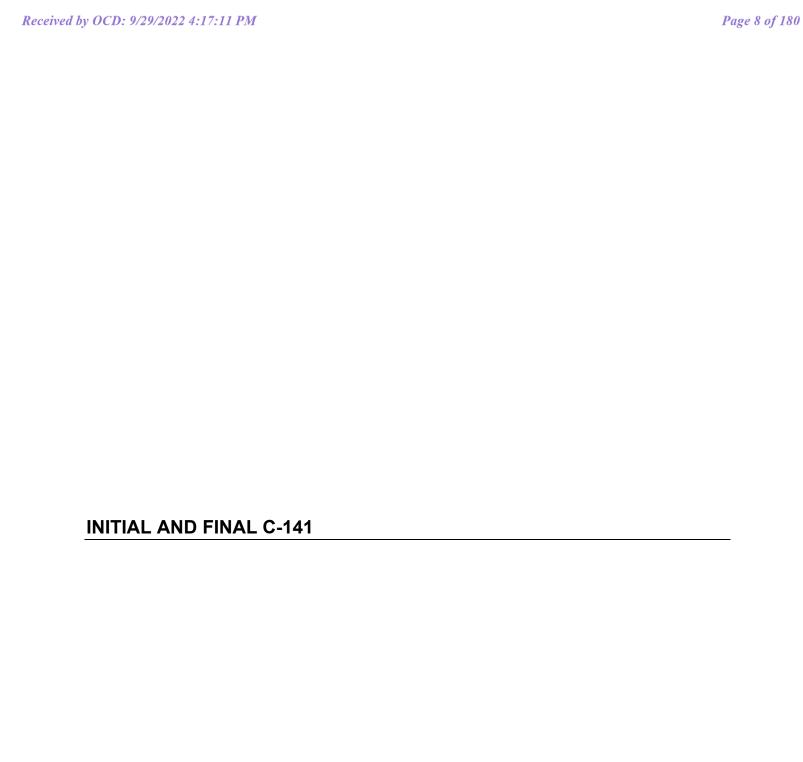
Tom Bynum – Project Manager 580-748-1613

Pima Environmental Services, LLC

P



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
		DEV	ON ENERGY	/ - HACKBI	ERRY 16 SW	/D 1		
Date: 4/5/2021				NM Appro	oved Labora	atory Resu	ılts	
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
	0-6"							8880
S-2	1'							1380
	0-6"							25200
S-3	4'							21400
	0-6"							19400
S-4	1'							1230
	1'							1250
S-5	3'							320
S-6	0-6"							15200
3-0	1'							240
S-7	0-6"							15200
3-7	1'							608
S-8	1'							9200
3-0	3'							176
S-9	3'							11700
3-9	4'				<u> </u>			12800



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	OGRID			
Contact Name			Contact To	Contact Telephone			
Contact email				Incident #	Incident # (assigned by OCD)		
Contact mail	ing address			-			
			Location	of Release So	ource		
Latitude				Longitude			
			(NAD 83 in de	cimal degrees to 5 decin	nal places)		
Site Name				Site Type			
Date Release	Discovered			API# (if app	olicable)		
Unit Letter	Section	Township	Range	Cour	ntv]	
Ont Letter	Section	Township	runge	Cour	11.7		
Surface Owner	r: State	☐ Federal ☐ Tr	ibal Private (I	Name:)	
			Nature and	d Volume of 1	Release		
Crude Oil	Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) Volume Recovered (bbls)						
Produced	Water	Volume Release	` '		Volume Recovered (bbls)		
			ion of total dissol	ved solids (TDS)	Yes No		
		in the produced	water >10,000 mg				
Condensa	te	Volume Release	d (bbls)		Volume Reco	vered (bbls)	
Natural G	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)			e units)	Volume/Weig	tht Recovered (provide units)		
Cause of Rele	ease						

Received by OCD: 9/29/2022 4:17:11 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

Pas	ge 1	0 0	f 1	80
	,			

Incident ID	NAPP2111132670
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?				
19.15.29.7(A) NMAC?					
☐ Yes ☐ No					
If YES, was immediate no	otice 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				
☐ The source of the rele	ease has been stopped.				
☐ The impacted area ha	as been secured to protect human health and the environment.				
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.				
All free liquids and re	ecoverable materials have been removed and managed appropriately.				
If all the actions described above have <u>not</u> been undertaken, explain why:					
has begun, please attach	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.				
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and				
public health or the environr	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have				
	gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In if a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws				
Printed Name:	Title:				
Signature: Kendra	De Hoyos Date:				
email:	Telephone:				
OCD Only					
Received by: Ramona	Marcus Date: <u>5/9/2021</u>				

NAPP2111132670

Spill Volume(Bbls) Calculator Inputs in blue, Outputs in red					
Co	Contaminated Soil measurement				
Area (squ	are feet)	Depth(inches)			
6996	.542	0.500			
Cubic Feet of S	Soil Impacted	<u>291.523</u>			
Barrels of So	il Impacted	<u>51.96</u>			
Soil T	уре	Clay/Sand			
Barrels of Oil Assuming 100% Saturation		7.79			
Saturation	Fluid pre	sent with shovel/backhoe			
Estimated Ba Relea		7.79			
	ng Fluid Only				
Area (squ	are feet)	Depth(inches)			
<u>0</u>		0.000			
Standing fluid		0.000			
Total fluids spilled		7.795			

New Mexico

Incident ID	NAPP2111132670
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	120' (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ 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?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No		
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil		
Characterization Report Checklist: Each of the following items must be included in the report.			
 \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well \infty Field data 	ls.		
☐ 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			
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐			
M Paporatory 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.

Received by OCD: 9/29/2022 4:17:11 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 13 0J 18
Incident ID	NAPP2111132670
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Application ID

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the 6 failed to adequately investigate and remediate contamination that pose a thruaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Wesley Mathews	EHS Professional Title:
Signature: Wesley Mathews	Date:
email:Wesley.Mathews@dvn.com	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date: 09/30/2022

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Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.						
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)							
Deferral Requests Only: Each of the following items must be conjugated	firmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility						
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 rules and regulations all operators are required to report and/or file complete which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lateral states are supported by the surface water, but any other federal state, or local lateral states are supported by the support of	ertain release notifications and perform corrective actions for releases ace of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of						
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 with Attached Conditions of A	Approval						
Signature:	Date: 12/23/2022						

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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	tems must be included in the closure report.							
A scaled site and sampling diagram as described in 19.15.29.11 NMAC								
Nhotographs 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								
and regulations all operators are required to report and/or file certal may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in							
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							
	of liability should their operations have failed to adequately investigate and 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.							



