

July 21, 2020

Oil Conservation Division, District 1 1625 N. French Dr. Hobbs, NM 88240

Ryan Mann New Mexico State Land Office 1001 S. Atkinson Roswell, NM 88230

Closure Report:

Grey Hawk State #001H API#: 30-025-41193 Tracking #: NRM2001034798 DOR: October 31, 2019 GPS: 32.4285278 -103.501564 Unit Letter P, Section 31, Township 21 South, Range 34 East Lea County, New Mexico

To Whom It May Concern,

COG Operating, LLC (COG) is pleased to submit the following closure report in response to a release that occurred at the Grey Hawk State #001H. The release was located in Unit Letter P, Section 31, Township 21 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.4285278 North and -103.501564 West.

BACKGROUND

The release was discovered on October 31, 2019. A C-141 report was submitted to the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO). The C-141 is presented in Appendix A. A new pipeline tie-in resulted in the release of approximately fifteen (15) barrels (BBLS) of produced water onto the well pad. Approximately ten (10) bbls of produced water were recovered.

GROUNDWATER AND REGULATORY FRAMEWORK

According to the New Mexico Office of the State Engineer (NMOSE) the nearest water well is approximately one-half (1/2) mile from the release site. Well log data indicates that groundwater in the project vicinity is approximately eight-hundred and twenty-four (824) feet below ground surface (BGS). The water well information is shown in Appendix B.

A risk based evaluation and site determinations were performed in accordance to the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). According to the site characterization evaluation, no other receptors (water wells, playas, karst, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site. The groundwater data and the site characterization evaluation data are summarized in Appendix B. The delineation and closure criteria are listed below:

GENERAL SITE CHARACTERIZATION AND GROUNDWATER:

Site Characterization	Average Groundwater Depth (ft.)
None Located	824 feet

DELINEATION AND CLOSURE CRITERIA:

Table I Closure Criteria	
Chlorides	20,000 mg/kg
TPH (GRO and DRO and MRO)	2,500 mg/kg
TPH (GRO and DRO)	1,000 mg/kg
Benzene	10 mg/kg
Total BTEX	50 mg/kg

Remedial Actions

- The impacted area was excavated to depths ranging from one-half (0.5) to eight (8) feet BGS.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Confirmation soil samples were taken from the bottom and sidewalls of the excavated areas per NMED 19.15.29.13.
- Upon receipt of acceptable analytical results from the confirmation soil sampling activities the excavation was backfilled with clean "like" material.

SITE RECLAMATION AND RESTORATION

All of the fluid remained on the well pad. No reclamation activities will be required at this site.

CLOSURE REQUEST

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division and the New Mexico State Land Office grant closure approval for the Grey Hawk State #001H incident that occurred on October 31, 2019.

Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,

Sheldon Jutan

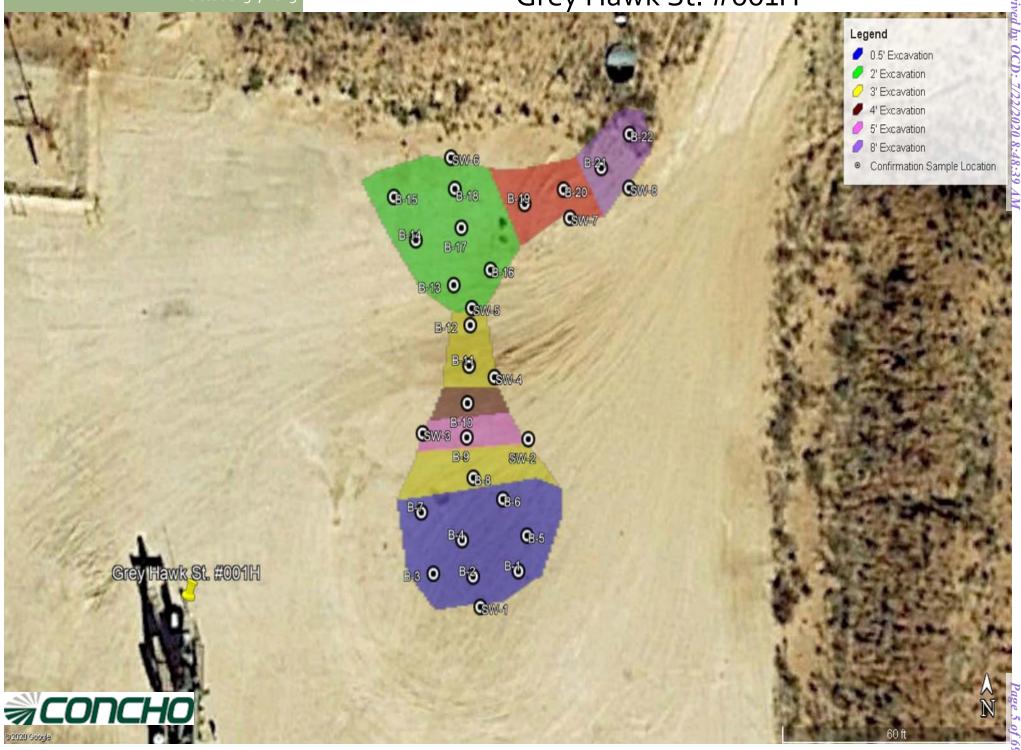
Sheldon L. Hitchcock HSE Coordinator slhitchcock@concho.com

