Oil Conservation Division

Incident ID	NAPP2303432794
District RP	
Facility ID	
Application ID	

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Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

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

Printed Name: Shawna Martinez Title: Regulator	y Specialist
Signature: MANNA MARTY Date: _	_5/2/2023
email: _Shawna@walsheng.net Telephone: _505-327-489	02
OCD Only	
Received by: Jocelyn Harimon	Date: 05/02/2023
Closure approval by the OCD does not relieve the responsible party of liabili remediate contamination that poses a threat to groundwater, surface water, hu party of compliance with any other federal, state, or local laws and/or regula	man health, or the environment nor does not relieve the responsible
Closure Approved by: <u>Robert Hamlet</u>	Date: <u>9/15/2023</u>
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

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 Harvard Petroleum	OGRID 10155
Contact Name Shawna Martinez	Contact Telephone 505-327-4892
Contact email Shawna@walsheng.net	Incident # (assigned by OCD)nAPP2303432794
Contact mailing address 332 Road 3100 Aztec, NM 87	410

Location of Release Source

Latitude 32.323667____

Longitude -103.815833_____ (NAD 83 in decimal degrees to 5 decimal places)

Site Name Apache to NPG Water Tramsfer Line	Site Type Water Transfer Line
Date Release 2-1-2023	API# (if applicable)

section	Township	Range	County

Surface Owner: State K Federal Tribal Private (Name: _____)

Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 0
	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)
	e pipeline ROW. Harvard Petroleum immediately isol	transfer line. This resulted in the release of 150 bbls of lated the source of the leak. The spill impacted an area of

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Page 3

Oil Conservation Division

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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?	<u>125</u> (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 ¹/₂-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

Topographic/Aerial maps

Laboratory data including chain of custody

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

Received by OCD: 5/2/20 Form C-141	23 2:25:07 PM State of New	Mexico		Page 4 d
			Incident ID	NAPP2303432794
age 4	Oil Conservatio	on Division	District RP	
			Facility ID	
			Application ID	
failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: _Shawna	na matting	a that pose a threat to groundwe the operator of responsibility	ater, surface water, human heal for compliance with any other a 2/2023	th or the environment. In
OCD Only Received by: Jocely	n Harimon	Dat	e: 05/02/2023	

Received by OCD: 5/2/2023 2:25:07 PM State of New Mexico

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

Oil Conservation Division

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Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points M \square 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. Title: Regulatory Specialist Printed Name: Shawna Martinez nawna Mantinez Signature: Date: 5/2/2023 Telephone: 505-327-4892 email: Shawna@walsheng.net **OCD** Only Received by: Jocelyn Harimon Date: 05/02/2023 Approved with Attached Conditions of Approval Approved Denied Deferral Approved Signature: Date:

Released to Imaging: 9/15/2023 11:51:00 AM

Oil Conservation Division

	Page 0 05 182		
Incident ID	NAPP2303432794		
District RP			
Facility ID			

Application ID

Closure

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Description of remediation activities

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Printed Name: Shawna Martinez Title: Regulatory	v Specialist
Signature: MANNA MARTING Date:	_5/2/2023
email: _Shawna@walsheng.net Telephone: _505-327-489	2
OCD Only	
Received by: Jocelyn Harimon	Date: 05/02/2023
Closure approval by the OCD does not relieve the responsible party of liabilit remediate contamination that poses a threat to groundwater, surface water, hur party of compliance with any other federal, state, or local laws and/or regulat	nan health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:
Printed Name:	Title:



CLOSURE REQUEST HARVARD PETROLEUM

Created for submission to New Mexico Oil Conservation Division on 04/21/2023.

JERROD INSKEEP, CES Environmental Manager

ENERGIZING AMERICA

April 21, 2023

Environmental Incident Group

State of New Mexico Energy, Minerals, and Natural Resources New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

RE: CLOSURE REQUEST

ne

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Closure Request on behalf of Harvard Petroleum regarding the release at the Apache to NPG Water Transfer line (Site) located in N-06-23S-31E in Eddy County, New Mexico. The GPS coordinates are as follows: 32.323667 and -103.815833. Surface owner of the Site is Bureau of Land Management (BLM). The Site falls within New Mexico Oil Conservation Division (NMOCD), District 1 Hobbs.

On February 1, 2023, a contractor struck a produced water transfer line. This incident resulted in the release of 150 barrels (bbls) of produced water onto the pipeline Right-of-Way (ROW). Harvard Petroleum immediately isolated the source of the leak. The spill impacted an area of approximately 6,357 sq. ft. as shown in Figure 1.

Wescom personnel arrived onsite on February 07, 2023, to begin delineation sampling. Wescom personnel returned to the Site on March 01, 2023, to hydro vac windows over pipelines and to begin excavation of the release area and to collect final confirmation samples. Remediation of impacted soils in the off-pad release area was completed in accordance with the reclamation standard 19.15.29.13 NMAC.



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SURFACE & GROUND WATER

The New Mexico Office of the State Engineer (OSE) records indicates the nearest depth to groundwater measurement is 125 feet bgs (below ground surface) and is 1,012 feet East of the Site. No playas or lakes are located within a one-mile radius of this Site (Attachment C).

KARST POTENTIAL

According to data from the Bureau of Land Management, this Site is located within medium karst potential as shown in Attachment D. There are no indicators of karst around the Site surface.

TARGET REMEDIAL LEVELS

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. This Site is in the medium karst potential zone and depth to groundwater is 125 feet bgs therefore, the applicable the applicable Recommended Remediation Action Levels (RRALs) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and xylene (BTEX) and 2,500 ppm Total Petroleum Hydrocarbons (TPH) and 1,000 ppm combined Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). A chloride concentration at or below 20,000 mg/kg (ppm) in the soil is also required.

The release area was located off-pad on a pipeline ROW therefore it was remediated in accordance with the reclamation standard 19.15.29.13 NMAC, where all off-pad spill areas must contain a minimum of four feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg.



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Closure Crite	ria (19.15	.29.12.B(4) and Tak	ole 1 NM	AC)			
	Construction of the Article Statement of the A	nsfer Line — 32.32366					
Depth to Groundwater		Closure Criteria (unites in mg/kg)					
		Chloride * numberical limit or background, whichever is greater	ТРН	GRO+DRO	BTEX	Benzene	
Based on high karst potential		600	100		50	10	
No water data within 0.5 mile radius		600	100		50	10	
less than 50 ft bgs		600	100		50	10	
51 ft to 100 ft bgs		10000	2500	1000	50	10	
greater than 100 ft bgs	125 ft	20000	2500	1000	50	10	
Surface Water	Yes or No		If ye	es, then	Station and a	and the second	
< 300 feet from continuously flowing watercourse or other significant watercourse?	No						
< 200 feet from lakebed, sinkhole or playa lake	No						
Water Well or Water Source							
< 500 feet from spring or a private, domestic fresh water							
well used by less than 5 households for domestic or stock	No						
watering purposes?							
< 1000 feet from fresh water well or spring?	No						
Human and Other Areas							
< 300 feet from an occupied permanent residence,	Nie			1 1			
school, hospital, institution or church?	No						
Within incorporated municipal boundaries or within a	NIE						
defined municipal fresh water well field?	No						
< 100 feet from wetland?	No						
Within area overlying a subsurface mine?	No						
Within an unstable area?	No						
Within a 100-year floodplan?	No						

Table: Closure Criteria Statistics

DELINEATION ACTIVITIES

On March 01, 2023, Wescom personnel arrived onsite to conduct horizontal and vertical delineation sampling of the release area as shown in Figure 1. Wescom personnel returned to the Site on March 07, 2023, to recollect vertical delineation sample SS07. A background sample, BG01, was collected 67 feet to the North of the release area, as shown in Figure 1.

Delineation sampling of the release area was completed in accordance with the strictest closure criteria per Table 1 NMAC. A total of 10 samples were jarred and sent to Envirotech, Inc., for laboratory analysis and all samples were below the applicable RRALs for the Site. Delineation sample locations are presented in Figure 1; laboratory analysis results are presented in Table 1 and laboratory analytical reports are included in Attachment E.

REMEDIATION ACTIVITIES

Beginning on March 01, 2023, Wescom personnel arrived onsite to oversee the hydro vac of windows over pipelines. Wescom personnel returned to the Site on March 03, 2023, through March 14, 2023, to oversee the removal of impacted soil and to conduct final confirmation sampling. Wescom personnel returned, again, to the Site on March 21, 2023, to scrape and recollect samples CONF12 and CONF20 Wall and to continue



Energizing America wescominc.com | info@wescominc.com | 218-724-1322 Apache to NPG Water Transfer Line | Incident ID: nAPP23042794 Page 4 of 6 backfill of the excavated area. A backhoe was used to remove approximately 1,920 cubic yards of contaminated soil from the release area and impacted material was hauled to an approved disposal facility.

Wescom personnel collected a total of 35 composite confirmation samples and five composite wall samples over the eight-day sampling and excavation period. All the confirmation samples were below the applicable RRALs for the Site as shown in Table 2. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0. Confirmation sample locations are presented in Figure 3 and laboratory analytical reports are included in Attachment E.

The required 48-hour confirmation sampling notification emails were sent on February 27, 2023, March 7, 2023, and March 17, 2023, to <u>OCD.Enviro@emnrd.nm.gov</u> and are included in Attachment F.

REQUEST FOR CLOSURE

On behalf of Harvard Petroleum, Wescom hereby requests closure for the release associated with incident number nAPP23042794 based on the logic below.

- Depth to water at the Site is 125 feet bgs, as per Attachment D.
- The spill areas have been horizontally and vertically delineated to the strictest criteria per Table1 NMAC, see Figure 2.
- All confirmation areas and samples are below applicable RRALs for the Site; Sidewall samples are below the strictest criteria per Table 1 NMAC.
- Remediation of the spill area has been completed in accordance with 19.15.29.13 NMAC.
- Impacted material was removed and properly disposed of at an approved facility.
- Special Status Plant Species Survey was conducted and observed.
- Prairie Chicken COA area was observed throughout the project; work started after 9 am and stopped before 7 pm.
- 2 Sand Mix seed mix is scheduled to be drilled into the sand at the site during May 2023.

If you have any questions or comments, please do not hesitate to call Mr. Jerrod Inskeep at (432) 770-1888.

Sincerely,

Wescom, Inc.

Jerrod D. Inskeep, CES

Environmental Manager

cc: Shawna Martinez, Walsh Engineering Environmental Incident Group, NMOCD



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REFERENCE MATERIALS

FIGURES

FIGURE 1. Delineation Sampling FIGURE 2. Confirmation Sampling

TABLES

TABLE 1.Laboratory Analysis Results: Delineation Samples**TABLE 2.**Laboratory Analysis Results: Confirmation Samples

ATTACHMENTS

ATTACHMENT A. C-141
ATTACHMENT B. Site Photos
ATTACHMENT C. Closure Criteria Supporting Documents
ATTACHMENT D. Karst Map
ATTACHMENT E. Envirotech Inc. Laboratory Analysis Reports
ATTACHMENT F. 48-hour Confirmation Sampling Notification Emails
ATTACHMENT G. Special Status Plant Species Survey



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FIGURES



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FIGURE 1. DELINEATION SAMPLES

Apache to NPG Water Transfer Line Incident ID: nAPP23042794 GPS Coordinates: 32.323667, -103.815833 Eddy County, New Mexico Devon Energy

LEGEND Delineation Samples Spill Area

ID	TPH	BTEX	Chlorie
BG01	ND	ND	ND
\$\$01	0.1115	ND	ND
5502	ND	ND	ND
\$\$03	ND	ND	ND
5504	ND	ND	ND
\$\$05	ND	ND	ND
\$\$06	ND	ND	ND
SS07	ND	ND	10800
SS08	ND	ND	9





TABLES



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		Harvard F	Petroleum	n 03.16.20	23		
Table 1. Laboratory Analysis Results: Delineation Sample							
Sample Description			Pet	roleum Hydro	carbons	Inorganio	
			V	olatile	Extractable		
			Benzene	Total BTEX	TPH	Chloride	
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)	
Closure Cri	teria		10	50	100	600	
BG01	1	2/7/2023	ND	ND	ND	ND	
SS01	0	2/7/2023	ND	0.1115	ND	ND	
SS02	0	2/7/2023	ND	ND	ND	ND	
SS03	0	2/7/2023	ND	ND	ND	ND	
SS04	0	2/7/2023	ND	ND	ND	ND	
SS05	0	2/7/2023	ND	ND	ND	ND	
SS06	0	2/7/2023	ND	ND	ND	ND	
SS07	16	3/7/2023	ND	ND	ND	10800	
SS08	4	2/7/2023	ND	ND	ND	95.4	
ABBREVIAT	IONS						
BTEX — Benzei	ne, Toluene, Eth	ylene, Xylene		GRO — Gasoline Ra	ange Organics		
DRO — Diesel	Range Organics			ND — Non-detect			
ft. — Feet				mg/kg — Milligram	s per Kilogram		
TPH — Total Pe	etroleum Hydrod	arbons					
Notes					A Street Street		
Bold Red - Res	ults are above c	losure criteria					
Gray Highlight	- Background Sa	Imples					