Devon Energy - Hackberry 16 SWD No. 1 Sec 16 T19S R31E Unit M 32.654022°, -103.882041° Eddy County, New Mexico

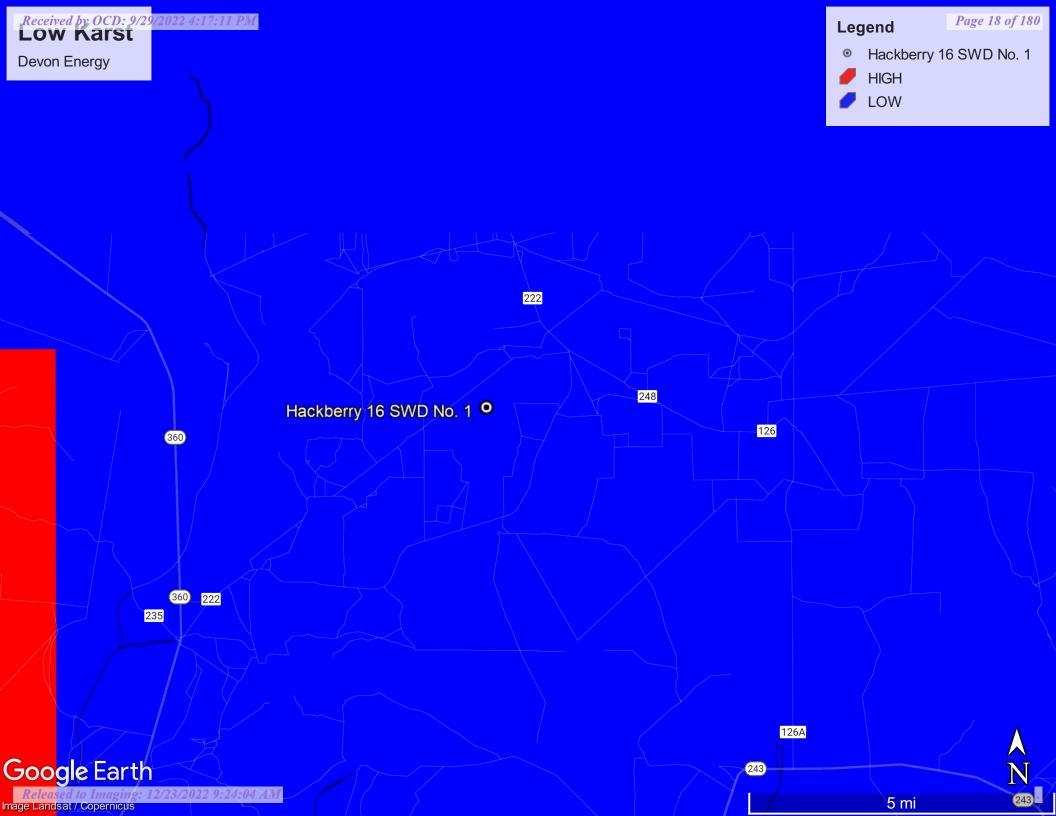
Site Characterization

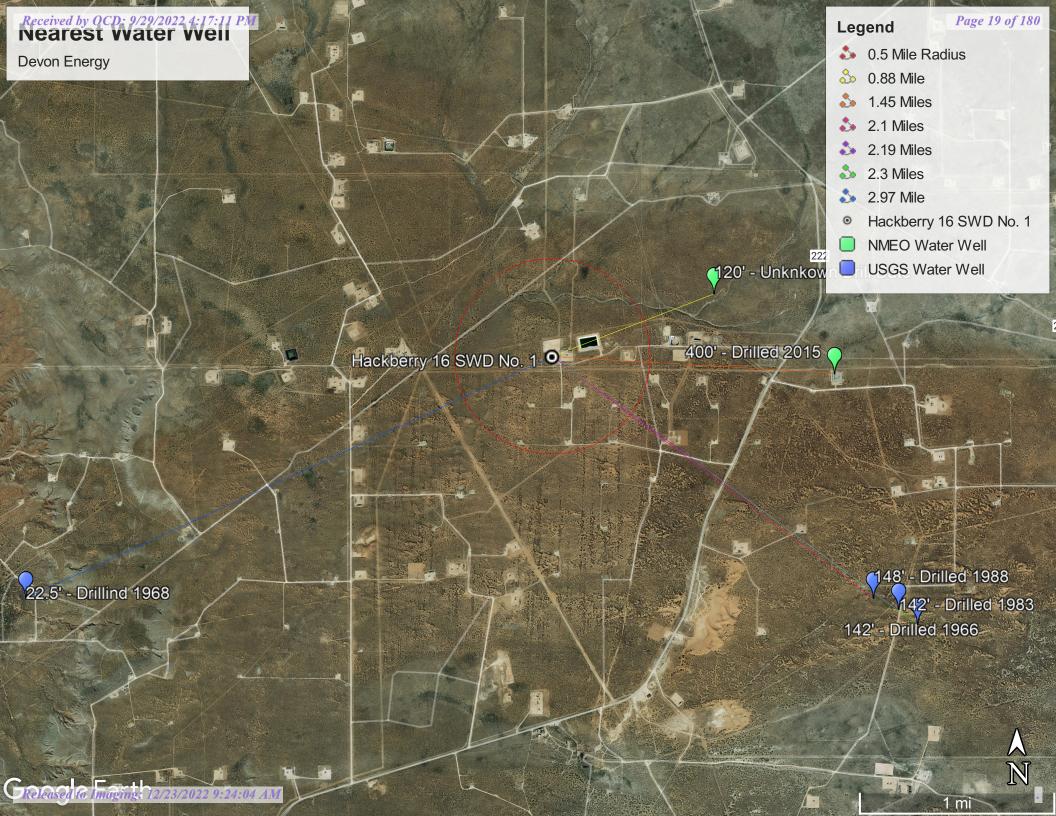
- -No water features within specified distances of 1/2 mile radius
- -Low Karst
- -NMSEO Groundwater is 120' below surface, 0.88 miles northeast of the site, Unknown Date, Section 16
- -USGS Groundwater is 390.27' below surface, 1.41 miles Northeast of the site, 1966 drilled, Section 2
- -USGS Groundwater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

RRALs due to insufficient groundwater data

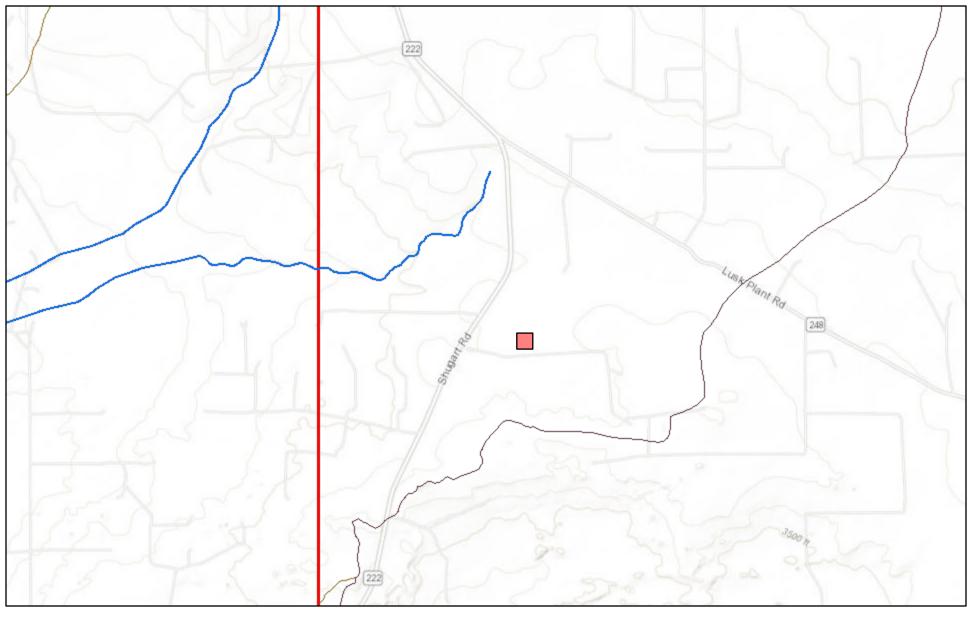
- -Chlorides 600 mg/kg
- -TPH GRO+DRO+MRO 100 mg/kg
- -BTEX 50 mg/kg
- -Benzene 10 mg/kg

X: 604810.110 Y: 3613485.41





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,



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

CP 00829 POD1 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:

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, or suitability for any particular purpose of the data.

5/24/22 9:31 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



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

CP 01554 POD1 22 19S 31E

3613354 607166

Driller License: 1632 **Driller Company:**

HOPPER PUMP & DRILLING, INC.