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FIGURES

Grey Hawk St. #001H



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TABLES

Table 1COG Operating LLC.Grey Hawk State #001HLea County, New Mexico

	Sample		Soil Status			TPH (mg/kg)						Benzene	Total BTEX	Chloride
Sample ID	Depth (ft)	Sample Date	In-Situ	Removed	GRO	DRO	MRO	Total	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)
MOCD RRAL L	imits (mg/kg)				-	-	-	2,500	-	-	1,000	10	50	20,000
B-1	0.5	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	48.0
B-2	0.5	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	240.0
B-3	0.5	2/24/2020	х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	128.0
B-4	0.5	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	144.0
B-5	0.5	2/24/2020	х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	128.0
B-6	0.5	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	64.0
B-7	0.5	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	144.0
B-8	3.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	64.0
B-9	3.0	2/24/2020		Х	<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	1,920.0
B-10	3.0	2/24/2020		Х	<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	1,420.0
B-11	3.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	48.0
B-12	3.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	32.0
B-13	2.0	2/24/2020	х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	176.0
B-14	2.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	32.0
B-15	2.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	16.0
B-16	2.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	48.0
B-17	2.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	32.0
B-18	2.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	32.0
B-19	6.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	16.0
B-20	6.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	48.0
B-21	8.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	16.0
B-22	8.0	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	<16.0
SW-1	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	64.0
SW-2	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	288.0
SW-3	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	208.0
SW-4	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	16.0
SW-5	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	32.0
SW-6	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	32.0
SW-7	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	192.0
SW-8	N/A	2/24/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.050	16.0
B-9	4.0	2/27/2020		Х	#	#	#	#	#	#	#	#	#	4,800.0
B-10	4.0	2/27/2020	Х		#	#	#	#	#	#	#	#	#	80.0
B-9	5.0	3/2/2020	Х		#	#	#	#	#	#	#	#	#	<16.0
-	-					1	1							

(#) Not Analyzed

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APPENDIX A

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

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Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Longitude

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

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

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes No	
If YES, was immediate ne	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 release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name:	Title:
Signature: Sheldon Jutan	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 7/22/2020 8:48:39 AM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

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

- \square Photographs including date and GIS informs
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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Received by OCD: 7/22/20, Form C-141	20 8:48:39 AM State of New Mexico			Page 12 of 69
			Incident ID	
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance o and/or regulations.	rmation given above is true and complete to the required to report and/or file certain release no ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a the f a C-141 report does not relieve the operator of	otifications and perform co OCD does not relieve the reat to groundwater, surfa of responsibility for compl	prrective actions for rele operator of liability sho ce water, human health liance with any other fee	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
Printed Name:		Title:		
Signature: Sheldon	Hitom	Date:	_	
email:		Telephone:		
OCD Only				
Received by:		Date:		

Received by OCD: 7/22/2020 8:48:39 AM Form C-141 State of New Mexico

Oil Conservation Division

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Application ID	

Remediation Plan

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan. Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Title: Signature: Sheldon Jutan Date: email: Telephone: _____ OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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Oil Conservation Division

Incident ID	
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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.