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		and the second se	rd Petro	a second s	4.2023		and the second second
		the second s	Analysis	Results: Co	and the second sec	the second second second second second second second	
Sam	ole Descript	tion			Hydrocarbons		Inorganic
			V	olatile	Extrac	table	
			Benzene	Total BTEX	TPH	GRO+DRO	Chloride
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)
Closure Criter	ia		10	50	2500	1000	20000
CONF01	4	3/13/2023	ND	ND	ND	ND	319
CONF02	4	3/13/2023	ND	ND	ND	ND	509
CONF03	4	3/13/2023	ND	ND	ND	ND	2660
CONF04	4	3/13/2023	ND	ND	ND	ND	11200
CONF05	4	3/13/2023	ND	ND	30.3	30.3	3310
CONF06	4	3/13/2023	ND	ND	ND	ND	4660
CONF07	4	3/13/2023	ND	ND	ND	ND	3610
CONF08	4	3/13/2023	ND	ND	ND	ND	5410
CONF09	4	3/13/2023	ND	ND	ND	ND	4320
CONF10	4	3/13/2023	ND	ND	ND	ND	3720
CONF11	4	3/13/2023	ND	ND	ND	ND	14500
CONF12	4	3/13/2023	ND	ND	ND	ND	24200
CONF12	4	3/21/2023	ND	ND	ND	ND	15300
CONF13	4	3/13/2023	ND	ND	ND	ND	14200
CONF14	4	3/13/2023	ND	ND	ND	ND	12200
CONF15	4	3/13/2023	ND	ND	ND	ND	5240
CONF16	4	3/13/2023	ND	ND	ND	ND	3130
CONF17	4	3/13/2023	ND	ND	ND	ND	2340
CONF18	4	3/13/2023	ND	ND	ND	ND	558
CONF19	4	3/13/2023	ND	ND	ND	ND	4420
CONF20 Wall	2	3/14/2023	ND	ND	ND	ND	873
CONF20 Wall	2	3/21/2023	ND	ND	ND	ND	ND
ABBREVIATION	IS						
BTEX — Benzene, T	oluene, Ethyle	ne, Xylene		GRO — Gasoline Ra	inge Organics		
DRO — Diesel Rang	ge Organics			ND — Non-detect			
t. — Feet			i	mg/kg — Milligrams	s per Kilogram		
PH — Total Petrol	eum Hydrocarl	oons					
Notes	Contraction of the						

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		Harva	ard Petrol	leum 03.2	4.2023		
	Table 2.	Laboratory	/ Analysis	Results: Co	nfirmation	Samples	
Sam	ple Descript	tion		Petroleum	Hydrocarbon	s	Inorganic
			V	olatile	Extra	ctable	
			Benzene	Total BTEX	TPH	GRO+DRO	Chloride
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)
Closure Criter	ria		10	50	2500	1000	20000
CONF21 Wall	2	3/14/2023	ND	ND	ND	ND	873
CONF22 Wall	2	3/14/2023	ND	ND	ND	ND	ND
CONF23 Wall	2	3/14/2023	ND	ND	ND	ND	ND
CONF24 Wall	2	3/14/2023	ND	ND	ND	ND	ND
CONF25	4	3/14/2023	ND	ND	ND	ND	7380
CONF26	4	3/14/2023	ND	ND	ND	ND	4010
CONF27	4	3/14/2023	ND	ND	ND	ND	2670
CONF28	4	3/14/2023	ND	ND	ND	ND	4810
CONF29	4	3/14/2023	ND	ND	ND	ND	2660
CONF30	4	3/14/2023	ND	ND	ND	ND	656
CONF31	4	3/14/2023	ND	ND	ND	ND	1170
CONF32	4	3/14/2023	ND	ND	ND	ND	5330
CONF33	4	3/14/2023	ND	ND	ND	ND	2990
CONF34	4	3/14/2023	ND	ND	ND	ND	2020
CONF35	4	3/14/2023	ND	ND	ND	ND	1100
CONF36	4	3/14/2023	ND	ND	ND	ND	3710
CONF37	4	3/14/2023	ND	ND	ND	ND	4410
CONF38	4	3/14/2023	ND	ND	ND	ND	2750
CONF39	4	3/14/2023	ND	ND	ND	ND	3360
CONF40	4	3/14/2023	ND	ND	ND	ND	3360
ABBREVIATIO	NS						
BTEX — Benzene,	Toluene, Ethylei	ne, Xylene	(GRO — Gasoline Rai	nge Organics		
DRO — Diesel Ran	ge Organics		1	ND — Non-detect			
t. — Feet			r	mg/kg — Milligrams	per Kilogram		
PH — Total Petro	leum Hydrocart	oons					
Notes							
Bold Red - Results	are above close	ure criteria					
Gray Highlight - Ba	ckground Sam	oles					



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ATTACHMENT A

C-141



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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	nAPP230342794
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Harvard Petroleum	OGRID 10155
Contact Name Shawna Martinez	Contact Telephone 505-327-4892
Contact email Shawna@walsheng.net	Incident # (assigned by OCD)nAPP2303432794
Contact mailing address 332 Road 3100 Aztec, NM 1	37410

Location of Release Source

Latitude 32.323667_

Longitude -103.815833_ (NAD 83 in decimal degrees to 5 decimal places)

Site Name Apache to NPG Water Transfer Line	Site Type Water Transfer Line
Date Release Discovered 2-1-2023	API# (If applicable)

Unit Letter	Section	Township	Range	County
N	06	23\$	31E	Eddy

Surface Owner: State K Federal I Tribal Private (Name:

Nature and Volume of Release

Crude Oil	rial(s) Released (Select all that apply and attach calculations or speci Volume Released (bbls)	Volume Recovered (bbls)
X Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 0
	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 Contrattached pictures.	actor struck produced water transfer line. Contractor is	mmediately isolated the source of the leak. Please find
	E OF RELEASE HAS WRONG SECTION, TOWNSH D SUBMIT THIS, AS A WATER TRANSFER LINE F	

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ived by OCD: 5/2/2023 2.	:25:07 PM		- Page 22
Form C-141	State of New Mexico		
Page 2	Oil Conservation Division	Incident ID	nAPP230342794
-		District RP	
		Facility ID Application ID	
		Application in	Į
Was this a major release as defined by 19.15.29.7(A) NMAC? X Yes No	If YES, for what reason(s) does the responsible par The volume that was released 150 BBLs Produce	ty consider this a major release? ed Water	
If YES, was immediate n	otice given to the OCD? By whom? To whom? Wh	ien and by what means (phone, et	mail, etc)?
The responsible j	Initial Respons		result in injury
The source of the rele	ase has been stopped.		
I The impacted area ha	s been secured to protect human health and the envir	onment,	1
Released materials ha	we been contained via the use of berms or dikes, abs	orbent nads, or other containmen	t devices.
	coverable materials have been removed and manage	a -	
If all the actions described	I above have <u>not</u> been undertaken, explaîn why:		
has begun, please attach a within a lined containmen	AC the responsible party may commence remediation a narrative of actions to date. If remedial efforts ha t area (see 19.15.29.11(A)(5)(a) NMAC), please atta- mation given above is true and complete to the best of my	we been successfully completed the all information needed for clo	or if the release occurred sure evaluation.
regulations all operators are a	required to report and/or file certain release notifications an tent. The acceptance of a C-141 report by the OCD does r	nd perform corrective actions for rela	ases which may endanger

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:Shawna Martinez	Title: _Regulatory Specialist	
Signature:	Date:2-3-2023	_
email: _Shawna Martinez	Telephone:505-327-4892	
OCD Only		
Received by:	Date:	
	Date:	

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ATTACHMENT B

Site Photos



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Spill Area - West End



Spill Area West End

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Spill Area - Center of Spill



Spill Area - Center of Spill



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Spill Area - East End



Scrape Area - East End



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Apache to NPG Water Transfer Line | Incident ID: nAPP230342794218-724-1322Page 4 of 16



Delineation - West End



Delineation - East End



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Hydrovac Pipelines - East End



Hydrovac Pipelines - East End

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Moving Lay Flat Line Out of Excavation Area



Moving Lay Flat Line Out of Excavation Area

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Hydrovac Pipelines - Middle Area



Excavated Area - East End



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Hydrovac Pipelines - Middle Area



Excavated Area - West End



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Excavated Area - East End



Excavated Area - East End



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 Apache to NPG Water Transfer Line | Incident ID: nAPP230342794

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Hydrovac Pipelines - West End



Excavated Area - Middle of Spill

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Excavated Area - Middle of Spill



Excavated Area - West End

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Confirmation Sampling - West End



Confirmation Sampling - East End

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Excavated Area - East End



Excavated Area - Middle of Spill



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Backfilled Excavation



Backfilled Excavation

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03/28/2023 - Final Backfilled Excavation



03/28/2023 - Final Backfilled Excavation



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ATTACHMENT C

Closure Criteria Supporting Documents

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New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	1.0750	D Numb 02492 P	er ((quarters	are 1=NW 2=NE 3 are smallest to lar 5 Q4 Sec Tws 2 07 23S	gest) (NA Rng	D83 UTM in meters) X Y 1767 3576996	9
Driller Licens	se:	1509		er Com	bany: BMS D	RILLING CO	MPANY	
Driller Name:		ROYBA	L, JOE D. (LD)					
Drill Start Da	te:	05/14/20	D12 Drill	Finish	Date: 05/	31/2012	Plug Date:	
Log File Date	e:	08/27/20	013 PCW	/ Rcv D	ate:		Source:	Shallow
Pump Type:			Pipe	Discha	rge Size:		Estimated Yield	I: 30 GPM
Casing Size:		6.00	Dept	h Well:	400) feet	Depth Water:	125 feet
M	leter	Numbe	r: 16563	6	Meter M	ake:	MASTERMETE	R
M	leter	Serial N	lumber: 53527	168	Meter M	ultiplier:	1.0000	
N	umb	er of Di	als: 9		Meter T	ype:	Diversion	
U	nit c	of Measu	ire: Gallor	IS	Return	Flow Percen	it:	
U	sage	e Multip			Reading	g Frequency	: Monthly (No Re Expected)	eading
Meter Rea	adin	gs (in A	cre-Feet)					
Read D	ate	Year	Mtr Reading	Flag	Rdr Comme	nt	Mtr	Amount Online
01/01/2	015	2015	39508400	А	RPT			0
04/01/2	015	2015	47638000	А	RPT			24.949
04/30/2	015	2015	51651000	А	RPT			12.315
05/31/2	015	2015	56066600	А	RPT			13.551
07/01/2	015	2015	58740300	А	RPT			8.205
08/01/2	015	2015	62357200	А	RPT			11.100
08/31/2	015	2015	66100700	А	RPT			11.488
10/01/2	015	2015	69225500	А	RPT			9.590
12/01/2	2015	2015	76310300	А	RPT			21.742
01/01/2		2016	76310300	A	RPT			0
02/01/2			76310300	A	RPT			0
03/02/2		2016	78841100	A	RPT			7.767
04/01/2			80952800	A	RPT			6.481
05/01/2			82055300	A	RPT			3.383 10.895
06/01/2			85605600	A	RPT			7.704
07/01/2			88115890	A	RPT			0
07/02/2			22996000	A	RPT			2.626
08/01/2 10/01/2			23851600 29486000	A A	RPT RPT			17.291
10/01/2	_010	2010	20100000		18 MA 1			

2/8/23 9:05 AM

Meter Reading	gs (in Ac	cre-Feet)				
Read Date	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amou	nt Online
11/01/2016	2016	29738900	А	RPT	0.77	76
12/01/2016	2016	29738900	А	RPT		0
12/31/2016	2016	29738900	А	RPT		0
**YTD Mete	r Amou	nts: Year	A	mount		
		2015	1	12.940		
		2016	;	56.923		

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

2/8/23 9:05 AM



Estuarine and Marine Deepwater Estuarine and Marine Wetland

100

Freshwater Forested/Shrub Wetland

Freshwater Pond

Other Riverine Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

Received by OCD: 5/2/2023 2:25:07 PM

Active Mines Near Apache to NPG Water Transfer Line



EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)





Apache to NPG Water Transfer Line -Riverine 0.76 Miles



February 8, 2023 Image: Constraint of the system of th

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

> National Wetlands Inventory (NWI) This page was produced by the NWI mapper



National Wetlands Inventory (NWI) This page was produced by the NWI mapper

ATTACHMENT D

Karst Map



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Apache to NPG Water Transfer Line | Incident ID: nAPP23042794



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports



Energizing America wescominc.com | info@wescominc.com | 218-724-1322

Apache to NPG Water Transfer Line | Incident ID: nAPP23042794



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Harvard Petroleum Co

Project Name:	Apache to NPG Water Transfer Line
Work Order:	E302052
Job Number:	21022-0001
Received:	2/9/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 2/14/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 2/14/23

Ashley Giovengo 200 E 2nd St Roswell, NM 88201



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Project Name: Apache to NPG Water Transfer Line Workorder: E302052 Date Received: 2/9/2023 8:10:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/9/2023 8:10:00AM, under the Project Name: Apache to NPG Water Transfer Line.

The analytical test results summarized in this report with the Project Name: Apache to NPG Water Transfer Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759

ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Received by OCD: 5/2/2023 2:25:07 PM

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		Sample Sum	mary				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	Apache to NPG Wa 21022-0001 Ashley Giovengo	ater Transfer Line	Reported: 02/14/23 13:35		
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
SS01-0'	E302052-01A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
SS02-0'	E302052-02A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
SS03-0'	E302052-03A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
5804-0'	E302052-04A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
SS05-0'	E302052-05A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
SS06-0'	E302052-06A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
SS08-4'	E302052-07A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
SS08-5'	E302052-08A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		
BG01-1'	E302052-09A	Soil	02/07/23	02/09/23	Glass Jar, 2 oz.		