Driller Name:

CURRY, CALEB

Drill Finish Date: 09/23/2015

Plug Date:

09/23/2015

Drill Start Date: Log File Date:

09/22/2015 10/05/2015

PCW Rcv Date:

Source:

Estimated Yield:

Pump Type: Casing Size: Pipe Discharge 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, 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		_	_	_									
POD Number	Code	Sub- basin	County		Q 16			Tws	Rng	X	Y	DistanceDer	othWellDe		Water Column
<u>CP 00829 POD1</u>		CP	LE		2		16	19S	31E	606165	3614009*	1452	120		
<u>CP 01554 POD1</u>		CP	LE	2	2	1	22	19S	31E	607166	3613354	2359	400		
<u>CP 01554 POD2</u>		CP	LE	2	2	1	22	19S	31E	607165	3613322	2360	400		
<u>CP 00725 POD1</u>		CP	ED	1	3	3	28	19S	31E	604906	3610473*	3013	231		
<u>CP 00873 POD1</u>		CP	LE		1	1	19	19S	31E	601772	3613147*	3056	340	180	160
<u>CP 00722 POD1</u>		CP	LE	4	3	3	28	19S	31E	605106	3610273*	3226	200		
<u>CP 00722 POD1</u>	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	3226	200		
<u>CP 00723 POD1</u>		CP	ED	2	1	1	33	19S	31E	605111	3610071*	3427	139		
<u>CP 00722 POD3</u>		CP	LE	2	4	1	33	19S	31E	605519	3609673*	3877	220	140	80
<u>CP 00357 POD1</u>		CP	ED	4	4	1	24	19S	30E	600667	3612631*	4230	630		
<u>CP 01864 POD1</u>		CP	ED	4	2	1	34	19S	31E	607068	3609824	4301	110		
<u>CP 00357 POD2</u>		CP	ED	4	3	1	24	19S	30E	600265	3612627*	4625	630		
<u>CP 00722 POD2</u>		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

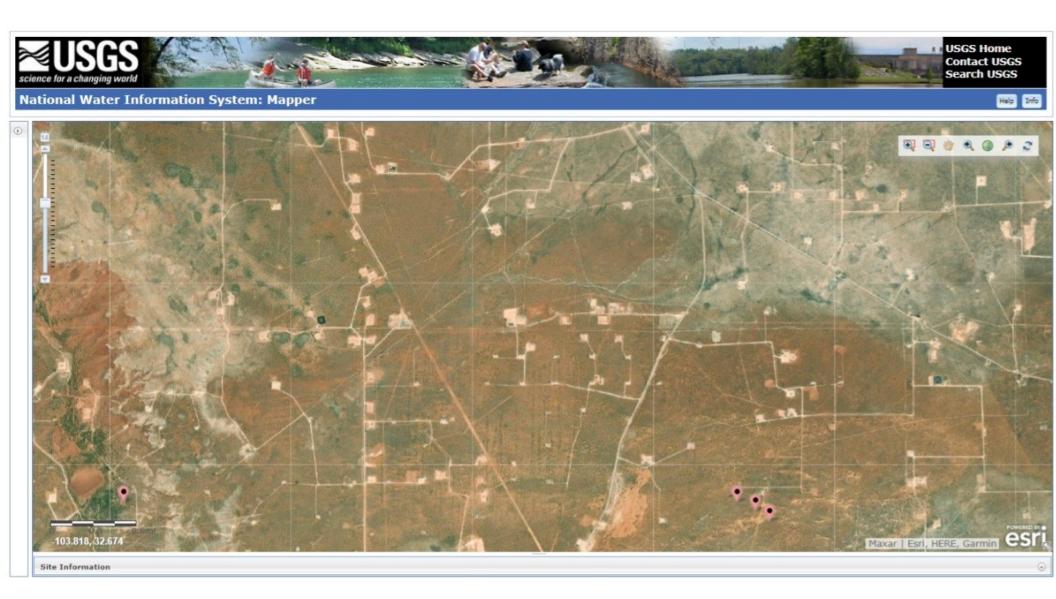
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/24/22 9:06 AM

WATER COLUMN/ AVERAGE DEPTH TO

^{*}UTM location was derived from PLSS - see Help

Received by OCD: 9/29/2022 4:17:11 PM





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

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: <u>Next Generation Monitoring Location Page</u>

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

Table of data

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

Tab-separat	ted data									
<u>Graph of da</u>	<u>ıta</u>									
Reselect pe	<u>riod</u>									
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
1968-04-0	3	D	62610		3227.09	NGVD29	1	Z		
1968-04-0	3	D	62611		3228.60	NAVD88	1	Z		
1968-04-0	3	D	72019	19.40			1	Z		
1971-02-0	1	D	62610		3226.96	NGVD29	1	Z		
1971-02-0	1	D	62611		3228.47	NAVD88	1	Z		
1971-02-0	1	D	72019	19.53			1	Z		
1976-12-1	0	D	62610		3225.44	NGVD29	1	Z		
1976-12-1	0	D	62611		3226.95	NAVD88	1	Z		
1976-12-1	0	D	72019	21.05			1	Z		
1977-11-1	8	D	62610		3223.76	NGVD29	1	Z		
1977-11-1	8	D	62611		3225.27	NAVD88	1	Z		
1977-11-1	8	D	72019	22.73			1	Z		
1977-12-0	5	D	62610		3223.84	NGVD29	1	Z		
1977-12-0	5	D	62611		3225.35	NAVD88	1	Z		
1977-12-0	5	D	72019	22.65			1	Z		
1977-12-1	6	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 meas
1977-12-16		D	62611		3225.02	NAVD88	1	L Z		
1977-12-16		D	72019	22.98			1			
1977-12-20		D	62610		3223.80	NGVD29	1			
1977-12-20		D	62611		3225.31	NAVD88	1			
1977-12-20		D	72019	22.69			1			
1978-01-18		D	62610		3223.12	NGVD29	1			
1978-01-18		D	62611		3224.63	NAVD88	1			
1978-01-18		D	72019	23.37			1			
1978-02-03		D	62610		3223.92	NGVD29	1			
1978-02-03		D	62611		3225.43	NAVD88	1			
1978-02-03		D	72019	22.57			1			
1978-02-23		D	62610		3223.99	NGVD29	1			
1978-02-23		D	62611		3225.50	NAVD88	1			
1978-02-23		D	72019	22.50		200	1			
1978-03-30		D	62610		3224.02	NGVD29	1			
1978-03-30		D	62611		3225.53	NAVD88	1			
1978-03-30		D	72019	22.47			1			
1978-05-04		D	62610		3223.84	NGVD29	1			
1978-05-04		D	62611		3225.35	NAVD88	1			
1978-05-04		D	72019	22.65			1			
1978-05-22		D	62610		3223.53	NGVD29	1			
1978-05-22		D	62611		3225.04	NAVD88	1	L Z		
1978-05-22		D	72019	22.96			1			
1978-06-08		D	62610		3223.60	NGVD29	1	L Z		
1978-06-08		D	62611		3225.11	NAVD88	1	L Z		
1978-06-08		D	72019	22.89			1	L Z		
1978-07-17		D	62610		3224.47	NGVD29	1	L Z		
1978-07-17		D	62611		3225.98	NAVD88	1	L Z		
1978-07-17		D	72019	22.02			1	L Z		
1978-08-17		D	62610		3223.46	NGVD29	1	L Z		
1978-08-17		D	62611		3224.97	NAVD88	1	L Z		
1978-08-17		D	72019	23.03			1	1 7		
1978-09-27		D	62610		3223.49	NGVD29	1	L Z		
1978-09-27		D	62611		3225.00	NAVD88	1	1 7		
1978-09-27		D	72019	23.00			1	1 7		
1978-12-14		D	62610		3224.82	NGVD29	1	L Z	<u>,</u>	
1978-12-14		D	62611		3226.33	NAVD88	1	1 7		
1978-12-14		D	72019	21.67			1	L Z	<u>,</u>	
1979-01-17		D	62610		3224.86	NGVD29	1	L Z		
1979-01-17		D	62611		3226.37	NAVD88	1	L Z		
1979-01-17		D	72019	21.63			1	L Z	2	
1979-02-14		D	62610		3224.93	NGVD29	1	L Z		
1979-02-14		D	62611		3226.44	NAVD88	1	L Z		
1979-02-14		D	72019	21.56			1	L Z		
1979-03-14		D	62610		3224.90	NGVD29	1	L Z		
1979-03-14		D	62611		3226.41	NAVD88	1	L Z		
1979-03-14		D	72019	21.59			1	L Z		
1983-01-18		D	62610		3233.72	NGVD29	1	L Z		
983-01-18		D	62611		3235.23	NAVD88	1	L Z		
1983-01-18		D	72019	12.77			1	1 7		