<u>Closure Report Attachment Checklist</u> : Each of the following it	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C 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 certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the co- accordance with 19.15.29.13 NMAC including notification to the C	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete.
email:	Telephone:
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

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APPENDIX B

Received by QGD: 7/22/2020 8:48:39 A

OSE PODs

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ft.

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- Active
- Inactive
- Pending
- Capped
- Changed Location of Well
- Plugged
- Unknown
- others

USA Flood Risk

100 Year Flood Areas

- 1.0% Annual chance
- 1.0% Annual chance within channel
- 1.0% Annual chance Future conditions
- 1.0% Annual chance shallow/ponding
- 1.0% Annual chance shallow/sheeting
- 1.0% Annual chance Storm waves
- 1.0% Annual chance Storm-induced velocity wave action
- 0.2 1.0% Annual chance
- 0.2 1.0% Annual chance Protected by levee
- 0.2% Annual chance
- Possible, but undetermined chance
- Area not included
- Open water

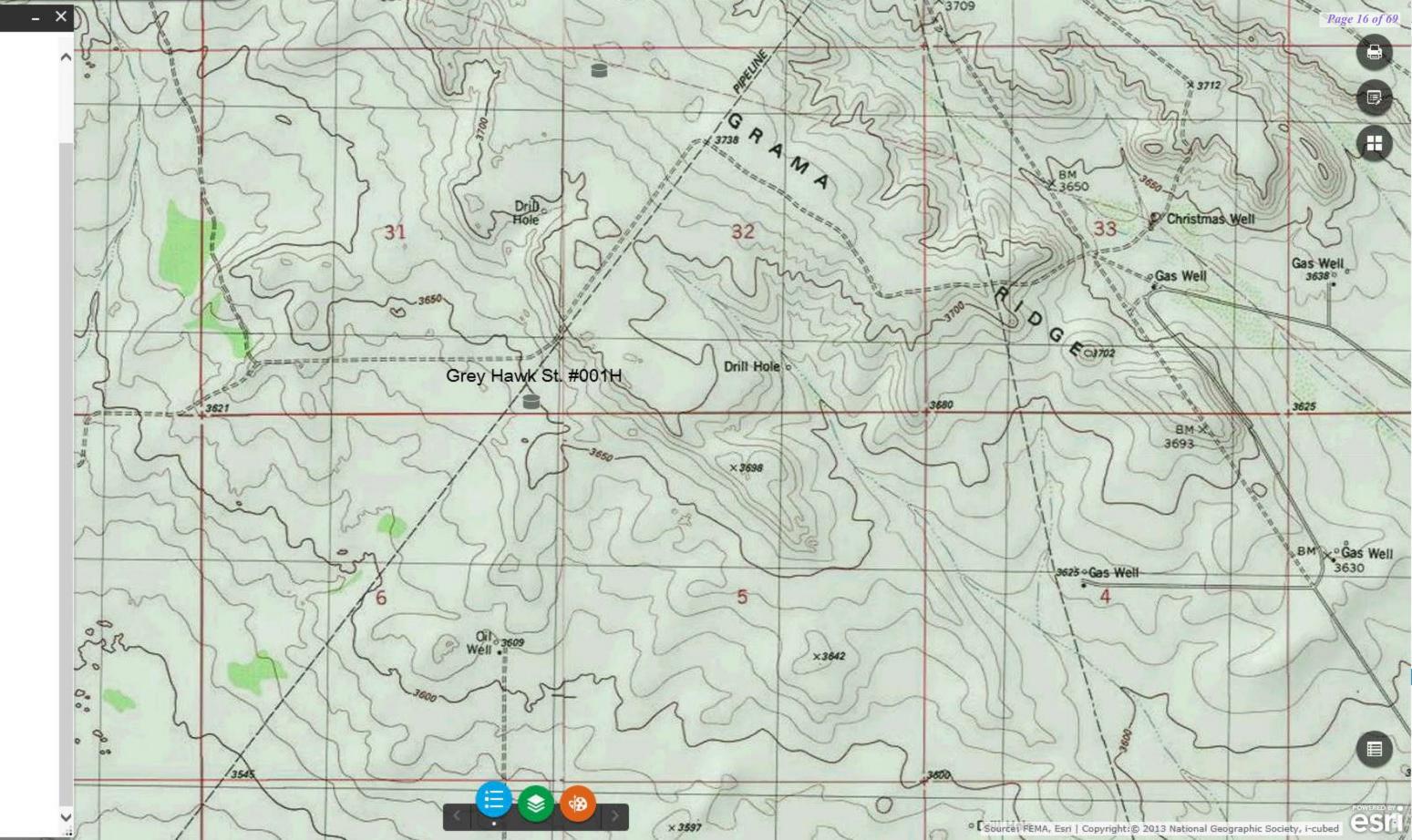
COG - Environmental

Environmental

Mine Workings

Karst Occurance Areas

- High
- Low
 - Medium



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

(A CLW##### in the POD suffix indicates the	(R=POD has been replaced,													
POD has been replaced	O=orphaned,	,								、				
& no longer serves a water right file.)	C=the file is closed)	•	•					z=ne a	B=SW 4=SE) AD83 UTM in me	ators)	(n feet)	
water fight file.)	POD	,,	Jua	lei	5 a	10 31	nanea		gest) (14/			(I	in ieetj	
	Sub-		0	Q	0							Donth	Donth	Water