Harvard Petroleum Co	Project Nam	e: Apa	che to NPG				
200 E 2nd St	Project Num	ber: 210	21022-0001				Reported:
Roswell NM, 88201	Project Mana	ager: Ash	ley Gioveng	go			2/14/2023 1:35:21PN
		SS01-0'					
		E302052-01					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	I	Analyst: SI	Ú		Batch: 2306065
Benzene	ND	0.0250	1		02/09/23	02/10/23	
Ethylbenzene	ND	0.0250	1		02/09/23	02/10/23	
Toluene	0.0357	0.0250	1		02/09/23	02/10/23	
o-Xylene	ND	0.0250	1		02/09/23	02/10/23	
o,m-Xylene	0.0758	0.0500	1		02/09/23	02/10/23	
Total Xylenes	0.0758	0.0250	1		02/09/23	02/10/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130		02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SI	-		Batch: 2306065
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/09/23	02/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130		02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM			Batch: 2306067
Diesel Range Organics (C10-C28)	ND	25.0	1		02/09/23	02/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1		02/09/23	02/10/23	
Surrogate: n-Nonane		96.1 %	50-200		02/09/23	02/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: B	4		Batch: 2306073
Chloride	ND	20.0	1		02/09/23	02/11/23	



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	•	ampic D	aca			
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nam Project Num Project Man	ber: 210	ache to NPG Wate 22-0001 lley Giovengo	er Transfer Line		Reported: 2/14/2023 1:35;21PM
		SS02-0'				
		E302052-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch; 2306065
Benzene	ND	0.0250	1	02/09/23	02/10/23	
Bthylbenzene	ND	0.0250	I	02/09/23	02/10/23	
foluene	ND	0.0250	1	02/09/23	02/10/23	
-Xylene	ND	0.0250	1	02/09/23	02/10/23	
o,m-Xylene	ND	0.0500	1	02/09/23	02/10/23	
Total Xylenes	ND	0.0250	1	02/09/23	02/10/23	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2306065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/09/23	02/10/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	02/09/23	02/10/23	
ionhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2306067
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/23	02/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	02/09/23	02/10/23	
urrogate: n-Nonane		98.0 %	50-200	02/09/23	02/10/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2306073
hloride	ND	20.0	1	02/09/23	02/11/23	

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		Sample D				
Harvard Petroleum Co	Project Nam	ne: Ap	ache to NPG	Water Transfer Line		
200 E 2nd St	Project Num	nber: 210	22-0001			Reported:
Roswell NM, 88201	Project Man	ager: Asl	iley Giovengo	i i i i i i i i i i i i i i i i i i i		2/14/2023 1:35:21PM
		SS03-0'				
		E302052-03				
		Reporting	5			
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: SL		Batch: 2306065
Benzene	ND	0.0250	1	02/09/23	02/09/23	
Ethylbenzene	ND	0.0250	1	02/09/23	02/09/23	
Foluene	ND	0.0250	1	02/09/23	02/09/23	
p-Xylene	ND	0.0250	1	02/09/23	02/09/23	
o,m-Xylene	ND	0.0500	1	02/09/23	02/09/23	
Total Xylenes	ND	0.0250	1	02/09/23	02/09/23	
urrogate: 4-Bromochlorobenzene-PID		109 %	70-130	02/09/23	02/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: SL		Batch: 2306065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/09/23	02/09/23	
urrogate: 1-Chloro-4-fluorobenzene-FID	en a contres al les mores	97.4 %	70-130	02/09/23	02/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2306067
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/23	02/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	02/09/23	02/10/23	
urrogate: n-Nonane		100 %	50-200	02/09/23	02/10/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2306073
Chloride	ND	20.0	1	02/09/23	02/11/23	



.

Sample Data Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 Reported: Roswell NM, 88201 Project Manager: Ashley Giovengo 2/14/2023 1:35:21PM SS04-0' E302052-04 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organics by EPA 8021B mg/kg mg/kg Analyst: SL Batch: 2306065 Benzene ND 0.0250 1 02/09/23 02/10/23 Ethylbenzene ND 0.0250 I 02/09/23 02/10/23 Toluene ND 0.0250 1 02/09/23 02/10/23 o-Xylene ND 0.0250 1 02/09/23 02/10/23 p,m-Xylene ND 0.0500 1 02/09/23 02/10/23 Total Xylenes ND 0.0250 1 02/09/23 02/10/23 Surrogate: 4-Bromochlorobenzene-PID 104 % 02/09/23 70-130 02/10/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: SL Batch: 2306065 Gasoline Range Organics (C6-C10) ND 1 20.0 02/09/23 02/10/23 Surrogate: 1-Chloro-4-fluorobenzene-FID 98.7 % 02/09/23 70-130 02/10/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: KM Batch: 2306067 Diesel Range Organics (C10-C28) ND 25.0 1 02/09/23 02/10/23

Oil Range Organics (C28-C36)	ND	50.0	1	02/09/23	02/10/23	
Surrogate: n-Nonane	_	98.3 %	50-200	02/09/23	02/10/23	, <u></u> _
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2306073
Chloride	ND	20.0	1	02/09/23	02/11/23	



	N-	ampic D				
Harvard Petroleum Co 200 E 2nd St	Project Name					
Roswell NM, 88201	Project Num Project Mana		22-0001 ley Giovengo			Reported: 2/14/2023 1:35:21PM
		iger: Asi	ley Giovengo			2/14/2023 1:35:21PM
		SS05-0'				
		E302052-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2306065
Benzene	ND	0.0250	1	02/09/23	02/10/23	
Sthylbenzene	ND	0.0250	1	02/09/23	02/10/23	
Toluene	ND	0.0250	1	02/09/23	02/10/23	
o-Xylene	ND	0.0250	1	02/09/23	02/10/23	
,m-Xylene	ND	0.0500	I	02/09/23	02/10/23	
fotal Xylenes	ND	0.0250	1	02/09/23	02/10/23	
urrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2306065
Jasoline Range Organics (C6-C10)	ND	20.0	1	02/09/23	02/10/23	
urrogate: I-Chloro-4-fluorobenzene-FID		98.4 %	70-130	<i>02/09/23</i>	02/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KM			Batch: 2306067
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/23	02/10/23	
Dil Range Organics (C28-C36)	ND	50.0	I	02/09/23	02/10/23	
urrogate: n-Nonane		101 %	50-200	02/09/23	02/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2306073
Chloride	ND	20,0	1	02/09/23	02/11/23	



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	5	Sample D	ata				
Harvard Petroleum Co	Project Nam	ne: Apa	ache to NF	G Water	Transfer Line		
200 E 2nd St	Project Num	ber: 210	22-0001				Reported:
Roswell NM, 88201	Project Man	ager: Asł	nley Giove	ngo			2/14/2023 1:35:21PM
		SS06-0'					
		E302052-06					
		Reporting	5				
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst	: SL		Batch: 2306065
Benzene	ND	0.0250		1	02/09/23	02/10/23	
Ethylbenzene	ND	0.0250		1	02/09/23	02/10/23	
Toluene	ND	0.0250		1	02/09/23	02/10/23	
p-Xylene	ND	0.0250		1	02/09/23	02/10/23	
o,m-Xylene	ND	0.0500		1	02/09/23	02/10/23	
Total Xylenes	ND	0.0250		1	02/09/23	02/10/23	
urrogate: 4-Bromochlorobenzene-PID		106 %	70-130		02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2306065
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/09/23	02/10/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130		02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2306067	
Diesel Range Organics (C10-C28)	ND	25.0		1	02/09/23	02/10/23	
Dil Range Organics (C28-C36)	ND	50.0		1	02/09/23	02/10/23	
urrogate: n-Nonane		99.3 %	50-200		02/09/23	02/10/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2306073
Chloride	ND	20.0		1	02/09/23	02/11/23	



	<u> </u>	sample D				
Harvard Petroleum Co	Project Nam	ie: Ap	ache to NPG V			
200 E 2nd St	Project Num	ber: 210				
Roswell NM, 88201	Project Man	ager: Asł	ley Giovengo			2/14/2023 1:35:21PM
		SS08-4'				
		E302052-07				
		Reporting	1			
Analyte	Result	Limit	Dilutic	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: SL		Batch: 2306065
Benzene	ND	0.0250	1	02/09/23	02/10/23	
Ethylbenzene	ND	0.0250	1	02/09/23	02/10/23	
Foluene	ND	0.0250	1	02/09/23	02/10/23	
p-Xylene	ND	0.0250	1	02/09/23	02/10/23	
o,m-Xylene	ND	0.0500	1	02/09/23	02/10/23	
fotal Xylenes	ND	0.0250	1	02/09/23	02/10/23	
urrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2306065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/09/23	02/10/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	02/09/23	02/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM		Batch: 2306067	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/09/23	02/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	02/09/23	02/10/23	
urrogate: n-Nonane		101 %	50-200	02/09/23	02/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2306073
Chloride	95.4	20.0	1	02/09/23	02/11/23	



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Sample Data Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 Reported: Roswell NM, 88201 Project Manager: Ashley Giovengo 2/14/2023 1:35:21PM BG01-1' E302052-09 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organics by EPA 8021B Analyst: SL mg/kg mg/kg Batch: 2306065 Benzene ND 0.0250 1 02/09/23 02/10/23 Ethylbenzene ND 0.0250 ł 02/09/23 02/10/23 Toluene ND 0.0250 1 02/09/23 02/10/23 o-Xylene ND 02/09/23 0.0250 ł 02/10/23 p,m-Xylene ND 0.0500 1 02/09/23 02/10/23 Total Xylenes ND 02/09/23 0.0250 1 02/10/23 Surrogate: 4-Bromochlorobenzene-PID 102 % 70-130 02/09/23 02/10/23 mg/kg Analyst: SL Nonhalogenated Organics by EPA 8015D - GRO mg/kg Batch: 2306065 ND 1 02/09/23 02/10/23 Gasoline Range Organics (C6-C10) 20.0 Surrogate: 1-Chloro-4-fluorobenzene-FID 97.1 % 70-130 02/09/23 02/10/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg Analyst: KM mg/kg Batch: 2306067 Diesel Range Organics (C10-C28) ND 02/10/23 25.0 1 02/09/23 Oil Range Organics (C28-C36) ND 50.0 02/09/23 02/10/23 E Surrogate: n-Nonane 105 % 02/09/23 02/10/23 50-200 Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA Batch: 2306073 Chloride ND 1 02/09/23 20,0 02/11/23

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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	:	Apache to NPG 21022-0001 Ashley Giovenį		ansfer Lin	e		Reported: 2/14/2023 1:35:21PM
		Volatile Or	rganics	by EPA 802	21B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
······································	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2306065-BLK1)							Prepared: 0	2/09/23 A	nalyzed: 02/09/23
Benzene	ND	0.0250		· · · ·					11419200. 02/07/25
Ethylbenzene	ND	0.0250							
Tolucne	ND	0.0250							
D-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.76	0.0250	8.00		109	70-130			
LCS (2306065-BS1)							Prenared: 0	0/00/73 A	nalyzed: 02/09/23
Benzene	6.07	0.0250	5.00		121	70-130			indi j 200. 02/05/25
thylbenzene	6.01	0.0250	5.00		120	70-130			
Toluene	6,17	0.0250	5.00		123	70-130			
-Xylene	6.18	0.0250	5.00		123	70-130			
,m-Xylene	12.2	0.0500	10.0		124	70-130			
Total Xylenes	18.4	0.0250	15,0		122	70-130			
lurrogate: 4-Bromochlorobenzene-PID	8.81	0.0200	8.00	·	110	70-130		-	
Matrix Spike (2306065-MS1)				Source:	E302052-	03	Prepared: 02	2/09/23 A	nalyzed: 02/09/23
3cnzene	5,31	0.0250	5.00	ND	106	54-133			
thyibenzene	5.25	0.0250	5.00	ND	105	61-133			
oluene	5,40	0.0250	5.00	ND	108	61-130			
-Xylene	5.40	0.0250	5.00	ND	108	63-131			
,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
otal Xylenes	16.0	0.0250	15,0	ND	107	63-131			
urrogate: 4-Bromochlorobenzene-PID	8.73		8.00		109	70-130			
Aatrix Spike Dup (2306065-MSD1)				Source:]	E302052-0	03	Prepared: 02	2/09/23 A	nalyzed: 02/09/23
enzene	5.16	0.0250	5.00	ND	103	54-133	2.90	20	-
thylbenzene	5.10	0.0250	5.00	ND	102	61-133	2.91	20	
oluene	5.25	0.0250	5.00	ND	105	61-130	2.93	20	
-Xylene	5.24	0.0250	5.00	ND	105	63-131	2.99	20	
,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	2,89	20	
otal Xylenes	15,6	0.0250	15.0	ND	104	63-131	2,92	20	
Surrogate: 4-Bromochlorobenzene-PID	8,73		8.00		109	70-130			

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		QC St	umma	ary Dat	a				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	200 E 2nd St				ct Name: Apache to NPG Water Transfer Line ct Number: 21022-0001 ct Manager: Ashley Giovengo				Reported: 2/14/2023 1:35:21PM
	N	onhalogenated O	rganics	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2306065-BLK1)							Prenared: 0		nalyzed: 02/09/23
Gasoline Range Organics (C6-C10)	ND	20.0					Trepared. 0	2109123 1	maryzed. 02/09/25
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130	<u> </u>		·
LCS (2306065-BS2)							Prepared: 0	2/09/23 A	nalyzed: 02/09/23
Gasoline Range Organics (C6-C10)	48.6	20.0	,50,0		97.2	70-130	.	-	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			
Matrix Spike (2306065-MS2)			Source:	E302052-0)3	Prepared: 0	2/09/23 A	nalyzed: 02/09/23	
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	-		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7,90	- · ·	8.00		98.7	70-130			· · · · · · · · · · · · · · · · · · ·
Matrix Spike Dup (2306065-MSD2)				Source:	E302052-0)3	Prepared: 0	2/09/23 A	nalyzed: 02/09/23
Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	5.81	20	-
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.4	70-130			