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	9	5	
1994-03-18		D	62611		3225.50	NAVD88	1	9	5	
1994-03-18		D	72019	22.50			1	9	5	

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	А	Approved for publication Processing and review completed.

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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-05-24 12:05:44 EDT

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323807103510601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323807103510601 19S.31E.27.214132

Table of data

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

Tab-separat	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	9	D	62610		3361.91	NGVD29	1	Z		
1983-01-19	9	D	62611		3363.47	NAVD88	1	Z		
1983-01-19	9	D	72019	136.53			1	Z		
1988-02-23	3	D	62610		3356.92	NGVD29	1	Z		
1988-02-23	3	D	62611		3358.48	NAVD88	1	Z		
1988-02-2	3	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	Α	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 10	ormats				
Table of data									
Tab-separated da	<u>ta</u>								
Graph of data									
Reselect period									
	?		Water	Water					
	Water-	?	level,	level,	Deferenced	2	?	?	?

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	Р	Z		
1966-05-12		D	62611		3333.00	NAVD88	Р	Z		
1966-05-12		D	72019	170.00			Р	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		

Fynl	an	ati	ion

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	Р	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	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		
1900-02-23		D	02010		3331.00	NGVD29		3		
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	Р	S		
1994-03-18		D	62611		3314.56	NAVD88	Р	S		
1994-03-18		D	72019	166.99			Р	S		

Explanation

Section Code C		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	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

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TABLE

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

Comple ID	Samula Danth (ff)	Data		TPH (m	g/kg)		Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides
Sample ID	Sample Depth (ft)	Date	DRO	GRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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

Prepared by: RYENGAMENTAL

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

Commis ID	Commis Donath (ff)	Dete		TPH (m	g/kg)		Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides
Sample ID	Sample Depth (ft)	Date	DRO	GRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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

Prepared by:

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

0 ID	Comple Booth (ff)	5.4.		TPH (m	g/kg)		Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides
Sample ID	Sample Depth (ft)	Date	DRO	GRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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

- exc

- exceeds regulatory limit

ft – feet

mg/kg – milligram per kilogram

TPH – total petroleum hydrocarbons

ft – feet

Prepared by:

Received by OCD: 9/29/2022 4:17:11 PM

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

Sample ID	Sample Depth (ft)	Date		TPH (m	g/kg)		Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides
Sample ID	Sample Depth (ft)	Date	DRO	GRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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

 $\mathsf{ft}-\mathsf{feet}$

Prepared by:

Received by OCD: 9/29/2022 4:17:11 PM

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

Sample ID	Sample Depth (ft)	Date		TPH (m	g/kg)		Benzene	Toluene	Ethylbenzene	enzene Xylenes	Total BTEX	Chlorides
Sample ID	Sample Depth (It)	Date	DRO	GRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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