POD Number	Code basin Co	untv				Sec	Tws	Rna	х	Y	Distance			Column
CP 00600 POD1		LE					21S	•	639152	3591054* 🌍	2568	65		
CP 00597 POD1	CP I	LE		2	2	08	22S	34E	642410	3587074* 🌍	2575	35		
CP 01720 POD1	CP I	LE	1	3	2	08	22S	34E	642003	3586723 🌍	2644	1190	824	366
CP 00588 POD1	CP I	LE		3	2	33	21S	34E	643583	3589918* 🌍	2930	89		
CP 00589 POD1	CP I	LE		3	2	33	21S	34E	643583	3589918* 🌍	2930	84		
										Avera	ge Depth to	Water:	824	feet
											Minimum	Depth:	824	feet
											Maximum	Depth:	824	feet
Record Count: 5				_										
Basin/County Searc	<u>h:</u>													
County: Lea														
UTMNAD83 Radius	Search (in meters	;): :												

Easting (X): 640779

Northing (Y): 3589067

Radius: 3000

*UTM location was derived from PLSS - see Help

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

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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	PC	DD Number	Q64	4 Q16	Q4	Sec	Tws	Rng)	K Y	(
NA	CF	9 01720 POD1	1	3	2	08	22S	34E	642003	3 3586723	3 🌍
Driller Licen	se:	421	Driller (Compa	any	: GL	ENN	I'S WAT		SERVICE	
Driller Name	:	CORKY GLENN									
Drill Start Da	te:	05/02/2019	Drill Fin	hish Da	ate	:	05/	07/2019	9 Plu	g Date:	
Log File Date	e:	06/05/2019	PCW Re	cv Dat	e:				So	irce:	Artesian
Pump Type:			Pipe Dis	schar	ge \$	Size:			Est	imated Yie	ld: 100 GPM
Casing Size:		8.13	Depth V	Vell:			119	0 feet	Dej	oth Water:	824 feet
v	late	r Bearing Stratific	ations:	Т	эр	Bott	om	Descri	ption		
				8	24	11	09	Sandst	one/Grave	el/Conglom	erate
				11	09	11	40	Sandst	one/Grave	el/Conglom	erate
				11	40	11	71	Sandst	one/Grave	el/Conglom	erate
		Casing Perfo	rations:	Т	р	Botte	om				
				72	28	11	90				

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.