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		QC St	umma	ry Dat	a						
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	ber: 21022-0001						Reported: 2/14/2023 1:35:21PM		
	Nonh	alogenated Orga	nics by	EPA 80151	D - DRO	/ORO			Analyst: KM		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2306067-BLK1)						Prepared: 0	2/09/23 Ana	lyzed: 02/10/23			
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0									
Surrogate: n-Nonane	53.0	·	50.0		106	50-200					
LCS (2306067-BS1)							Prepared: 0	2/09/23 Ana	lyzed: 02/10/23		
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132					
Surrogate: n-Nonane	51.0		50.0		102	50-200					
Matrix Spike (2306067-MS1)				Source:	E302052-0	Prepared: 0	2/09/23 Апа	lyzed; 02/10/23			
Diesel Range Organics (C10-C28)	246	25,0	250	ND	98.4	38-132			- , <u></u> ,		
Surrogate: n-Nonane	50.7		50.0	i	101	50-200			<u> </u>		
Matrix Spike Dup (2306067-MSD1)				Source: E302052-09 Prepared: (2/09/23 Ana	lyzed: 02/10/23		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	4.67	20			
Surrogate: n-Nonane	51.1		50.0		102	50-200			······		



		QCS	Summa	ry Dat	a				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager	pache to NPG 022-0001 shley Giovens		nsfer Line	Reported: 2/14/2023 1:35:21PM			
		Anions	by EPA 3	00.0/90564	1				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2306073-BLK1)							Prepared: 0	2/09/23	Analyzed: 02/11/23
Chloride	ND	20.0		··					
LCS (2306073-BS1)							Prepared: 0	2/09/23	Analyzed: 02/11/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2306073-MS1)				Source:	01	Prepared: 0	2/09/23	Analyzed: 02/11/23	
Chloride	1750	20.0	250	1380	149	80-120	· · ·		M4
Matrix Spike Dup (2306073-MSD1)				Source:	E302048-(01	Prepared: 0	2/09/23	Analyzed: 02/11/23
Chloride	1620	20.0	250	1380	95,1	80-120	8.03	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	
200 E 2nd St	Project Number:	21022-0001	Reported:
Roswell NM, 88201	Project Manager:	Ashley Giovengo	02/14/23 13:35

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

PO: 43915

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Page_____of____

Client: H	arvard Petro	leum			Bill To															EPA Program	
Project:	Apache to N	PG Wate	r Transfe	r Line	Attention: Wescom Inc	1.0		Lab	WO#	1		Job Number 21072-0001				2D	3D	Standard	CWA	SDW	
and some some some some some some some some	lanager: Asl		engo		Address: 1224 Standpipe Rd	the second s		E3	302	05	2							x			
	1224 Stand				City, State, Zip: Carlsbad, NM	188220						Analy	sis a	nd Metho	d			1.00		RCRA	
	e, Zip: Carls		88220		Phone: 505-382-1211		-											and the second			
	505-382-121				Email: ashley.giovengo@we	scominc.cor	n	015	015									1.1	State		
	shley.gioven	go@wes	cominc.co	om				8 10	oy 81	21	00	0	0.0		WN	1		NM CO	UT AZ	TX	
Report d	ue by:						-	RO	RO	V 80	82	601	le 3(¥		×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Section 1	.ab mber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks		
13:18	2/7/23	Soil	1 Jar		SS01 - 0'		l								x						
13:21	2/7/23	Soil	1 Jar		SS02 - 0'	1	2								x						
13:23	2/7/23	Soil	1 Jar		SS03 - 0'	3	3								x						
13:26	2/7/23	Soil	1 Jar		SS04 - 0'	2	1								x						
13:30	2/7/23	Soil	1 Jar		SS05 - 0'	e	5								x						
13:33	2/7/23	Soil	1 Jar		SS06 - 0'	(0								x						
14:16	2/7/23	Soil	1 Jar		SS08 - 4*	5	7								x						
15:41	2/7/23	Soil	1 Jar	-	SS08 - 5'	4	8								x			Do not run thi	s sample unless S or 100 TPH	508-4' is > 61	
12:21	2/7/23	Soil	1 Jar		BG01 - 1'	9	y				_				x						
Addition	al Instruction	ns: Kep	t on ice, l	Please CC: cole.b	urton@wescominc.com, shar.h	arvester@v	vescor	ninc.	.com	, ash	ley.	giove	ngo(@wescor	minc.	com					
				y of this sample. I am a be grounds for legal a	aware that tampering with or intentionally m ction. Sampled by:	hislabelling the s	ample lo	cation	ı,									eived on ice the day i °C on subsequent d		led or recei	
and		RREA	20 2	2312:	15 Midule	us 2.	-8-0	23	Time	1:19	5	Rece	eived	l on ice:		ab U 7/ N	se On	ly			
Mic	ed by: (Signatur	intel	Date.	8-2) 4:	30 Received by (Signature)	Date 2.	-8-1	13	Time 16	35	1	<u>T1</u>			<u>T2</u>			<u>T3</u>			
Relinquishe	ed by: (Signatur	e	Date 2:	-823 1:12	5 Carth Ch	to 2	19/2	3	Time 8:	10		AVG	Tem	p°c_4	,						
ample Mat	rix: S - Soil, Sd - Si	olid, Sg - Slu	dge, A - Aque	eous, O - Other		Con	tainer	Туре	: g - g	glass,				ag - amb		ss, v -	VOA				
			dge, A - Aque	eous, O - Other	5 CarthClr ss other arrangements are made. Haza						p-p	oly/pl	astic,	ag - amb	er gla			port for the ana	lysis of the	2	

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Released to Imaging: 9/15/2023 11:51:00 AM

Envirotech Analytical Laboratory

Printed: 2/9/2023 9:44:36AM

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Sample Receipt Checklist (SRC)

nt: Harvard Petroleum Co Date Received: $02/09/23 08:10$ ne: (505) 382-1211 Date Logged In: $02/08/23 16:40$ uil: ashley.giovengo@wescominc.com Due Date: $02/15/23 07:00$ (4 day uin of Custody (COC) Yes boes the sample ID match the COC? Yes view and the sample of samples per sampling site location match the COC Yes view as the COC complete, i.e., signatures, dates/times, requested analyses? Yes view all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this disucssion. uple Cooler //as a sample cooler received? Yes vias the sample(s) received intact, i.e., not broken? Yes vias the sample(s) received intact, i.e., not broken? Yes vias the sample received on ice? If yes, the recorded temp is 4° C, i.e., $6^{\circ}+2^{\circ}$ C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling If ovisible ice, record the temperature. Actual sample temperature: 4° C uple Container No Are aqueous VOC samples present? No Are aqueous VOC samples collected in VOA Vials? NA <	Work Order ID: E302052
iii: ashley.giovengo@wescominc.com Due Date: 02/15/23 07:00 (4 day vin of Custody (COC) Ves vooes the sample ID match the COC? Yes vooes the number of samples per sampling site location match the COC Yes vore samples dropped off by client or carrier? Yes voor the complete, i.e., signatures, dates/times, requested analyses? Yes voor the complete, i.e., signatures, dates/times, requested analyses? Yes voor the complete, i.e., signatures, dates/times, requested analyses? Yes voor the complete, i.e., signatures, dates/times, requested analyses? Yes voor the complete in the holding time? Yes voor the complete in the hold in the signatures, dates/times, requested analyses? Yes voor the complete in the hold ing time? Yes voor the complete in the hold ing time? Yes voor the complete in the hold ing time? Yes up the Cooler Yes vis a sample cooler received? Yes vas the sample(s) received intact, i.e., not broken? Yes vas the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes voor the sample spresent? No if yes, were custody/	
Does the sample ID match the COC? Yes Does the number of samples per sampling site location match the COC Yes Vere samples dropped off by client or carrier? Yes Vast the COC complete, i.e., signatures, dates/times, requested analyses? Yes Vere all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in this disucssion. Yes Imple Turn Around Time (TAT) Yes Vid the COC indicate standard TAT, or Expedited TAT? Yes Veres, was cooler received? Yes Vast the sample(s) received intact, i.e., not broken? Yes Vast the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Mare aqueous VOC samples present? No Are aqueous VOC samples present? No Are vOC samples collected in VOA Vials? NA	Logged In By: Alexa Michaels TAT)
booses the number of samples per sampling site location match the COC Yes Vere samples dropped off by client or carrier? Yes Vas the COC complete, i.e., signatures, dates/times, requested analyses? Yes Vere all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this disucssion. Yes uple Turn Around Time (TAT) Yes vid the COC indicate standard TAT, or Expedited TAT? Yes uple Cooler Yes vas the sample (s) received in good condition? Yes Vas the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received wi 15 minutes of sampling If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> mole Container Are aqueous VOC samples present? No Are VOC samples collected in VOA Vials? NA	
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Are VOC samples collected in VOA Vials? NA is the head space less than 6-8 mm (pea sized or less)? NA	
is the head space less than 6-8 mm (pea sized or less)? NA	
Was a trip blank (TB) included for VOC analyses? NA	
A MAR A STREAM AND AND A STREAM AND A STREAM AND AND A STREAM AND AND A STREAM AND	
Are non-VOC samples collected in the correct containers? Yes	
s the appropriate volume/weight or number of sample containers collected? Yes	

Yes

Yes

No

No

NA

No

No

NA

No

NA

Subcontract Lab: NA

29. Was a subcontract laboratory specified by the client and if so who?

Subcontract Laboratory

Sample ID?

Multiphase Sample Matrix

Sample Preservation

Date/Time Collected?

22. Are sample(s) correctly preserved?

Collectors name?

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

20. Were field sample labels filled out with the minimum information:

21. Does the COC or field labels indicate the samples were preserved?

24. Is lab filteration required and/or requested for dissolved metals?

26. Does the sample have more than one phase, i.e., multiphase?

28. Are samples required to get sent to a subcontract laboratory?

27. If yes, does the COC specify which phase(s) is to be analyzed?



envirotech Inc.



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Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Harvard Petroleum Co

Project Name:	Apache to NPG Water Transfer Line
Work Order:	E303026
Job Number:	21022-0001
Received:	3/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/13/23

Ashley Giovengo 200 E 2nd St Roswell, NM 88201



Page 71 of 182

Project Name: Apache to NPG Water Transfer Line Workorder: E303026 Date Received: 3/9/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/9/2023 8:15:00AM, under the Project Name: Apache to NPG Water Transfer Line.

The analytical test results summarized in this report with the Project Name: Apache to NPG Water Transfer Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

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Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Received by OCD: 5/2/2023 2:25:07 PM

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Received by OCD: 5/2/2023 2:25:07 PM

		Sample Summary								
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Apache to NPG Water Transfer Line Project Number: 21022-0001 Project Manager: Ashley Giovengo			e Reported: 03/13/23 09:00					
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container					
SS07 - 16'	E303026-01A	Soil	03/07/23	03/09/23	Glass Jar, 2 oz.					

		here a				
Harvard Petroleum Co	Project Nam	e: Apa	che to NPG Wate	r Transfer Line		
200 E 2nd St	Project Num	ber: 210	22-0001			Reported:
Roswell NM, 88201	Project Mana	ager: Ash	ley Giovengo	3/13/2023 9:00:35A1		
		SS07 - 16'	_			
		E303026-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2310030
Benzene	ND	0.0250	1	03/09/23	03/09/23	
Ethylbenzene	ND	0.0250	1	03/09/23	03/09/23	
Toluene	ND	0.0250	1	03/09/23	03/09/23	
p-Xylene	ND	0.0250	1	03/09/23	03/09/23	
p,m-Xylene	ND	0.0500	1	03/09/23	03/09/23	
Total Xylenes	ND	0.0250	1	03/09/23	03/09/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2310030
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/23	03/09/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	03/09/23	03/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	it: RAS		Batch: 2310033
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/09/23	
Dil Range Organics (C28-C36)	ND	50.0	1	03/09/23	03/09/23	
Surrogate: n-Nonane		95.9 %	50-200	03/09/23	03/09/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2310031
Chloride	10800	400	20	03/09/23	03/09/23	



Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	21	pache to NPC 1022-0001 shley Gioven		nsfer Line	e		Reported: 3/13/2023 9:00:35AM			
Volatile Organics by EPA 8021B Analyst: IY												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2310030-BLK1)							Prepared: 0	3/08/23	Analyzed: 03/09/23			
Benzene	ND	0.0250					Trepared. 0	5106125 1	analyzed. 05/09/25			
Ethylbenzene	ND	0.0250										
Foluene	ND	0.0250										
-Xylene	ND	0.0250										
,m-Xylene	ND	0.0500										
Total Xylenes	ND	0.0250										
Surrogate: 4-Bromochlorobenzene-PID	8.24	0.0250	8.00		103	70-130						
LCS (2310030-BS1)						10 100	D 10		1 1 00/00/00			
					-		Prepared: 0.	3/08/23	Analyzed: 03/09/23			
Benzene	4.57	0.0250	5.00		91.4	70-130						
thylbenzene	4.65	0.0250	5.00		92.9	70-130						
oluene	4.75	0.0250	5.00		95.1	70-130						
-Xylene	4.80	0.0250	5.00		96.1	70-130						
,m-Xylene	9.44	0.0500	10.0		94.4	70-130						
otal Xylenes	14.2	0.0250	15.0		94.9	70-130						
urrogate: 4-Bromochlorobenzene-PID	8.53		8.00		107	70-130						
Aatrix Spike (2310030-MS1)				Source:	E303022-0)1	Prepared: 02	3/08/23 A	analyzed: 03/09/23			
lenzene	4.74	0.0250	5.00	ND	94.7	54-133						
thylbenzene	4.80	0.0250	5.00	ND	96.0	61-133						
oluene	4.92	0.0250	5.00	ND	98.5	61-130						
-Xylene	4.95	0.0250	5.00	ND	99.0	63-131						
,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131						
otal Xylenes	14.7	0.0250	15.0	ND	97.9	63-131						
urrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130						
Aatrix Spike Dup (2310030-MSD1)				Source:	E303022-0)1	Prepared: 03	3/08/23 A	analyzed: 03/09/23			
	4.81	0.0250	5.00	ND	96.2	54-133	1.48	20				
enzene		0.0250	5.00	ND	97.4	61-133	1.46	20				
enzene thylbenzene	4.87	0.0200										
	4.87 5.00	0.0250	5.00	ND	100	61-130	1.57	20				
thylbenzene			5.00 5.00	ND ND	100 100	61-130 63-131	1.57 1.47	20 20				
thylbenzene oluene	5.00	0.0250										



		QC S	umma	ry Dat	a				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	21	pache to NPC 022-0001 shley Gioven		nsfer Line	2		Reported: 3/13/2023 9:00:35AM
	No	onhalogenated O	rganics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2310030-BLK1)						12	Prepared: 0	3/08/23 A	Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-F1D	7.08		8.00		88.5	70-130			
LCS (2310030-BS2)							Prepared: 0	3/08/23 A	Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-F1D	7.10		8.00		88.7	70-130			
Matrix Spike (2310030-MS2)				Source:	E303022-0)1	Prepared: 03	3/08/23 A	analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	91.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-F1D	7.25		8.00		90.6	70-130			
Matrix Spike Dup (2310030-MSD2)				Source:	E303022-0)1	Prepared: 03	3/08/23 A	analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.7	70-130	1.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-F1D	7.43		8.00		92.9	70-130			



QC Summary Data

Harvard Petroleum Co 200 E 2nd St		Project Name: Project Number:		Apache to NPG 21022-0001	Water Tra	nsfer Line	2		Reported:
Roswell NM, 88201		Project Manager	r:	Ashley Gioveng	go		3/13/2023 9:00:35AM		
	Nonh	alogenated Org	ganics b	y EPA 8015I) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2310033-BLK1)							Prepared: 0	3/09/23	Analyzed: 03/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.7	50-200			
LCS (2310033-BS1)							Prepared: 0	3/09/23	Analyzed: 03/09/23
Diesel Range Organics (C10-C28)	209	25.0	250		83.5	38-132			
Surrogate: n-Nonane	44.2		50.0		88.5	50-200			
Matrix Spike (2310033-MS1)				Source:	E303025-	01	Prepared: 0	3/09/23	Analyzed: 03/09/23
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.0	38-132			
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			
Matrix Spike Dup (2310033-MSD1)				Source:	E303025-	01	Prepared: 0	3/09/23	Analyzed: 03/09/23
Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.4	38-132	8.95	20	
Surrogate: n-Nonane	43.7		50.0		87.4	50-200			



QC Summary Data

		\mathbf{v}		ary Dut					
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: •Project Number Project Manager	: 2	Apache to NPG 21022-0001 Ashley Gioven		nsfer Line	e		Reported: 3/13/2023 9:00:35A
		Anions	by EPA	300.0/90564	4				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2310031-BLK1)							Prepared: 0	3/09/23 /	Analyzed: 03/09/23
Chloride	ND	20.0					-		
LCS (2310031-BS1)							Prepared: 0	3/09/23	Analyzed: 03/09/23
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2310031-MS1)				Source:	E303025-(01	Prepared: 0	3/09/23	Analyzed: 03/09/23
Chloride	865	20.0	250	624	96.5	80-120			
Matrix Spike Dup (2310031-MSD1)				Source:	E303025-0	01	Prepared: 0	3/09/23	Analyzed: 03/09/23
Chloride	977	20.0	250	624	141	80-120	12.2	20	M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	
200 E 2nd St	Project Number:	21022-0001	Reported:
Roswell NM, 88201	Project Manager:	Ashley Giovengo	03/13/23 09:00

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page _ l _ of _ l

and the second se	arvard Petro											TA				rogram								
	Apache to N			r Line			ntion: Wescom Inc	-		Lab	WO#			Job				1D	2D	3D	Sta	ndard	CWA	SDWA
and the second second second second second	lanager: Ash	and the same and the same state of the same	engo				ress: 1224 Standpipe Rd			E	303	DS	6	21	022	2-00	01					x		
	1224 Stand						State, Zip: Carlsbad, NN	1 88220	-					Analy	sis an	d Met	hod					ALC: N		RCRA
the second s	e, Zip: Carls	and the second second second second	88220			Phor	ne: 505-382-1211															San Star		
	05-382-121:					Ema	il: ashley.giovengo@we	scominc.	com	015	115												State	
mail: as	hley.gioven	go@wesc	cominc.co	om						y 80	y 80	1	0		0.0			5				NM CO	UT AZ	TX
eport du	ue by:							5 A.		10 p	d Ob	802	826	5010	30			WN	ř		Г	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	1				Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC	BGDOC		ſ		Remarks	5
14:30	2/3/23	Soil	1 Jar			1	SS07 - 16'				Ū		-				1	x	-					
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dditiona	al Instruction	ns: Kep	t on ice. I	Please CC:	cole.b	urton@	wescominc.com, shar.h	arvester	@wesco	mine	.com	, ash	lev.e	ziove	ngo@	Dwese	omi	inc.c	om					
ield samp	ler), attest to the	validity and	authenticity	y of this samp	le. Lam av	ware that	tampering with or intentionally m	nislabelling t	he sample l	ocatio	n,											n ice the day t		oled or receiv
e or time	of collection is co	onsidered fra	aud and may	be grounds for	or legal act	tion.	Sampled by:							packed	In ice a	t an avg t	emp al	bove 0	but les	s than 6	°C on s	ubsequent da	ys.	
Bus	d by: (Signatur	erer	202	023		Dan	Received by: (Signatore)	T	Date 3-8-2	13		20		Rece	ived	on ice	:: (Y	A STREET	e Onl	ly			
Mich	and the second sec	int	Date	823	Time 160	6	Received by: (Signature)	y	~ 0	3	-	00)	<u>T1</u>			. 1	T2				тз		
11	d by: (Signatur	ler	B-C	P-23	Time 234	5	Received by: (Signature)	ut	3.9/2	3	Time 8	15	-	AVG	Tem	p°C_	4							
nple Matri	ix: S - Soil, Sd - So	olid, Sg - Sluc	ige, A - Aque	ous, O - Othe	a 🦳			-	Containe	Тур	e: g - g	glass,	p - po	oly/pl	astic,	ag - ar	nber	glass	s, v -	VOA				
							rrangements are made. Haza his COC. The liability of the lab									it the cl	iente	expen	nse. 1	The rep	port fo	or the analy	ysis of the	above

Envirotech Analytical Laboratory

Printed: 3/9/2023 12:55:40PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

8. If yes, was cooler received in good condition?

10. Were custody/security seals present?

11. If yes, were custody/security seals intact?

9. Was the sample(s) received intact, i.e., not broken?

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

I we receiv	e no response concerning these items within 24 h	ours of the date of this no	tice, all the sam	ples will be analyzed as requ	lested.		
Client:	Harvard Petroleum Co	Date Received:	03/09/23 08:	15	Work Order ID:	E303026	
Phone:	(575) 623-1581	Date Logged In:	03/09/23 08:4	46	Logged In By:	Caitlin Christian	
Email:	jharvard@hpenm.com	Due Date:	03/14/23 17:	00 (3 day TAT)			
<u>Chain o</u>	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site loca	tion match the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier			
4. Was th	he COC complete, i.e., signatures, dates/times	s, requested analyses?	Yes				
5. Were	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be con				Common	ts/Resolution	
	i.e, 15 minute hold time, are not included in this	disucssion.			Commen	is/Resolution	
Sample	Turn Around Time (TAT)						
6. Did th	ne COC indicate standard TAT, or Expedited	TAT?	Yes				ľ
Sample	Cooler						
7. Was a	sample cooler received?		Yes				

Yes

Yes

No

NA

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12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u>		
Sample Container		
14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	
Field Label		
20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	
Sample Preservation		
21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	
Multiphase Sample Matrix		
26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	
Subcontract Laboratory		
28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Su

NA Subcontract Lab: NA





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Harvard Petroleum Co

Project Name:	Apache to NPG Water Transfer Line
Work Order:	E303047
Job Number:	21022-0001
Received:	3/15/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/20/23

Ashley Giovengo 200 E 2nd St Roswell, NM 88201



Project Name: Apache to NPG Water Transfer Line Workorder: E303047 Date Received: 3/15/2023 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2023 7:00:00AM, under the Project Name: Apache to NPG Water Transfer Line.

The analytical test results summarized in this report with the Project Name: Apache to NPG Water Transfer Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

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ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com **Alexa Michaels** Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area **Rayny Hagan** Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Received by OCD: 5/2/2023 2:25:07 PM

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Received by OCD: 5/2/2023 2:25:07 PM

		Sample Sum	mary		
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	200 E 2nd St Project Number		Apache to NPG Wa 21022-0001 Ashley Giovengo	e Reported: 03/20/23 17:14	
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
ONF01 - 4'	E303047-01A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF02 - 4'	E303047-02A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF03 - 4'	E303047-03A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF04 - 4'	E303047-04A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF05 - 4'	E303047-05A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF06 - 4'	E303047-06A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF07 - 4'	E303047-07A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF08 - 4'	E303047-08A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF09 - 4'	E303047-09A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF10 - 4'	E303047-10A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF11 - 4'	E303047-11A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF12 - 4'	E303047-12A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF13 - 4'	E303047-13A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF14 - 4'	E303047-14A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF15 - 4'	E303047-15A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF16 - 4'	E303047-16A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF17 - 4'	E303047-17A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF18 - 4'	E303047-18A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
ONF19 - 4'	E303047-19A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.



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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Name: Project Numb Project Manag	er: 210	iche to Ni 22-0001 iley Giove		Transfer Line		<b>Reported:</b> 3/20/2023 5:14:54PM
	(	CONF01 - 4					
		E303047-01					
Analyte	Result	Reporting Limit		ilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/15/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/15/23	
Toluene	ND	0.0250		I	03/15/23	03/15/23	
o-Xylene	ND	0.0250		1	03/15/23	03/15/23	
p,m-Xylene	ND	0.0500		1	03/15/23	03/15/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/15/23	
Surrogate: Bromofluorobenzene		96.2 %	70-130		03/15/23	03/15/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		03/15/23	03/15/23	
Surrogate: Toluene-d8		104 %	70-130		03/15/23	03/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/15/23	
Surrogate: Bromofluorobenzene		96.2 %	70-130		03/15/23	03/15/23	
urrogate: 1,2-Dichloroethane-d4		105 %	70-130		03/15/23	03/15/23	
urrogate: Toluene-d8		104 %	70-130		03/15/23	03/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25.0	-	1	03/15/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
urrogate: n-Nonane		83.5 %	50-200	·	03/15/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	319	20.0		1	03/15/23	03/16/23	





	N	ampic D	ata				
Harvard Petroleum Co 200 E 2nd St	Project Name Project Numl	•	che to NP 22-0001	G Water	Transfer Line		Reported:
Roswell NM, 88201	Project Mana		ley Giove	3/20/2023 5:14:54PM			
		CONF02 - 4'					
		E303047-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/15/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/15/23	
Toluene	ND	0.0250		1	03/15/23	03/15/23	
-Xylene	ND	0.0250		1	03/15/23	03/15/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/15/23	
lotal Xylenes	ND	0.0250		1	03/15/23	03/15/23	
urrogate: Bromofluorobenzene		96.3 %	70-130		03/15/23	03/15/23	
urrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/15/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/15/23	
Ionhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20,0		1	03/15/23	03/15/23	
urrogate: Bromofluorobenzene		96.3 %	70-130		03/15/23	03/15/23	
urrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/15/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/15/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2311038
viesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/16/23	
vil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/16/23	
arrogate: n-Nonane		79.3 %	50-200		03/15/23	03/16/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	509	20.0		1	03/15/23	03/16/23	





	I	Sample D	ala				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nan Project Nur Project Mar	nber: 210	Apache to NPG Water Transfer Line 21022-0001 Ashley Giovengo				<b>Reported:</b> 3/20/2023 5;14:54PM
· · · · · · · · · · · · · · · · · · ·		CONF03 - 4					
		E303047-03					
		Reporting	5				· · · · · · · · · · · · · · · · · · ·
Analyte	Result	Limit	Di	ilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/15/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/15/23	
Toluene	ND	0.0250		1	03/15/23	03/15/23	
-Xylene	ND	0.0250		1	03/15/23	03/15/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/15/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/15/23	
urrogate: Bromofluorobenzene		97.3 %	70-130		03/15/23	03/15/23	
urrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/15/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/15/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		I	03/15/23	03/15/23	
urrogate: Bromofluorobenzene		97.3 %	70-130		03/15/23	03/15/23	
urrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/15/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/15/23	
ionhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	:L		Batch: 2311038
viesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/16/23	
il Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/16/23	
urrogaie: n-Nonane		80.1 %	50-200		03/15/23	03/16/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	2660	20.0		1	03/15/23	03/16/23	