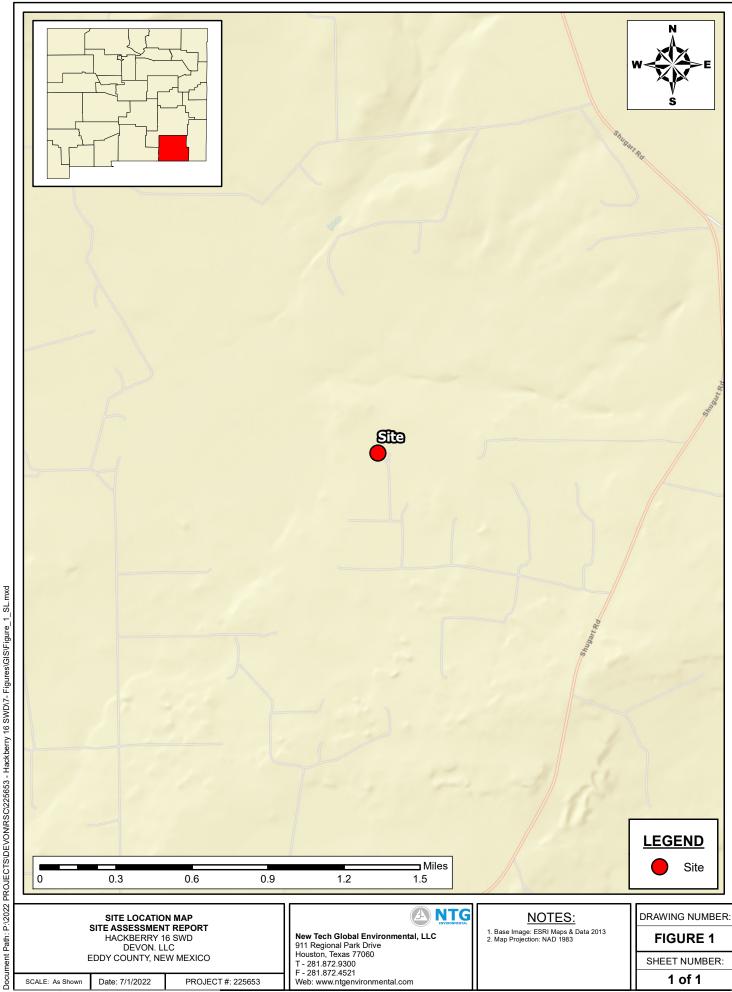
mg/kg – milligram per kilogram

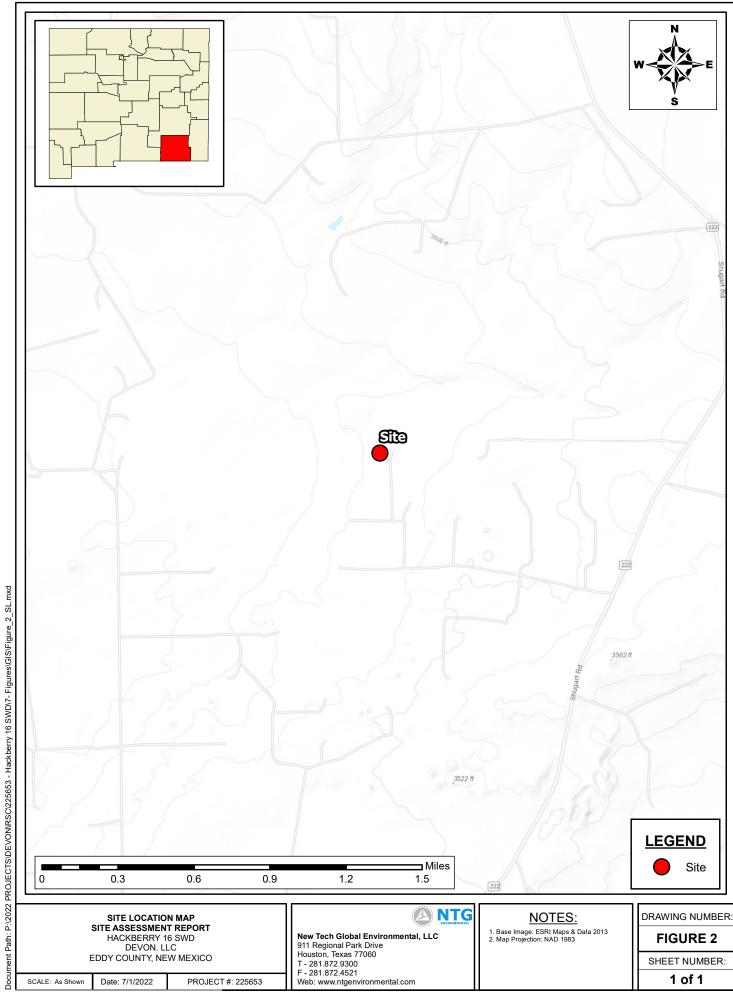
TPH - total petroleum hydrocarbons

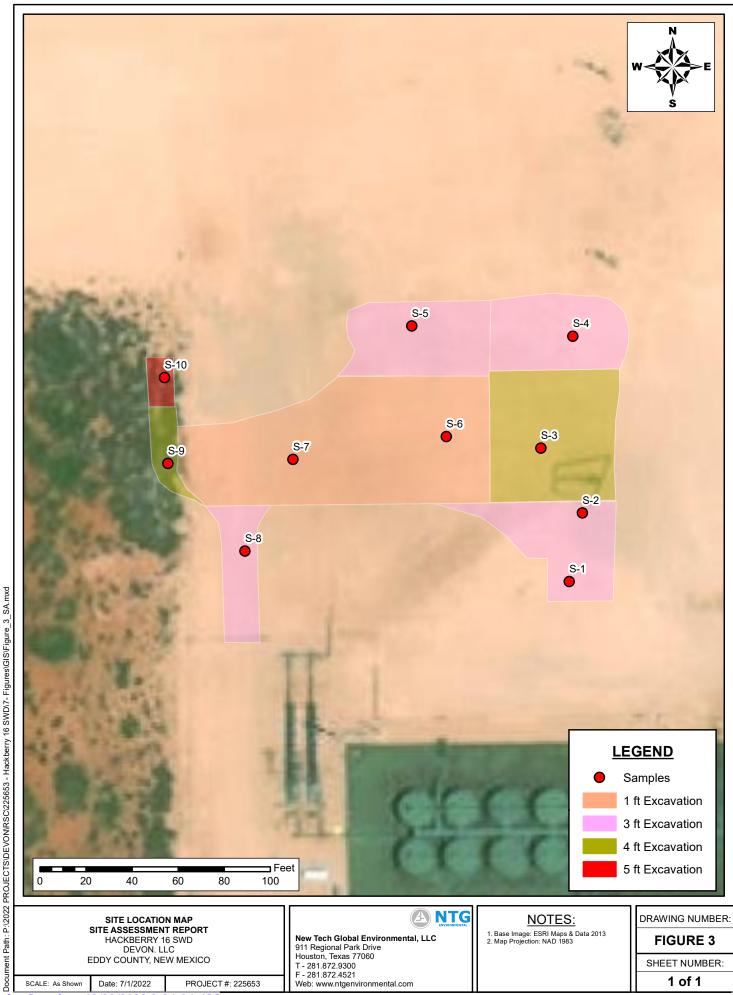
ft - feet

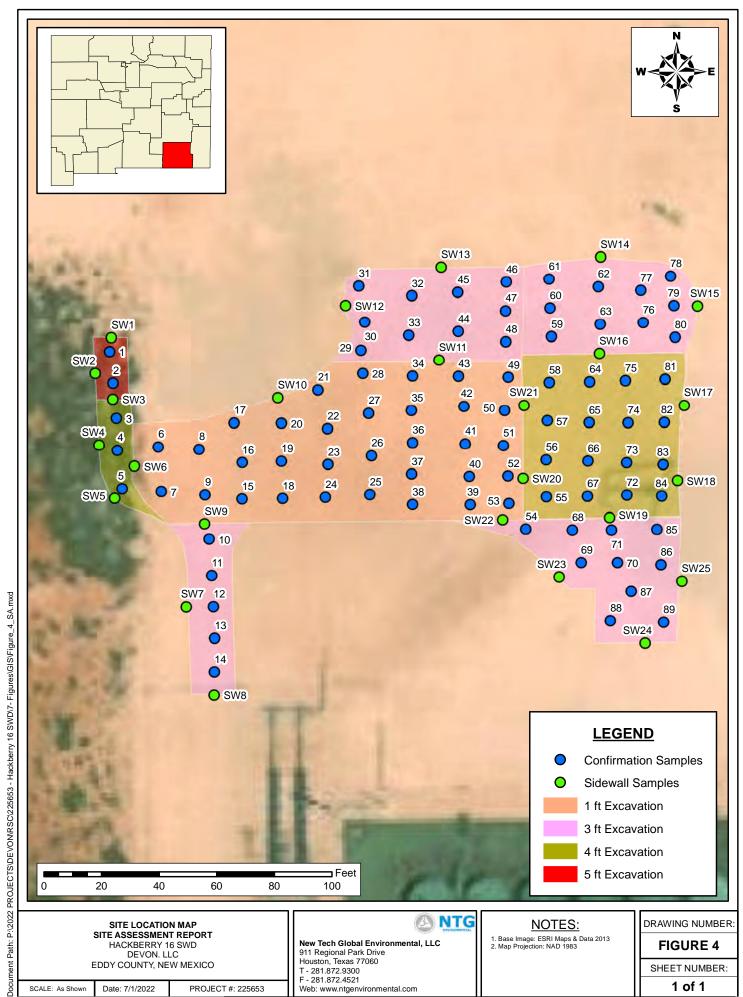
Prepared by:

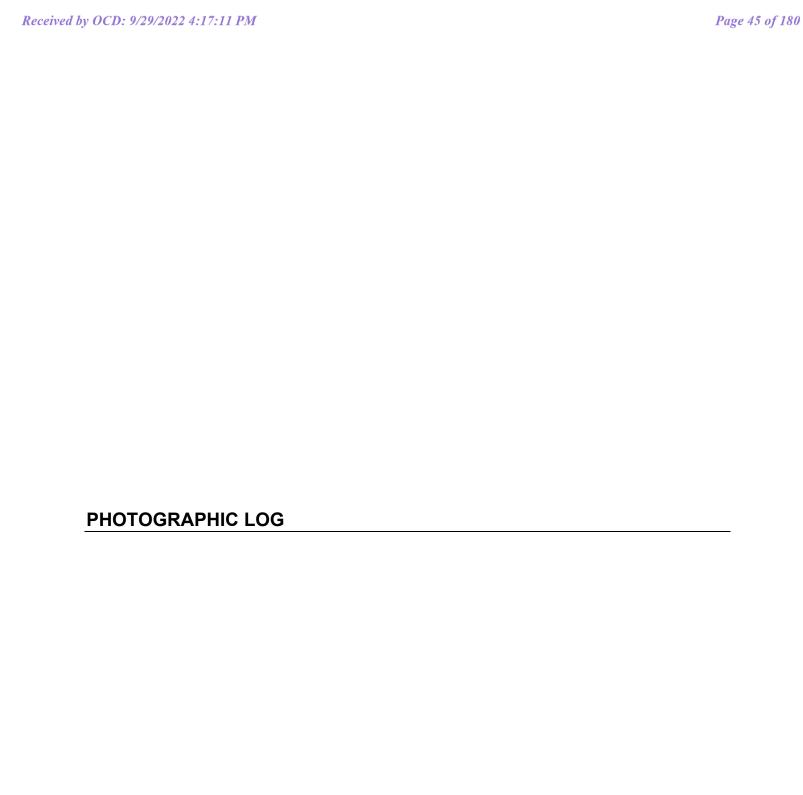
FIGURES











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:



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:



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:



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:



Received by OCD: 9/29/2022 4:17:11 PM	Page 50 of 180
LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS	



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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	72.4	% 59.5-14	2						

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Celey D. Keene



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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 2 (H222646-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.5	% 59.5-14	2						

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Celey D. Keene



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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.1	% 59.5-14	22						

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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 Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 4 (H222646-04)

BIEV 9051B	EX 8021B mg/kg								
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	77.8	% 59.5-14	2						

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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 Reported: 06/22/2022

06/22/2022 HACKBERRY 16 SWD

Project Name: HACKBERRY 16 S Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 5 (H222646-05)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 69.9-14	10						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	26						
Surrogate: 1-Chlorooctadecane	90.1	% 59.5-14	12						

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Analytical Results For:

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

Analyzed By: JH

Received: 06/21/2022 Reported: 06/22/2022

mg/kg

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 6 (H222646-06)

BTEX 8021B

DILX GOZID	11197	K9	Allulyzo	.u by. 511					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.2	% 59.5-14	2						

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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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 7 (H222646-07)

BTEX 8021B

	9,	9	7	7: 5::					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.8	% 59.5-14	2						

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Analytical Results For:

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

Analyzed By: JH

Received: 06/21/2022

06/22/2022

mg/kg

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 8 (H222646-08)

Reported:

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u by. 511					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.4	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.0	% 59.5-14	22						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.0	% 59.5-14	2						

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Analytical Results For:

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

Applyzod By: 14

Received: 06/21/2022

Reported: 06/22/2022 Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

ma/ka

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 11 (H222646-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.4	% 59.5-14	2						

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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

06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS 12 (H222646-12)

Reported:

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.9	% 59.5-14	2						

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Analytical Results For:

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

Applyzod By: 14

Received: 06/21/2022

ma/ka

Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

Sample ID: CS 13 (H222646-13)

RTFY 8021R

BIEX 8021B	mg	/ Kg	Analyze	а ву: ЈН					
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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.1	% 59.5-14	2						

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Celeg & Frence



06/21/2022

Tamara Oldaker

Analytical Results For:

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

Sampling Date:

Sample Received By:

Received: 06/21/2022

Reported: 06/22/2022 Sampling Type: Soil
Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact

Project Number: 225653

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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.8	% 59.5-14	2						

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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 Reported: 06/22/2022

06/22/2022 HACKBERRY 16 SWD

Project Name: HACKBE Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 15 (H222646-15)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 69.9-14	0						
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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.1	% 59.5-14	2						

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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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 16 (H222646-16)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.0	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.0	% 59.5-14	2						

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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 18 (H222646-18)

BTEX 8021B	mg,	/kg	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.0	% 59.5-14	2						

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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 19 (H222646-19)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.3	% 59.5-14	2						

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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

Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS 20 (H222646-20)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.6	% 59.5-14	2						

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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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 21 (H222646-21)

BTEX 8021B

	97.1.9		7						
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 % 69.9-14		0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.8	% 59.5-14	2						

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Celey & Keene



Tamara Oldaker

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

Sample Received By: Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 22 (H222646-22)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.8	% 59.5-14	2						

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Analytical Results For:

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

06/21/2022 Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 23 (H222646-23)

Received:

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.1	% 59.5-14	2						

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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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 24 (H222646-24)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.0	% 59.5-14	2						

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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 Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

ma/ka

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 25 (H222646-25)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.2	% 59.5-14	2						

Analyzed By: 1H /

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 26 (H222646-26)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
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	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.4	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	113	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.3	% 59.5-14	2						

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Celey D. Keene



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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 29 (H222646-29)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.5	% 59.5-14	2						

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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: Sample Received By: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 30 (H222646-30)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.1	% 59.5-14	2						

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Celey D. Keene



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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	77.5	% 59.5-14	12						

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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

Reported: 06/22/2022 Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 32 (H222646-32)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.7	% 59.5-14	22						

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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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 33 (H222646-33)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.8	% 59.5-14	2						

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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	Analyze	ed 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	% 69.9-14	0						
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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.3	% 59.5-14	22						

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Sample Received By:

06/21/2022

Tamara Oldaker

Analytical Results For:

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

Fax To:

Received: 06/21/2022 Sampling Date:

Reported: 06/22/2022 Sampling Type: Soil
Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact

Project Number: 225653

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	% 69.9-14	0						
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	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.1	% 59.5-14	2						

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Tamara Oldaker

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:

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 36 (H222646-36)

BTEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.3	% 59.5-14	2						

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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)

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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.7	% 59.5-14	2						

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Analytical Results For:

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

Applyzod By: 14

06/21/2022

ma/ka

Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 38 (H222646-38)

Received:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.5	% 59.5-14	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 39 (H222646-39)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.6	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.2	% 59.5-14	22						

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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	Analyze	ed 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	% 69.9-14	0						
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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.8	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.9	% 59.5-14	2						

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Analytical Results For:

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

Analyzed By: JH

Tux

06/21/2022

mg/kg

Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 43 (H222646-43)

Received:

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.4	% 59.5-14	2						

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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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 44 (H222646-44)

BTEX 8021B

	9,	9	7	7: 5::					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	76.5	% 59.5-14	2						

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Tamara Oldaker

Sample Received By:

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

Reported: 06/22/2022 Sampling Type: Soil
Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact

Project Number: 225653

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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.5	% 59.5-14	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 46 (H222646-46)

BTEX 8021B	mg	'kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.1	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.1	% 59.5-14	2						

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Celey D. Keine



Tamara Oldaker

Sample Received By:

Analytical Results For:

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

Applyzod By: 14

 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

Project Location: DEVON - EDDY CO., NM

ma/ka

Sample ID: CS 48 (H222646-48)

RTFY 8021R

BIEX 8021B	mg	/ Kg	Analyze	a 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.4	% 59.5-14	2						

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Analytical Results For:

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

Applyzod By: 14

Received: 06/21/2022 Reported: 06/22/2022

ma/ka

Project Name: HACKBERRY 16 SWD San

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sampling Date: 06/21/2022

Sampling Type:

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

Soil

Sample ID: CS 49 (H222646-49)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.8	% 59.5-14	2						

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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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 50 (H222646-50)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.4	% 59.5-14	2						

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06/21/2022

Analytical Results For:

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

Received: 06/21/2022 Sampling Date:

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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.3	% 59.5-14	22						

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Celey D. Keine

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: Coo

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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.2	% 59.5-14	2						

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Tamara Oldaker

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:

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 53 (H222646-53)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.2	% 59.5-14	2						

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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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 54 (H222646-54)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.9	% 59.5-14	2						

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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

Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 55 (H222646-55)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.9	% 59.5-14	2						

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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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 56 (H222646-56)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.4	% 59.5-14	2						

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Celey D. Keine



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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 57 (H222646-57)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.9	% 59.5-14	2						

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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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.7	% 59.5-14	2						

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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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 59 (H222646-59)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 511/					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.2	% 59.5-14	2						

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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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 60 (H222646-60)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.8	% 59.5-14	2						