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February 26, 2020

SHELDON HITCHCOCK COG OPERATING P. O. BOX 1630 ARTESIA, NM 88210

RE: GREY HAWK ST. #1

Enclosed are the results of analyses for samples received by the laboratory on 02/25/20 9:50.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



NONE GIVEN

COG - LEA CO NM

Sample Received By:

02/24/2020

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE 02/25/2020 Sampling Date: 02/26/2020 GREY HAWK ST. #1 Sampling Condition:

Sample ID: B - 1 0.5' (H000581-01)

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/25/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	97.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101 9	% 42.2-15	6						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE Received: 02/25/2020 Sampling Date: 02/24/2020 Reported: 02/26/2020 Sampling Type: Soil Project Name: GREY HAWK ST. #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker Project Location: COG - LEA CO NM

Sample ID: B - 2 0.5' (H000581-02)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/25/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE Received: 02/25/2020 Sampling Date: 02/24/2020 Reported: 02/26/2020 Sampling Type: Soil Project Name: GREY HAWK ST. #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker Project Location: COG - LEA CO NM

Sample ID: B - 3 0.5' (H000581-03)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/25/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	95.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.5	% 42.2-15	6						

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COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE Received: 02/25/2020 Sampling Date: 02/24/2020 Reported: 02/26/2020 Sampling Type: Soil Project Name: GREY HAWK ST. #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker Project Location: COG - LEA CO NM

Sample ID: B - 4 0.5' (H000581-04)

BTEX 8021B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/25/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	% 42.2-15	6						

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		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 5 0.5' (H000581-05)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/25/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104 9	% 42.2-15	6						

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		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 6 0.5' (H000581-06)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 7 0.5' (H000581-07)

BTEX 8021B	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE Received: 02/25/2020 Sampling Date: 02/24/2020 Reported: 02/26/2020 Sampling Type: Soil Project Name: GREY HAWK ST. #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker Project Location: COG - LEA CO NM

Sample ID: B - 8 3' (H000581-08)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	% 42.2-15	6						

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		P. O. BOX	HITCHCOCK		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 9 3' (H000581-09)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105	% 42.2-15	6						

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	SHE P. C ART	G OPERATING ELDON HITCHCOCK O. BOX 1630 TESIA NM, 88210 < To: NONE		
Received:	02/25/2020		Sampling Date:	02/24/2020
Reported:	02/26/2020		Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM			

Sample ID: B - 10 3' (H000581-10)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	106	% 42.2-15	6						

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		COG OPEF	RATING		
		SHELDON	HITCHCOCK		
		P. O. BOX	1630		
		ARTESIA I	NM, 88210		
		Fax To:	NONE		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1	_		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 11 3' (H000581-11)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	SH P. AR	OG OPERA HELDON H O. BOX 1 RTESIA NN ax To:	ITCHCOCK 630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 12 3' (H000581-12)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					
Surrogate: 1-Chlorooctane	97.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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		COG OPEF	RATING		
		SHELDON	HITCHCOCK		
		P. O. BOX	1630		
		ARTESIA I	NM, 88210		
		Fax To:	NONE		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1	_		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 13 2' (H000581-13)

BTEX 8021B	mg,	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	% 42.2-15	6						

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	SH P. AR	OG OPERAT HELDON HI O. BOX 16 RTESIA NM, ax To:	TCHCOCK 30		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 14 2' (H000581-14)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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	SHE P. C ART	G OPERATING ELDON HITCHCOCK O. BOX 1630 TESIA NM, 88210 < To: NONE		
Received:	02/25/2020		Sampling Date:	02/24/2020
Reported:	02/26/2020		Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM			

Sample ID: B - 15 2' (H000581-15)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



	SHE P. C ART	G OPERATING ELDON HITCHCOCK O. BOX 1630 TESIA NM, 88210 < To: NONE		
Received:	02/25/2020		Sampling Date:	02/24/2020
Reported:	02/26/2020		Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM			

Sample ID: B - 16 2' (H000581-16)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/25/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



	SHE P. C ART	G OPERATING ELDON HITCHCOCK O. BOX 1630 TESIA NM, 88210 < To: NONE		
Received:	02/25/2020		Sampling Date:	02/24/2020
Reported:	02/26/2020		Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM			