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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nam Project Num Project Mana	ber: 210	ache to NPO 22-0001 aley Gioven		Transfer Line	<u> </u>	Reported: 3/20/2023 5:14:54PM
		CONF04 - 4			. <u> </u>		
		E303047-04					
		Reporting	ļ				
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/15/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/15/23	
Foluene	ND	0.0250		1	03/15/23	03/15/23	
o-Xylene	ND	0.0250		1	03/15/23	03/15/23	
o,m-Xylene	ND	0.0500		1	03/15/23	03/15/23	
Fotal Xylenes	ND	0.0250		1	03/15/23	03/15/23	
Surrogate: Bromofluorobenzene		95.0 %	70-130		03/15/23	03/15/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		03/15/23	03/15/23	
urrogate: Toluene-d8		102 %	70-130		03/15/23	03/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0	-	t	03/15/23	03/15/23	
urrogate: Bromofluorobenzene		95.0%	70-130		03/15/23	03/15/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		03/15/23	03/15/23	
urrogate: Toluene-d8		102 %	70-130		03/15/23	03/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	л		Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25.0	1	1	03/15/23	03/16/23	
Dil Range Organics (C28-C36)	ND	50,0	1	1	03/15/23	03/16/23	
urrogate: n-Nonane		81.2 %	50-200		03/15/23	03/16/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	11200	400	2	0	03/15/23	03/16/23	



#### Received by OCD: 5/2/2023 2:25:07 PM

#### Harvard Petroleum Co Project Name; Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 Reported: Roswell NM, 88201 Project Manager: Ashley Giovengo 3/20/2023 5:14:54PM CONF05 - 4' E303047-05 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: RKS Batch: 2311034 Benzene ND 0.0250 1 03/15/23 03/15/23 Ethylbenzene ND 0.0250 1 03/15/23 03/15/23 Toluene ND 0.0250 03/15/23 1 03/15/23 o-Xylene ND 0.0250 03/15/23 1 03/15/23 p,m-Xylene ND 0.0500 1 03/15/23 03/15/23 Total Xylenes ND 0.0250 1 03/15/23 03/15/23 Surrogate: Bromofluorobenzene 97.1 % 70-130 03/15/23 03/15/23 Surrogate: 1,2-Dichloroethane-d4 106 % 70-130 03/15/23 03/15/23 Surrogate: Toluene-d8 102 % 03/15/23 70-130 03/15/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2311034 Gasoline Range Organics (C6-C10) ND 20.0 1 03/15/23 03/15/23 Surrogate: Bromofluorobenzene 97.1% 70-130 03/15/23 03/15/23 Surrogate: 1,2-Dichloroethane-d4 106 % 70-130 03/15/23 03/15/23 Surrogate: Toluene-d8 102 % 03/15/23 70-130 03/15/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL Batch: 2311038 Diesel Range Organics (C10-C28) 30.3 25.0 1 03/15/23 03/16/23 Oil Range Organics (C28-C36) ND 50.0 1 03/15/23 03/16/23 Surrogate: n-Nonane 83.6% 03/15/23 50-200 03/16/23 Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA Batch: 2311029 Chloride 3310 40.0 2 03/15/23 03/16/23

**Sample Data** 



	N	minpic D	ucu				
Harvard Petroleum Co 200 E 2nd St	Project Name	•		PG Water	Transfer Line	· · ·	
Roswell NM, 88201	Project Numb			Reported:			
	Project Mana	iger: Ash	ley Giove	3/20/2023 5:14:54PM			
		CONF06 - 4'		· · · ·		-	
		E303047-06					
		Reporting					
Analyte	Result	Limit	D	ilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/16/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
foluene	ND	0.0250		1	03/15/23	03/16/23	
-Xylene	ND	0.0250		1	03/15/23	03/16/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		96.3 %	70-130		03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		105 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Ionhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene	· · · · ·	96.3 %	70-130		03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		105 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2311038
iesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/16/23	
il Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/16/23	
urrogate: n-Nonane		83.6 %	50-200		03/15/23	03/16/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	4660	100		5	03/15/23	03/16/23	



#### Received by OCD: 5/2/2023 2:25:07 PM

	;	Sample D	ata				
Harvard Petroleum Co	Project Nan	ne: Apa	che to NP	G Water	Transfer Line		
200 E 2nd St	Project Nur			Reported:			
Roswell NM, 88201	Project Manager: Ashley Giovengo						3/20/2023 5:14:54PM
		CONF07 - 4'					
		E303047-07					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/16/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
Toluene	ND	0.0250		1	03/15/23	03/16/23	
o-Xylene	ND	0.0250		1	03/15/23	03/16/23	
p,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		95.9%	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		95.9 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	л		Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/17/23	
Oil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
Surrogate: n-Nonane		77.0%	50-200		03/15/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	3610	40.0	:	2	03/15/23	03/16/23	



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Sample Data											
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Reported: 3/20/2023 5:14:54PM									
		CONF08 - 4'			<u> </u>						
		E303047-08									
		Reporting					···				
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034				
Benzene	ND _	0.0250		1	03/15/23	03/16/23					
thylbenzene	ND	0.0250		1	03/15/23	03/16/23					
oluene	ND	0.0250		1	03/15/23	03/16/23					
-Xylene	ND	0.0250		1	03/15/23	03/16/23					
,m-Xylene	ND	0.0500		1	03/15/23	03/16/23					
otal Xylenes	ND	0.0250		1	03/15/23	03/16/23					
urrogate: Bromofluorobenzene		95.9 %	70-130		03/15/23	03/16/23					
urrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/16/23					
urrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23					
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034				
asoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	-				
irrogate: Bromofluorobenzene		95.9 %	70-130	-	03/15/23	03/16/23					
rrogate: 1,2-Dichloroethane-d4		106 %	70-130		03/15/23	03/16/23					
rrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23					
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2311038				
iesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/16/23					
il Range Organics (C28-C36)	ND	50.0	-	1	03/15/23	03/16/23					
rrogate: n-Nonane		77.1 %	50-200		03/15/23	03/16/23	<u>_</u>				
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029				
hloride	5410	100		5	03/15/23	03/16/23					

		ampic D	ucu				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Name Project Numb Project Mana	per: 210	ache to NF 22-0001 1ley Giove		Transfer Line	·	Reported: 3/20/2023 5:14:54PM
		CONF09 - 4	1				
		E303047-09					
Analyte		Reporting	-				
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/16/23	· · · · · · · · · · · · · · · · · · ·
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
Toluene	ND	0.0250		1	03/15/23	03/16/23	
o-Xylene	ND	0.0250		1	03/15/23	03/16/23	
p,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		96.5 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	·
Surrogate: Bromofluorobenzene		96.5 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25,0		1	03/15/23	03/16/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/16/23	
Surrogate: n-Nonane		81.0 %	50-200		03/15/23	03/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	4320	40,0		2	03/15/23	03/16/23	<b></b>





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Harvard Petroleum Co 200 E 2rid St Roswell NM, 88201	Project Nan Project Nun Project Man	aber: 210	iche to NI 22-0001 iley Giove		Transfer Line		<b>Reported:</b> 3/20/2023 5:14:54PM
		CONF10 - 4					
		E303047-10					
		Reporting	1				
Analyte	Result	Limit	D	ilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/16/23	- <u>-</u> <u>-</u>
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
oluene	ND	0.0250		1	03/15/23	03/16/23	
-Xylene	ND	0.0250		I	03/15/23	03/16/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
otal Xylenes	ND	0.0250		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.1 %	70-130		03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.1 %	70-130		03/15/23	03/16/23	· · · · ·
urrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2311038
iesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/17/23	
il Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
urrogale: n-Nonane		73.4 %	50-200		03/15/23	03/17/23	······································
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	3720	40.0		2	03/15/23	03/16/23	

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#### Received by OCD: 5/2/2023 2:25:07 PM

#### Sample Data Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 **Reported:** Roswell NM, 88201 Project Manager: Ashley Giovengo 3/20/2023 5:14:54PM CONF11 - 4' E303047-11 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organic Compounds by EPA 8260B mg/kg Analyst: RKS mg/kg Batch: 2311034 Benzene ND 0.0250 1 03/15/23 03/16/23 Ethylbenzene ND 0.0250 1 03/15/23 03/16/23 Toluene ND 0.0250 03/15/23 1 03/16/23 o-Xylene ND 0.0250 1 03/15/23 03/16/23 p,m-Xylene ND 0.0500 1 03/15/23 03/16/23 Total Xylenes ND 0.0250 1 03/15/23 03/16/23 Surrogate: Bromofluorobenzene 95.4% 70-130 03/15/23 03/16/23 Surrogate: 1,2-Dichloroethane-d4 03/15/23 102 % 70-130 03/16/23 Surrogate: Toluene-d8 100 % 70-130 03/15/23 03/16/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2311034 ND Gasoline Range Organics (C6-C10) 20.0 1 03/15/23 03/16/23 Surrogate: Bromofluorobenzene 95.4 % 03/15/23 70-130 03/16/23 Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 03/15/23 03/16/23 Surrogate: Toluene-d8 100 % 70-130 03/15/23 03/16/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL Batch: 2311038 Diesel Range Organics (C10-C28) ND 25.0 1 03/15/23 03/17/23 Oil Range Organics (C28-C36) ND 50.0 03/15/23 ł 03/17/23 Surrogate: n-Nonane 75.6% 50-200 03/15/23 *03/17/23* Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA Batch: 2311029 Chloride 14500 20 400 03/15/23 03/16/23



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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Name Project Numb Project Manaj	per: 210	iche to NPG 22-0001 ley Gioveng		ransfer Line		Reported: 3/20/2023 5:14:54PM
	(	CONF12 - 4'					
		E303047-12					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: F	RKS		Batch: 2311034
Benzene	ND	0,0250	1	l	03/15/23	03/16/23	<u>.</u>
Ethylbenzene	ND	0.0250	1	l	03/15/23	03/16/23	
foluene	ND	0.0250	1	L	03/15/23	03/16/23	
o-Xylene	ND	0.0250	1	L	03/15/23	03/16/23	
,m-Xylene	ND	0.0500	1		03/15/23	03/16/23	
Fotal Xylenes	ND	0.0250	1		03/15/23	03/16/23	
lurrogate: Bromofluorobenzene		95.1 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	:KS		Batch: 2311034
Gasoline Range Organics (C6-C10)	'ND	20.0	1		03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.1 %	70-130		03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		105 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
ionhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/	Analyst: J	L		Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25,0	1		03/15/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50.0	1		03/15/23	03/17/23	
urrogate: n-Nonane		76.4 %	50-200		03/15/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: B	A		Batch: 2311029
Chloride	24200	400	20	)	03/15/23	03/16/23	

## Sample Data

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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nam Project Num Project Man	iber: 210	Apache to NPG Water Transfer Line 21022-0001 Ashley Giovengo				Reported: 3/20/2023 5:14:54PM
		CONF13 - 4	1				
		E303047-13					
		Reporting	;				
Analyte	Result	Limit	E	lilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Benzene	ND	0.0250	-	1	03/15/23	03/16/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
Toluene	ND	0.0250		1	03/15/23	03/16/23	
o-Xylene	ND	0.0250		1	03/15/23	03/16/23	
p,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		93.1 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		104 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
lurrogate: Bromofluorobenzene		93.1 %	70-130		03/15/23	03/16/23	·
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/15/23	03/16/23	
Turrogate: Toluene-d8		104 %	70-1 <b>30</b>		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	л		Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
urrogate: n-Nonane		80.8 %	50-200		03/15/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	14200	400		20	03/15/23	03/16/23	





Harvard Petroleum Co	Project Nam		aha ta ND(		T		
200 E 2nd St	Project Name: Apache to NPG Water Transfer Line Project Number: 21022-0001					D	
Roswell NM, 88201	Project Man		22-0001 ley Gioven	900	-		Reported: 3/20/2023 5:14:54PM
							5/20/2025 5:14:54PM
		CONF14 - 4'					
		E303047-14					
		Reporting					
Analyte	Result	Limit	Dih	ution	Prepared	Analyzed	Notes
olatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
enzene	ND	0.0250		1	03/15/23	03/16/23	
thylbenzene	ND	0.0250		1	03/15/23	03/16/23	
oluene	ND	0.0250		1	03/15/23	03/16/23	
Xylene	ND	0.0250		1	03/15/23	03/16/23	
m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
otal Xylenes	ND	0.0250		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		94.9 %	70-130		03/15/23	03/16/23	
rrogate: 1,2-Dichloroethane-d4		100 %	70-130		03/15/23	03/16/23	
rrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311034
asoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
rrogate: Bromofluorobenzene		94.9 %	70-130		03/15/23	03/16/23	
rrogate: 1,2-Dichloroethane-d4		100 %	70-130		03/15/23	03/16/23	
rrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311038
iesel Range Organics (C10-C28)	ND	25,0		1	03/15/23	03/17/23	
il Range Organics (C28-C36)	ND	50,0	1	1	03/15/23	03/17/23	
rrogate: n-Nonane		80.5 %	50-200		03/15/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
lloride	12200						