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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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	d the control otiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its attiliates and sold losses are due to circumstances beyond the control Notice: Signature of this document and relinquishment of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Notice: Signature of this document and relinquishment of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its attitutes and relinquishment of samples constitutes a valid purchase order from client for any losses are due to circumstances beyond the control Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client from the control Notice: Signature of this document and relinquishment of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Notice: Signature of this document and relinquishment of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples and samples are such as a control of samples are such as a con	red by the client t analyzed. Thes	nses incur ico, but no	es or exper ted to Xen	ase order from client insibility for any loss reach sample submi	nstitutes a valid purch not assume any responding the control of t	samples co	nt and relinquishment of nly for the cost of sample tes no will be applied to	nature of this docume Xenco will be liable o	Notice: Sig of service.
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			×	×	p 1	Comp	×	22	6/21/2022	CSS	T
			+	×	1	Comp	×	22	6/21/2022	CS7	71
			+	×	T	Comp	×	22	6/21/2022	CS6	T
			+	×		Comp	×	22	6/21/2022	CS5	1
			×	×	1	Comp	×	22	6/21/2022	CS4	T
			+	×		Comp	×	22	6/21/2022	CS3	
			+	< >	1	Comp	×	22	6/21/2022	CS2	7
			+		T	Comp	>	22	6/21/2022	CS1	
			× ×	×	Cont	Water Comp	S	Time		Sample Identification	S
Sample Comments			грн 8		# Of	3.7 C	Corrected Temperature:	Correc		ainers:	Total Containers:
NaOH+AScoluic Acid. SAFC			1015			2000	l'emperature reading.	1 empe	Yes No NA	Sample Custody Seals:	Sample C
Zn Acetate+NaOH: Zn			_	вт		· mar	Correction Factor.	Correc	No	Cooler Custody Seals:	Cooler Cu
			_	EX 8	Par	2000	Thermometer IU:	Therm	17	ntact:	Received Intact
NaHSO4: NABIS	01.0		e 450	021E	ame	Yes) No	No Wet Ice:	Yes (No	Temp Blank:	SAMPLE RECEIPT	SAMPL
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H ₂ SO ₄ : H ₂ NaOH: Na			MR			TAT starts the day received by the	TAT starts the	S	Ethan Sessums	Name:	Sampler's Name
HCL: HC HNO3: HN			O)				Due Date:		Eddy Co. NM	ation	Project Location
Cool: Cool MeOH: Me				I	Code	Rush	Routine		225653	mber:	Project Number
None: NO DI Water: H ₂ O		7137			Pres.	Turn Around	Turn	/D	Hackberry 16 SWD	ne:	Project Name:
Preservative Codes		ANALYSIS REQUEST			0,000	And The Sie And Th	Email:		5-5456	254-266-5456	Phone:
	EDD [Deliverables:		COM	s@dvn	Marlay Mathew	1		Carlsbad, NM 88220		City, State ZIP
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	roject:		nergy	Devon Energy		Company Name:			NTG Environmental		Company
Brownfield € RI Superfu	Program: UST/PST☐ PRF☐ Brownfield ☐	Program:	Wesley Mattlews	wesiey		Bill to: (if different)			Ethan Sessums		Project Manager
Work Order Comments	Work Order		The state of the s								(
Page1 of									MENTAL	ENVIRONMENTA	1
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	NTG Environmental	ntal			Company Name	le:	Devo	Devon Energy	y		Program:	Program: UST/PSI PRH BIOWIIIEIG	Č
INGINO.	402 F Wood Ave				Address:		6488	Seven	6488 Seven Rivers Highway	ghway	State of Froject	PST/UST	TRRF Level N
Address.	Carlsbad NM 88220	220			City, State ZIP	.7	Artes	Artesia, NM 88210	88210		Deliverables: EDD		
	254-266-5456			Email:	Wesley.Mathews@dvn.com	iews@dv	/n.com						Codes
	Lookho	TA SWD		Turn	Turn Around					ANALYSIS REQUEST	QUEST	Fie	El van
Project Name:	Наскре	наскрепу то очур		Bouting	√ Rush	Pres.	, on					None: NO	DI Water: H ₂ O
Project Number:	2	225653		Nouve	-	Code	100	1	-			Cool: Cool	ol MeOH: Me
Project Location	Eddy	Eddy Co. NM		Due Date:		1		(0)				HCL: HC	HNO3: HN
Sampler's Name:	Ethar	Ethan Sessums		TAT starts the lab, if rece	TAT starts the day received by the lab, if received by 4:30pm			+ MR				H ₂ S0 ₄ : H ₂	NaOH: Na
PO#	Ter	Temp Blank	Yes No	Wet Ice:	Yes No	nete		_	500			D NaHSO: NABIS	NABIS
Received Intact:			Thermometer ID:	ter ID:	113	Para	X 80	_	ride			H Na ₂ S ₂ O ₃ ; NaSO ₃	NaSO ₃
Cooler Custody Seals:	Yes	No (N/A)	Correction Factor	Factor	-0.0c			_	Chlo			Zn Aceta	Zn Acetate+NaOH: Zn
Sample Custody Seals:	yes Yes	No (N/A)	Temperatu	Temperature Reading.	2000			015				NaOH+	NaOH+Ascorbic Acid: SAPC
Total Containers:			Corrected	Corrected Lemperature.	0. 6	Grahl #	2	грн				Sa	Sample Comments
Sample Identification	ntification	Date	Time	Soil	Water Co		Cont	-			+		
CS11	1	6/21/2022		×	CC		+	+	< >		+		
CS12	12	6/21/2022		×	CC		+	-	< >		+		
CS13	13	6/21/2022		×	CC	T	+	+	< >		+		
CS14	14	6/21/2022		×	00	Т	+	+	< >		+		
CS15	15	6/21/2022		×	C	T	+	+	< >		+		
CS16	16	6/21/2022		×	C	T	+	+	< >	-	+		
	17	6/21/2022		×	0	T	+	+	< >	-			
CS18	18	6/21/2022		×	0 0		+	+	× >		-		
CS19	19	6/21/2022		×	0	Comp	+	+	, ;		1		
	20	6/21/2022		×	C	Comp	_	×	×				
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SAMPLE RECEIPT		Temp Blank:	Yes No) Wet Ice:	Yes No	_	amet	021B + DF	450			DLD Na	NaHSO4: NABIS
Received Intact:		TES NO	Correction Factor	n Factor.	10.50			_	_				Nazozog, Nacog
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CS52	52	6/21/2022		×	2	Comp	-	+	+				
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4 CS54	54	6/21/2022		×	0 0	Comp	-	+	+				
SS CS55	55	6/21/2022	10	×		Comp	-	+	+				
CS56	56	6/21/2022	10	×	0	Comp	-	+	+				
S7 CS57	57	6/21/2022	2	×	C	Comp	-	+	+				
8 CS58	58	6/21/2022	2	×	0	Comp	-	+	+				
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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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.8	% 59.5-14	2						

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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 62 (H222647-02)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.0	% 59.5-14	2						

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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: Coo

Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact
Project Number: 225653 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 63 (H222647-03)

BTEX 8021B

DIEX GOZID	ilig/ kg		Allalyzea by: 511/						
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.2	% 59.5-14	2						

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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)

TEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.7	% 59.5-14	22						

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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)

TEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.5	% 59.5-14	2						

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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)

TEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	83.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.4	% 59.5-14	2						

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Tamara Oldaker

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 Name: HACKBERRY 16 SWD Sampling Condition:
Project Number: 225653 Sample Received By:

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 67 (H222647-07)

TEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.2	% 59.5-14	2						

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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: Sample Received By: Tamara Oldaker 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 68 (H222647-08)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.5	% 59.5-14	2						

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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: Sample Received By: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 69 (H222647-09)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.0	% 59.5-14	2						

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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 70 (H222647-10)

TEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.5	% 59.5-14	2						

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Celey D. Keene



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

Analyzed By: 1H /

Project Location: DEVON - EDDY CO., NM

ma/ka

Sample ID: CS 71 (H222647-11)

RTFY 8021R

SIEX 8021B	тд/кд		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	% 69.9-14	0						
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	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.1	% 59.5-14	2						