Sample ID: B - 17 2' (H000581-17)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	96.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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	SHE P. C ART	G OPERATING ELDON HITCHCOCK O. BOX 1630 TESIA NM, 88210 < To: NONE		
Received:	02/25/2020		Sampling Date:	02/24/2020
Reported:	02/26/2020		Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM			

Sample ID: B - 18 2' (H000581-18)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	% 42.2-15	6						

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	SH P. AR	OG OPERA HELDON H O. BOX 1 RTESIA NN ax To:	ITCHCOCK 630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 19 6' (H000581-19)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	94.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.4	% 42.2-15	6						

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	SH P. AR	OG OPERA HELDON H O. BOX 1 RTESIA NN ax To:	ITCHCOCK 630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 20 6' (H000581-20)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	98.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



	SH P. AR	OG OPERA HELDON H O. BOX 1 RTESIA NN ax To:	ITCHCOCK 630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 21 8' (H000581-21)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	93.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



	SH P. AR	OG OPERA HELDON H O. BOX 1 RTESIA NN ax To:	ITCHCOCK 630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: B - 22 8' (H000581-22)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by	CD: 7Relinquished by: Date: Time:	22/207 Pelinguished by: Date: Time:	Shalden Arri	Relinquished by: Date: Time:	2 B-9	12 8-	10,	t q		2 10-2 0.5	10-10.5	(LAB USE)	LAB # SAMPLE IDENTIFICATION	LANDSXI	Comments:	Receiving Laboratory: (und that	Sheldon Hitchcock	cation: (county,	9	Client Name: COG-Artesia	CONCHO	as Analysis Request of Chain of Custody Record	69 Bage 25 of 27
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	Date: Time:	Date: Time:	Date: Time:					SAMPLE IDENTIFICATION		al	Sheldon Hitchcock		11	esia	0	Custody Record	
ORIGINAL COPY	Received by: Date: Time:	N N	Received by: Date: Time: 0450			11.70		DATE TIME WATER SOIL HCL HNO3		Sampler Name: Sheldon Hitchcock		Project #:	-	Site Manager: Sheldon Hitchcock	One Concho Center/600/Illinois Avenue/Nidland, Texas Tel (432) 683-7443		
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	ン・ノビロト Charges Aduitorized	Sample Temperature	REMARKS:					(C)omposite/(G)rat TPH 8015M (GRC BTEX 8021B Chloride		MRO)			(Circle or Specify Method No.)	EQUEST		Page <u>3</u> of <u>3</u>	



February 26, 2020

SHELDON HITCHCOCK COG OPERATING P. O. BOX 1630 ARTESIA, NM 88210

RE: GREY HAWK ST. #1

Enclosed are the results of analyses for samples received by the laboratory on 02/25/20 9:50.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE Received: 02/25/2020 Sampling Date: 02/24/2020 Reported: 02/26/2020 Sampling Type: Soil Project Name: GREY HAWK ST. #1 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker Project Location: COG - LEA CO NM

Sample ID: SW - 1 (H000582-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	94.6 9	44.3-14	4						
Surrogate: 1-Chlorooctadecane	102 %	6 42.2-15	1						

Cardinal Laboratories

*=Accredited Analyte

Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1	L		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: SW - 2 (H000582-02)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	106	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: SW - 3 (H000582-03)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: SW - 4 (H000582-04)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/26/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: SW - 5 (H000582-05)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/26/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	106	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1	<u>.</u>		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: SW - 6 (H000582-06)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2020	ND	1.91	95.7	2.00	1.86	
Toluene*	<0.050	0.050	02/26/2020	ND	1.92	96.0	2.00	2.00	
Ethylbenzene*	<0.050	0.050	02/26/2020	ND	1.92	96.1	2.00	1.82	
Total Xylenes*	<0.150	0.150	02/26/2020	ND	5.68	94.6	6.00	1.75	
Total BTEX	<0.300	0.300	02/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	14500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/26/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	187	93.6	200	2.27	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	203	101	200	19.8	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	96.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	106	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1	<u>.</u>		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: SW - 7 (H000582-07)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.86	93.0	2.00	4.46	
Toluene*	<0.050	0.050	02/25/2020	ND	1.88	94.1	2.00	4.78	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.89	94.4	2.00	4.79	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.47	91.2	6.00	4.76	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/26/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	195	97.6	200	1.88	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	214	107	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	106 9	% 42.2-15	6						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	02/25/2020			Sampling Date:	02/24/2020
Reported:	02/26/2020			Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM				