	•	ampic D	ala				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nam Project Num Project Man	iber: 21(	ache to NF 22-0001 1ley Giove		Transfer Line		<b>Reported:</b> 3/20/2023 5:14:54PM
		CONF15 - 4	,				
		E303047-15					
		Reporting	g				
Analyte	Result	Limit	Di	ilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analysi	: RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/16/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
foluene	ND	0.0250		1	03/15/23	03/16/23	
p-Xylene	ND	0.0250		1	03/15/23	03/16/23	
o,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
fotal Xylenes	ND	0.0250		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		95.7 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	7 <b>0-13</b> 0		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.7 %	70-130		03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	л		Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
urrogate: n-Nonane		83.3 %	50-200		03/15/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
hloride	5240	200		10	03/15/23	03/16/23	



#### **Sample Data** Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 Reported: Roswell NM, 88201 Project Manager: Ashley Giovengo 3/20/2023 5:14:54PM CONF16 - 4' E303047-16 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organic Compounds by EPA 8260B mg/kg Analyst; RKS mg/kg Batch: 2311034 Benzene ND 0.0250 1 03/15/23 03/16/23 Ethylbenzene ND 0.0250 1 03/15/23 03/16/23 Toluene ND 03/15/23 0.0250 I 03/16/23 ND o-Xylene 0.0250 03/15/23 03/16/23 1 p,m-Xylene ND 0.0500 1 03/15/23 03/16/23 Total Xylenes ND 0.0250 1 03/15/23 03/16/23 Surrogate: Bromofluorobenzene 94.8 % 70-130 03/15/23 03/16/23 Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 03/15/23 03/16/23 Surrogate: Toluene-d8 101 % 70-130 03/15/23 03/16/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2311034 Gasoline Range Organics (C6-C10) ND 20.0 1 03/15/23 03/16/23 Surrogate: Bromofluorobenzene 94.8 % 70-130 03/15/23 03/16/23 Surrogate: 1,2-Dichloroethane-d4 105 % 03/15/23 70-130 03/16/23 Surrogate: Toluene-d8 101 % 03/15/23 70-130 03/16/23

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL				Batch: 2311038
Diesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/17/23	
Oil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
Surrogate: n-Nonane		76.2 %	50-200		03/15/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analys	t: BA		Batch: 2311029
Chloride	3130	40,0		2	03/15/23	03/16/23	





	S	Sample D	ata				
Harvard Petroleum Co	Project Nam	ie: Apa	che to NI	PG Water	Transfer Line		·
200 E 2nd St	Project Num	iber: 210	22-0001				Reported:
Roswell NM, 88201	Project Man	ager: Ash	ley Giove	3/20/2023 5:14:54PM			
		CONF17 - 4'				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
		E303047-17					
		Reporting					
Analyte	Result	Limit	D	ilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	ng/kg Analyst: RKS				Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/16/23	<u> </u>
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
Toluene	ND	0.0250		1	03/15/23	03/16/23	
o-Xylene	ND	0.0250		1	03/15/23	03/16/23	
o,m-Xylene	ND	0,0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		I	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		96.3 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		96.3 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch; 2311038
Diesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
Surrogate: n-Nonane		75.5 %	50-200		03/15/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	2340	40.0		2	03/15/23	03/16/23	



Harvard Petroleum Co	Project Nam	ie: Ans	che to NPG	Water Transfer Line		
200 E 2nd St	Project Number: 21022-0001					Reported:
Roswell NM, 88201	Project Man		lley Gioveng	jo		3/20/2023 5:14:54PM
		CONF18 - 4'				
		E303047-18				
	· • • • •	Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2311034
Benzene	ND	0.0250	1	03/15/23	03/16/23	-
Bthylbenzene	ND	0.0250	1	03/15/23	03/16/23	
oluene	ND	0.0250	1	03/15/23	03/16/23	
-Xylene	ND	0.0250	1	03/15/23	03/16/23	
,m-Xylene	ND	0.0500	1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250	1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.8%	70-130	03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130	03/15/23	03/16/23	
Ionhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: RKS		Batch: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.8 %	70-130	03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130	03/15/23	03/16/23	
Ionhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch; 2311038
viesel Range Organics (C10-C28)	ND	25.0	I	03/15/23	03/17/23	
il Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/17/23	
urrogate: n-Nonane		81.2 %	50-200	03/15/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2311029
Chloride	558	20.0	1	03/15/23	03/16/23	





	1	Sample D	ala				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nan Project Nur Project Mat	nber: 210	ache to N 22-0001 aley Giove		<b>Reported:</b> 3/20/2023 5:14:54PM		
		CONF19 - 4					
		E303047-19					
Analyte	Result	Reporting Limit	•	vilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	:: RKS		Batch: 2311034
Benzene	ND	0.0250		1	03/15/23	03/16/23	Daten: 2011004
Ithylbenzene	ND	0.0250		1	03/15/23	03/16/23	
oluene	ND	0.0250		1	03/15/23	03/16/23	
-Xylene	ND	0.0250		1	03/15/23	03/16/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.5 %	70-130		03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311034
Basoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		95.5 %	70-130		03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/15/23	03/16/23	
urrogate: Toluene-d8		101 %	70-130		03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2311038
iesel Range Organics (C10-C28)	ND	25.0		1	03/15/23	03/17/23	
il Range Organics (C28-C36)	ND	50.0		1	03/15/23	03/17/23	
urrogate: n-Nonane		73.5 %	50-200		03/15/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311029
Chloride	4420	40.0	-	2	03/15/23	03/16/23	



		vu s	u1111112	ry Dat	a					
Harvard Petroleum Co		Project Name: Project Number:	A	pache to NPG	Water Tra	insfer Lin	Ð		Reported:	
200 E 2nd St		21	1022-0001							
Roswell NM, 88201		Project Manager:	A	shley Giovenş	до			3.	/20/2023 5:14:54PN	
	V	olatile Organic	: Compo	unds by El	PA 82601	B		Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2311034-BLK1)							Prepared: 0	3/15/23 Ana	lyzed: 03/15/23	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
p-Xylene	ND	0.0250								
o,m-Xyleue	ND	0.0500								
Fotal Xylenes	ND	0.0250								
Surrogale: Bromofluorobenzene	0.469	9,9230	0,500		93.7	70-130		_		
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.502 0.522		0.500 0.500		100 104	70-130 70-130				
-	<i>U.J22</i>		0.220		407	, <del>, , , , , , , , , , , , , , , , , , </del>	<b>.</b>		1 1 00 10 - 10 -	
LCS (2311034-BS1)							Prepared: 0	3/15/23 Ana	lyzed: 03/15/23	
Benzene	2.36	0.0250	2.50		94,2	70-130				
Ethylbenzene '	2.49	0,0250	2.50		99.5	70-130				
Foluene	2,45	0.0250	2.50		97.9	70-130				
-Xylene	2,56	0.0250	2.50		102	70-130				
a,m-Xylene	5.07	0.0500	5.00		101	70-130				
fotal Xylenes	7.63	0.0250	7.50		102	70-130				
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130				
Surrogate: Toluene-d8	0.511		0.500		102	70-130				
Matrix Spike (2311034-MS1)				Source:	E303047-(	04	Prepared: 0	3/15/23 Ana	lyzed: 03/15/23	
Benzene	2.24	0.0250	2.50	ND	89.8	48-131	<b>_</b>			
Ethylbenzene	2.33	0.0250	2.50	ND	93.4	45-135				
Toluene	2.29	0.0250	2.50	ND	91.6	48-130				
-Xylene	2.41	0.0250	2.50	ND	96.4	43-135				
y,m-Xylene	4.75	0.0500	5,00	ND	95.1	43-135				
Fotal Xylenes	7.16	0.0250	7.50	ND	95.5	43-135				
urrogate: Bromofluorobenzene	0.521		0.500		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.544		0.500		109	70-130				
urrogaie: 1,2-Dicnioroeinane-a4 lurrogaie: Toluene-d8	0.544 0.505		0.500		109	70-130				
- Matrix Spike Dup (2311034-MSD1)				Source	E303047-1	34	Prenared: 03	3/15/23 Ana	lyzed: 03/15/23	
			2.60							
Benzene	2.25	0.0250	2.50	ND	89.8	48-131	0.0668	23		
thylbenzene	2.34	0.0250	2.50	ND	93.5	45-135	0.128	27		
oluene	2.28	0.0250	2.50	ND	91.1	48-130	0.613	24		
-Xylene	2.42	0.0250	2.50	ND	96.9	43-135	0.497	27		
,m-Xylene	4.73	0.0500	5.00	ND	94.5	43-135	0.570	27		
Total Xylenes	7,15	0.0250	7.50	ND	95.3	43-135	0.210	27		
iurrogate: Bromofluorobenzene	0.513		0.500		103	70-130				
urrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130				



·		QC S	umma	ary Data	a						
Harvard Petroleum Co		Project Name:	A	pache to NPG	Water Tra	nsfer Lin	e		Reported:		
200 E 2nd St		Project Number:	21	022-0001					•		
Roswell NM, 88201		Project Manager:	As	shley Gioveng	;0				3/20/2023 5:14:54PM		
	No	Nonhalogenated Organics by EPA 8015D - GRO									
Analyte		Reporting	Spike	Source		Rec		RPL			
	Result	Limit	Level	Result	Rec	Limits	RPD	Limi	t		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2311034-BLK1)							Prepared: 0	3/15/23	Analyzed: 03/15/23		
Fasoline Range Organics (C6-C10)	ND	20.0					-		, <u></u> ,,		
Surrogate; Bromofluorobenzene	0.469		0.500		93.7	70-130					
urrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130					
Surrogate: Toluene-d8	0.522		0.500		104	70-130	•				
LCS (2311034-BS2)							Prepared: 0	3/15/23	Analyzed: 03/15/23		
Basoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130					
urrogate: Bromofluorobenzene	0,502		0.500		100	70-130					
urrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130					
urrogaie: Toluene-d8	0.511		0.500		102	70-130					
Matrix Spike (2311034-MS2)				Source: ]	E303047-0	4	Prepared: 03	3/15/23	Analyzed: 03/15/23		
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130					
urrogate: Bromofluorobenzene	0.500		0.500		100	70-130					
urrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130					
urrogate: Toluene-d8	0.506		0.500		101	70-130					
Matrix Spike Dup (2311034-MSD2)				Source: 1	E303047-0	4	Prepared: 02	3/15/23	Analyzed: 03/15/23		
iasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130	0.874	20	v		
urrogate: Bromofluorobenzene	0.506		0.500		101	70-130					
urrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130					
Surrogate: Toluene-d8	0.506		0.500		101	70-130					

		QC Si	umma	ry Dat	a					
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager;	21	pache to NPC .022-0001 shley Gioven		insfer Lin	3/	Reported: 3/20/2023 5:14:54PM		
	Nonh	alogenated Org	anics by	EPA 8015	D - DRO	/ORO			Analyst; JL	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Lîmit %	Notes	
Blank (2311038-BLK1)							Prepared: 0	3/15/23 Ana	lyzed: 03/16/23	
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0					<u> </u>			
Surrogate: n-Nonane	37.4		50.0		74.8	50-200				
LCS (2311038-BS1)							Prepared: 0	3/15/23 Ana	lyzed: 03/16/23	
Diesel Range Organics (C10-C28)	212	25.0	250		84.6	38-132				
Surrogate: n-Nonane	39.4		50,0		78.8	50-200				
Matrix Spike (2311038-MS1)				Source:	E303047-:	13	Prepared: 0	3/15/23 Ana	lyzed: 03/16/23	
Diesel Range Organics (C10-C28)	215	25,0	250	ND	86.0	38-132				
Surrogate: n-Nonane	35.3		50.0		70.5	50-200				
Matrix Spike Dup (2311038-MSD1)				Source:	E303047-1	13	Prepared: 0	3/15/23 Ana	lyzed: 03/16/23	
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	38-132	7.15	20		
Surrogate: n-Nonane	37.8		50.0		75.5	50-200				


Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Apache to NPG Water Transfer Line   Project Number: 21022-0001						Reported:		
		Project Manage		shley Gioveng	, 				3/20/2023 5:14:54PM	
	_	Anions	by EPA 3	00.0/90564	1				Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	· · ·	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2311029-BLK1)							Prepared: 0	3/15/23 Ai	nalyzed: 03/16/23	
Chloride	ND	20.0								
LCS (2311029-BS1)							Prepared: 02	3/15/23 Ai	nalyzed: 03/16/23	
Chloride	262	20.0	250		105	90-110				
Matrix Spike (2311029-MS1)				Source:	E303047-0	1	Prepared: 02	3/15/23 Ai	nalyzed: 03/17/23	
Chloride	554	20,0	250	319	94.0	80-120			<u> </u>	
Matrix Spike Dup (2311029-MSD1)				Source:	E303047-0	1	Prepared: 03	8/15/23 At	nalyzed: 03/17/23	
Chloride	674	20.0	250	319	142	80-120	19.6	20		

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## **Definitions and Notes**

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	
200 E 2nd St	Project Number:	21022-0001	Reported;
Roswell NM, 88201	Project Manager:	Ashley Giovengo	03/20/23 17:14