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Celey D. Kune



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)

y True Value QC RPD Qualifi 2.00 1.70 2.00 2.32 2.00 3.72 6.00 3.68
2.00 2.32 2.00 3.72
2.00 3.72
6.00 3.68
y True Value QC RPD Qualif
400 0.00
y True Value QC RPD Qualif
200 6.59
200 14.1
)

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Celey D. Keene



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)

TEX 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.8	% 59.5-14	2						

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Celey D. Keine



06/21/2022

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

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

Sampling Date:

Sample Received By:

Received: 06/21/2022

Reported: 06/22/2022 Sampling Type:
Project Name: HACKBERRY 16 SWD Sampling Condition:

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 74 (H222647-14)

BTEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.4	% 59.5-14	2						

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Analytical Results For:

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

06/21/2022 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS 75 (H222647-15)

Received:

Reported:

BTEX 8021B	mg/kg		Analyze	d 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	% 69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.0	% 59.5-14	2						

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Celey D. Keine



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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 76 (H222647-16)

BTEX 8021B

	9,	9	7	7: 5::					
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	% 69.9-14	0						
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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.3	% 59.5-14	2						

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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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 77 (H222647-17)

BTEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
Chloride, SM4500Cl-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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.3	% 59.5-14	2						

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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 Reported:

06/22/2022 HACKBERRY 16 SWD

Project Name: Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: CS 78 (H222647-18)

BTEX 8021B	mg/kg		Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.9	% 59.5-14	2						

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Celey D. Keene



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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 79 (H222647-19)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.0	% 59.5-14	2						

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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		Analyze	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	% 69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.0	% 59.5-14	22						

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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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 81 (H222647-21)

BTEX 8021B

DIEX GOZID	ilig/ kg		Analyzed by: 511						
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	% 69.9-14	0						
Chloride, SM4500Cl-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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.6	% 59.5-14	2						

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06/21/2022

Soil

Analytical Results For:

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

Received: 06/21/2022 Sampling Date:

Reported: 06/22/2022 Sampling Type: Project Name: HACKBERRY 16 SWD Sampling Condition:

Cool & Intact Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 82 (H222647-22)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100 9	6 59.5-14	2						

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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		Analyze	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	% 69.9-14	0						
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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.6	% 59.5-14	12						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 84 (H222647-24)

BTEX 8021B	mg/	/kg	Analyze	d 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.0	% 59.5-14	2						

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Sample Received By:

06/21/2022

Tamara Oldaker

Analytical Results For:

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

Received: 06/21/2022 Sampling Date:

Reported: 06/22/2022 Sampling Type: Soil
Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 85 (H222647-25)

BTEX 8021B	mg/kg		Analyze	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	% 69.9-14	0						
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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	116	% 59.5-14	22						

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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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: CS 86 (H222647-26)

BTEX 8021B

DIEX GOZID	11197	ng .	Andryzo	a by. 511					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110 9	% 59.5-14.	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: CS 87 (H222647-27)

BTEX 8021B	mg/	/kg	Analyze	d 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.8	% 59.5-14	2						

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Celey D. Keine



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: Coo

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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.0	% 59.5-14	2						

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Tamara Oldaker

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

Sample Received By: Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 1 (H222647-30)

BTEX 8021B	mg/	kg	Analyze	d 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.9	% 59.5-14	2						

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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: Coo

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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.0	% 59.5-14	2						

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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

Analyzed By: JH

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: SW 3 (H222647-32)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106	% 59.5-14	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 4 (H222647-33)

BTEX 8021B	mg/	kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.0	% 59.5-14	2						

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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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 5 (H222647-34)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.3	% 59.5-14	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 6 (H222647-35)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.1	% 59.5-14	2						

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06/21/2022

Tamara Oldaker

Soil

Analytical Results For:

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

Received: 06/21/2022 Sampling Date: Reported: 06/22/2022 Sampling Type:

Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact Sample Received By:

Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 7 (H222647-36)

BTEX 8021B	mg,	'kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

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Celey D. Keene



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

Analyzed By: 1H /

Project Location: DEVON - EDDY CO., NM

ma/ka

Sample ID: SW 8 (H222647-37)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.7	% 59.5-14	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 9 (H222647-38)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110 9	6 59.5-14	2						

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06/21/2022

Analytical Results For:

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

Received: 06/21/2022 Sampling Date:

Reported: 06/22/2022 Sampling Type: Soil

Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 10 (H222647-39)

BTEX 8021B	mg/	kg	Analyze	d 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.8	% 59.5-14	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 11 (H222647-40)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.7	% 59.5-14	2						

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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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 12 (H222647-41)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.6	% 59.5-14	2						

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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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: SW 13 (H222647-42)

BTEX 8021B

	9,	9	7	7: 5::.,					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.5	% 59.5-14	2						

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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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.5	% 59.5-14	2						

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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 Sample Received By: Project Number: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 15 (H222647-44)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.5	% 59.5-14	2						

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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: Coo

Project Name: HACKBERRY 16 SWD Sampling Condition: Cool & Intact
Project Number: 225653 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: DEVON - EDDY CO., NM

ma/ka

Sample ID: SW 16 (H222647-45)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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	% 69.9-14	0						
Chloride, SM4500Cl-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	77.1	% 59.5-14	2						

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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: Sample Received By: 225653 Tamara Oldaker

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 17 (H222647-46)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
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	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.6	% 59.5-14	2						

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Celey D. Keene



Tamara Oldaker

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 Name: HACKBERRY 16 SWD Sampling Condition:
Project Number: 225653 Sample Received By:

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 18 (H222647-47)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.0	% 59.5-14	22						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 19 (H222647-48)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.3	% 59.5-14	2						

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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

Analyzed By: JH/

Project Location: DEVON - EDDY CO., NM

mg/kg

Sample ID: SW 20 (H222647-49)

BTEX 8021B

DIEX GOZID	11197	ng .	Allulyzo	a by. 5117					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	72.1	% 59.5-14	2						

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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 Sample Received By: Tamara Oldaker Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 21 (H222647-50)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
Chloride, SM4500Cl-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	70.9	% 59.5-14	2						

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Analytical Results For:

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

06/21/2022 Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: SW 22 (H222647-51)

Received:

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.1	% 59.5-14	2						

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Analytical Results For:

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

06/21/2022

Reported: 06/22/2022

Project Name: HACKBERRY 16 SWD

Project Number: 225653

Project Location: DEVON - EDDY CO., NM Sampling Date: 06/21/2022

Sampling Type: Soil

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

Sample ID: SW 23 (H222647-52)

Received:

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.3	% 59.5-14	2						

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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

Analyzed By: 1H /

Project Location: DEVON - EDDY CO., NM

ma/ka

Sample ID: SW 24 (H222647-53)

RTFY 8021R

BIEX 8021B	mg	/ Kg	Analyze	a 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.0	% 59.5-14	2						

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Sampling Condition:

Sample Received By:

06/21/2022

Cool & Intact

Tamara Oldaker

Analytical Results For:

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

Received: 06/21/2022 Sampling Date:

Reported: 06/22/2022 Sampling Type: Soil

Project Name: HACKBERRY 16 SWD Project Number: 225653

Project Location: DEVON - EDDY CO., NM

Sample ID: SW 25 (H222647-54)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.7	% 59.5-14	2						

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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

Cardinal Laboratories *=Accredited Analyte

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

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Preservative Codes											com	vs@dvn.	Wesley.Mathews@dvn.com		Email:			254-266-5456	25	Phone:
Other:	ADaPT	A		Deliverables: EDD	Delivera				210	Allesia, NIVI 00210	Altesia		City, State ZIP:	City, S			220	Carlsbad, NM 88220		City, State ZIP
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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

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:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	147588
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/23/2022