Sample ID: SW - 8 (H000582-08)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.86	93.0	2.00	4.46	
Toluene*	<0.050	0.050	02/25/2020	ND	1.88	94.1	2.00	4.78	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.89	94.4	2.00	4.79	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.47	91.2	6.00	4.76	
Total BTEX	<0.300	0.300	02/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	<i>99.7</i>	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/26/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	195	97.6	200	1.88	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	214	107	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					
Surrogate: 1-Chlorooctane	97.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

eceived by	OCD: Relinquished by:	2/22/2007 Relinquished by:	Smilling by:	39	8-158	Su-	1	517		211-	2-11-2	1/20-1	(LAB USE)	Linner	Comments:	Receiving Laboratory:		(county,	Project Name:	Client Name: COG-Artesia	СОИСН	Page 57 of 11 jo 11 ə6ed Pagnalysis Request of Chain of Custody Record
	Date: Time:	Date: Time:											SAMPLE IDENTIFICATION			ar (Sheldon Hitchcock		Haun 5+, 廿一	tesia	0	Custody Record
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(Circle) HAND DELIVERED FEDEX UPS Tracking #:		Sample Temperature Rush Charges Authorized	LAB USE ONLY										(C)omposite/ TPH 8015M BTEX 8021B Chloride	/(G)rab I (GRO	- DRO -	MRO)				ANALYSIS REQUEST		Page of



February 27, 2020

SHELDON HITCHCOCK COG OPERATING P. O. BOX 1630 ARTESIA, NM 88210

RE: GREY HAWK ST. #1

Enclosed are the results of analyses for samples received by the laboratory on 02/27/20 12:55.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	02/27/2020	Sampling Date:	02/27/2020
Reported:	02/27/2020	Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: B - 9 4' (H000635-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Result Reporting Limit		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/27/2020	ND	400	100	400	3.92	

Sample ID: B - 10 4' (H000635-02)

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	02/27/2020	ND	400	100	400	3.92	

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

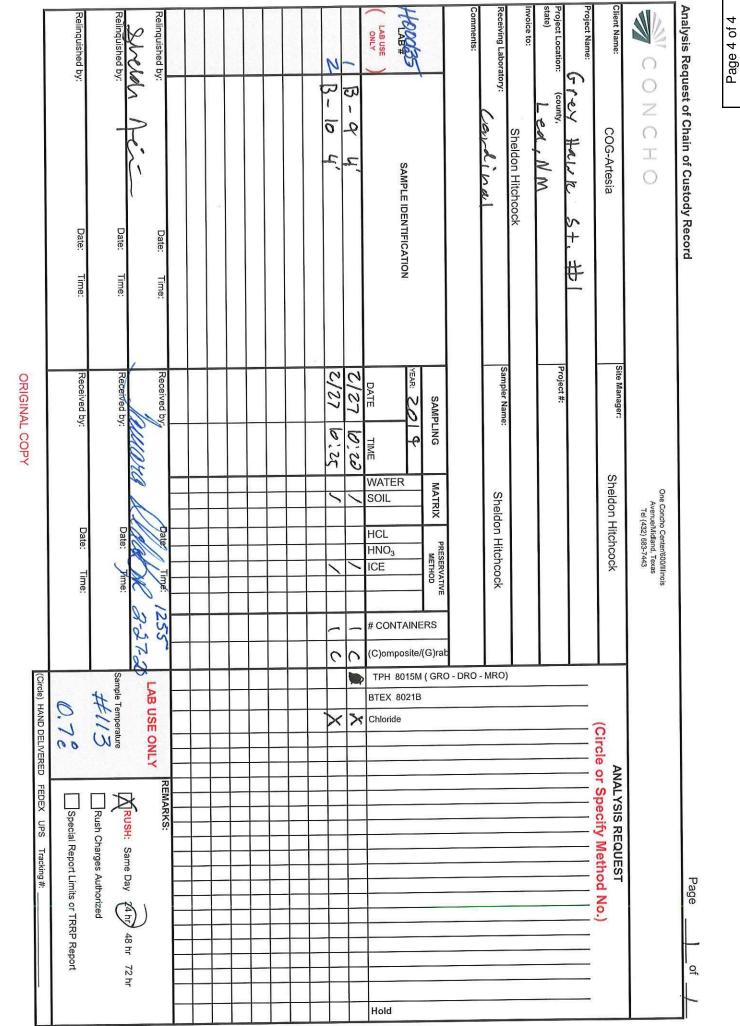
Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 7/22/2020 8:48:39 AM



Page 61 of 69



March 03, 2020

SHELDON HITCHCOCK COG OPERATING P. O. BOX 1630 ARTESIA, NM 88210

RE: GREY HAWK ST. #1

Enclosed are the results of analyses for samples received by the laboratory on 03/02/20 14:10.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	03/02/2020	Sampling Date:	03/02/2020
Reported:	03/03/2020	Sampling Type:	Soil
Project Name:	GREY HAWK ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: B - 9 (H000668-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank BS		% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/03/2020	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

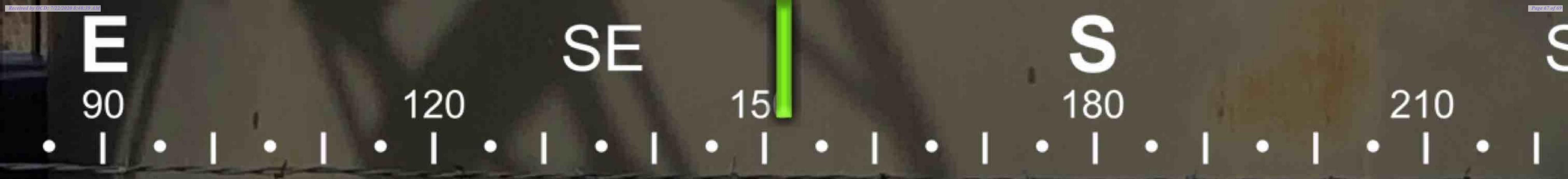
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6	Date: Time:	Date: Time:	Date: Time:			in the second se		SAMPLE IDENTIFICATION			chcock		ル らた 井一	226		stody Record
ORIGINAL COPY	Received by:	Received by:	Received by:				0	D 26 TIME		Sampler Name:		Project #:		Site Manager:		
	Date: Time:	Date: Time:	0/1					WATER SOIL HCL HNO3 ICE # CONTAINERS (C)omposite/(G)rab		Sheldon Hitchcock				Sheldon Hitchcock	One Conctro Center/600/Illinois AvenueMildiand, Texas Tei (432) 883-7443	
(Circle) HAND DELIVERED	0,1c	Sample Temperature	LAB USE ONLY				-	TPH 8015M (GRO BTEX 8021B Chloride	- DRO -	MRO)				(Circla		
FEDEX UPS Tracking #	Special Report Limits or TRRP Report	ARUSH: Same Day 2000 48 hr 72 hr	REMARKS:											ANALYSIS REQUEST		Page 1 of [

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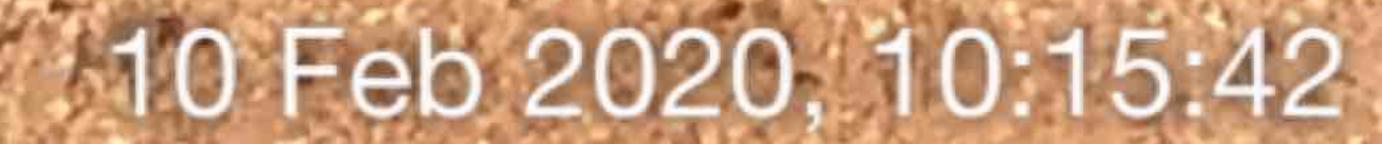
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APPENDIX D













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