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



**Project Information** 

Chain of Custody

## PO#45210

🥝 envirotech

Page _ l of _ 2

	larvard Petro	the second s			Bill To				La	b U	se On	ly		TAT			T	EPA P	rogram
	Apache to N	and the second se	the second second second second second second	r Line	Attention: Wescom Inc	and a summer of	Lab	WO#			Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA
	Manager: As		engo		Address: 1224 Standpipe Rd		E3	030	047		210	1000-550		-			x		
	1224 Stand	And a state of the	-		City, State, Zip: Carlsbad, NM	88220							nd Metho	d			an Parana		RCRA
ity, Stat	te, Zip: Carls	bad, NM	88220		Phone: 505-382-1211					-				T					- nenvi
	505-382-121				Email: ashley.giovengo@wesc	ominc.com	15	15										State	L
mail: a	shley.gioven	go@weso	cominc.co	om		× 80		80		~		0		-			NM CO	UT AZ	TX
eport d	ue by:						Q PI	(q O	802	8260	010	300		WN	¥		*	OT ME	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	<u>I</u>
11:55	3/13/23	Soil	1 Jar		CONF01 - 4'	1				-	-			x					
12:02	3/13/23	Soil	1 Jar		CONF02 - 4'	2				-				x					
12:05	3/13/23	Soil	1 Jar		CONF03 - 4'	3								x					
12:15	3/13/23	Soil	1 Jar		CONF04 - 4'	4								x					
12:17	3/13/23	Soil	1 Jar		CONF05 - 4'	5								x					
12:19	3/13/23	Soil	1 Jar		CONF06 - 4'	6								x					
12:23	3/13/23	Soil	1 Jar		CONF07 - 4'	7								x					
12:25	3/13/23	Soil	1 Jar		CONF08 - 4'	8								x					
12:31	3/13/23	Soil	1 Jar		CONF09 - 4'	9								x					
13:39	3/13/23	Soil	1 Jar		CONF10 - 4'	10								x					
ddition	al Instruction	ns: Kept	t on ice, l	Please CC: cole	e.burton@wescominc.com, shar.har	vester@wesco	minc	.com	ashl	ev.e	iover	ngo	Owescon	ninc.	om	iason	iohnsen@w	escomino	com
stin.w	enner@wesc	ominc.co	m									0-0			,	1	Jernisen er w	coconnin	
field sam	pler), attest to the	validity and	authenticit	y of this sample. I a	m aware that tampering with or intentionally misla	abelling the sample lo	cation			-	Sample	s requir	ring thermal p	reservat	ion mut	st be rece	ived on ice the day !	they are sample	d or received
			ud and may	be grounds for lega	al action. Sampled by:												C on subsequent da		
me	ed by: (Signatur	RRER	Date		3. 12 . Received by: (Signarure)	Date 3-14-	23	Time	46		Rece	ived	on ice:		b Us / N	e Only	y		
Micl	ed by: (Signatur	unde	Date	14-23 1-	700 Received by: (Signature)	Date 3-14	1.0	Time			T1						ТЗ		
	ed by: (Signatur	e)	Bate 3-	-14-23 Z	430 henter Received by: (Signature)	Date		Time 07			AVG	Tem	p°c H						
	rix: S - Soll Bet St					Container	Type	: g - g	ass. p	- 00	lv/nla	astic	ag - ambe	er glas	5 V -	VOA			
ata: Sam	nles are discard	ed 30 days	after result	ts are reported un	nless other arrangements are made. Hazardo	ous camples will be	rotur	0 0	all and		- IT PIC	1 1		- Bid3	-, -	.04			

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### Project Information

## Chain of Custody

## Page 2 of 2

	larvard Petro					Bill To			6 - 70	La	b Us	se Or	ly				TA	т	1	FPA P	rogram
	Apache to N			r Line		n: Wescom Inc			WO		See 1	Job	Num	ber	1D	2D	3D	Stan	dard	CWA	SDWA
	Aanager: As		engo			1224 Standpipe Rd		EP	URU V	247		21	572	-0001					x	CIIII	5000
	1224 Stand					te, Zip: Carlsbad, NM 8	8220			See.				nd Metho	d			1			RCRA
	e, Zip: Carls		88220		A CONTRACT OF A	505-382-1211									T	T			-		nerv
	505-382-121				Email: a	shley.giovengo@wesco	ominc.com	115	15											State	1
	shley.gioven	go@wesc	cominc.c	om				V 80	y 80				0.0		-			N	MCO		TX
Report d	ue by:			1			and the second	ROP	ROB	80.	826	6010	5 30(		WN	ř			*		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	1I
13:43	3/13/23	Soil	1 Jar		CONF	11 - 4'	11				-	-	-		x	-					
13:46	3/13/23	Soil	1 Jar		CONF	12 - 4'	12								x	$\vdash$		-			
13:50	3/13/23	Soil	1 Jar		CONF	13 - 4'	13				-				x			+			
13:52	3/13/23	Soil	1 Jar		CONF	14 - 4'	14				-				x			+			
13:55	3/13/23	Soil	1 Jar		CONF	15 - 4'	15								x			-			
14:00	3/13/23	Soil	1 Jar		CONF	16 - 4'	14					-			x						
14:03	3/13/23	Soil	1 Jar		CONF	17 - 4'	17				-				x	-		-			
14:05	3/13/23	Soil	1 Jar		CONF	18 - 4'	18							-	x			-			
14:09	3/13/23	Soil	1 Jar		CONF	19 - 4'	19							-	x			+			
ddition	al Instruction	ns: Kept	on ice, F	Please CC: cole	.burton@wes	cominc.com, shar.harv	ester@wesco	minc	.com	. ashl	ev.g	iover	ngola	Dwescor	ninc	mor	iason	iohns	an@wo	comine	
istin.we	nner@wesc	ominc.co	m								-1-0			. Wester		com,	Jason	Jonna	enewe.	sconnic	.com,
field samp	ler), attest to the	validity and	authenticity	of this sample. I a	m aware that tampe	ring with or intentionally mislat	belling the sample	ocation			1	Samples	requir	ing thermal p	reservat	ion mus	t be recei	ved on ice	e the day the	v are sample	d or receive
				be grounds for lega		Sampled by:	- Carlos - C							t an avg temp							
thu	d by: (Signatur	pref	02		Mean	uller (ups	- 3-14-	23		46	,	Rece	ived	on ice:	1.5 Million	b Us	e Only	'			
Thick	d by: Signature	unde		1423 1-	100 K	ved by: (Signature)	1 Date 3-1	4-73	Time	15	9	T1			T2			тз			
In	d by: (Signature	1/		142324	2.0	wed by: (Signature)	Date 3-/5-	23	Time 070	00		AVG	Tem	p°c 4					and and a second		
mple Matr	ix: S - Soil, Sd -So	lid, Sg - Slud	ge, A - Aque	ous, O - Other		// ///	Containe	Type	· g . g	ass n	- 00	hy/nla	stie	ag amb	ar alac	5 V -	VOA				
the Course	los ara discarda	and 30 days	fter result	s are reported up	loss other assance	ments are made. Hazardou			* 0			11 510		-0	- Dig 3	-1 -					

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## **Envirotech Analytical Laboratory**

### Printed: 3/15/2023 11:12:23AM

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Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as request

If we receive	e no response concerning these items within 24 hours of	the date of this not	ice, all th	e samples will be an	alyzed as requ	iested.		
Client:	Harvard Petroleum Co	Date Received:	03/15/2	3 07:00		Work Order ID:	E303047	
Phone:	(505) 382-1211	Date Logged In:	03/14/2	3 15:20		Logged In By:	Caitlin Christian	
Email:	ashley.giovengo@wescominc.com	Due Date:	03/21/2	3 17:00 (4 day TAT)				
Chain of	Custody (COC)							
	he sample ID match the COC?		Yes					
	he number of samples per sampling site location mat	ch the COC						
	amples dropped off by client or carrier?		Yes Yes	<b>.</b>	<b>.</b> .			
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: C	Jourier			
	Il samples received within holding time?	nod anaryses.	Yes					
	Note: Analysis, such as pH which should be conducted in	the field,	103					
	i.e, 15 minute hold time, are not included in this disucssion	on.				Comments	s/Resolution	
	furn Around Time (TAT)							
	e COC indicate standard TAT, or Expedited TAT?		Yes					
Sample (								
	sample cooler received? was cooler received in good condition?		Yes					
			Yes					
	e sample(s) received intact, i.e., not broken?		Yes					
	custody/security seals present?		No					
	, were custody/security seals intact?		NA					1
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes					
	visible ice, record the temperature. Actual sample	temperature: $4^{\circ}$	-					
	Container							
	queous VOC samples present? OC samples collected in VOA Vials?		No					
	head space less than 6-8 mm (pea sized or less)?		NA					
	trip blank (TB) included for VOC analyses?		NA					
	on-VOC samples collected in the correct containers?		NA					
	uppropriate volume/weight or number of sample contain		Yes Yes					
Field Lab		ers concetted.	103					
	field sample labels filled out with the minimum info	mation						
	ample ID?		Yes					
	ate/Time Collected?		Yes	l				
	ollectors name?		No					
	reservation	12						
	the COC or field labels indicate the samples were pro-	eserved?	No					
	mple(s) correctly preserved? filteration required and/or requested for dissolved m	1 - 9	NA					
		etals?	No					
	se Sample Matrix	0	2224					
	he sample have more than one phase, i.e., multiphas		No					
	does the COC specify which phase(s) is to be analy:	zed?	NA					
	act Laboratory							
	mples required to get sent to a subcontract laborator		No					
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA			
Client In	struction							

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

# Harvard Petroleum Co

Project Name:	Apache to NPG Water Transfer Line
Work Order:	E303052
Job Number:	21022-0001
Received:	3/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/17/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/17/23

Ashley Giovengo 200 E 2nd St Roswell, NM 88201



Project Name: Apache to NPG Water Transfer Line Workorder: E303052 Date Received: 3/16/2023 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2023 7:00:00AM, under the Project Name: Apache to NPG Water Transfer Line.

The analytical test results summarized in this report with the Project Name: Apache to NPG Water Transfer Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

## Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Received by OCD: 5/2/2023 2:25:07 PM

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## Received by OCD: 5/2/2023 2:25:07 PM

		Sample Sum	mary		
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	Apache to NPG Wa 21022-0001 Ashley Giovengo	ater Transfer Line	<b>Reported:</b> 03/17/23 12:46
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF20 Wall - 2'	E303052-01A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF21 Wall - 2'	E303052-02A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF22 Wall - 2'	E303052-03A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF23 Wall - 2'	E303052-04A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF24 Wall - 2'	E303052-05A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.



Harvard Petroleum Co	Project Nam	ie: Apa	che to NPG	Water Transfer Line		
200 E 2nd St	Project Num	iber: 210	22-0001			Reported:
Roswell NM, 88201	Project Man	ager: Ash	ley Giovengo	3/17/2023 12:46:40PM		
	C	ONF20 Wall -	2'			
		E303052-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2311042
Benzene	ND	0.0250	1	03/15/23	03/16/23	
thylbenzene	ND	0.0250	1	03/15/23	03/16/23	
oluene	ND	0.0250	1	03/15/23	03/16/23	
-Xylene	ND	0.0250	1	03/15/23	03/16/23	
,m-Xylene	ND	0.0500	1	03/15/23	03/16/23	
otal Xylenes	ND	0.0250	1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		92.7 %	70-130	03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/15/23	03/16/23	
urrogate: Toluene-d8		103 %	70-130	03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2311042
asoline Range Organics (C6-C10)	ND	20.0	1	03/15/23	03/16/23	
urrogate: Bromofluorobenzene		92.7 %	70-130	03/15/23	03/16/23	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/15/23	03/16/23	
ırrogate: Toluene-d8		103 %	70-130	03/15/23	03/16/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2311025
iesel Range Organics (C10-C28)	ND	25.0	1	03/14/23	03/16/23	
il Range Organics (C28-C36)	ND	50.0	1	03/14/23	03/16/23	
rrogate: n-Nonane		94.6 %	50-200	03/14/23	03/16/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2311046
hloride	873	20.0	1	03/16/23	03/16/23	



envirotech Inc.

#### **Sample Data** Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 Reported: Roswell NM, 88201 Project Manager: Ashley Giovengo 3/17/2023 12:46:40PM CONF21 Wall - 2' E303052-02 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organic Compounds by EPA 8260B mg/kg Analyst: RKS mg/kg Batch: 2311042 Benzene ND 0.0250 1 03/15/23 03/16/23 Ethylbenzene ND 0.0250 ł 03/15/23 03/16/23 Toluene ND 0.0250 03/15/23 1 03/16/23 o-Xylene ND 0.0250 1 03/15/23 03/16/23 p,m-Xylene ND 0.0500 1 03/15/23 03/16/23 Total Xylenes ND 0.0250 1 03/15/23 03/16/23 Surrogate: Bromofluorobenzene 92.1% 70-130 03/15/23 03/16/23 Surrogate: 1,2-Dichloroethane-d4 03/15/23 100 % 70-130 03/16/23 Surrogate: Toluene-d8 104 % 03/15/23 70-130 03/16/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2311042 ND Gasoline Range Organics (C6-C10) 20,0 1 03/15/23 03/16/23 Surrogate: Bromofluorobenzene 92.1 % 70-130 03/15/23 03/16/23 Surrogate: 1,2-Dichloroethane-d4 100 % 70-130 03/15/23 03/16/23 Surrogate: Toluene-d8 104 % 70-130 03/15/23 03/16/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL Batch: 2311025 ND 25.0 1 03/14/23 03/16/23 Diesel Range Organics (C10-C28) ND Oil Range Organics (C28-C36) 50,0 1 03/14/23 03/16/23 Surrogate: n-Nonane 100 % 50-200 03/14/23 03/16/23 Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: RAS Batch: 2311046 Chloride ND 20.0 1 03/16/23 03/16/23



		1					
Harvard Petroleum Co	Project Nan	ne: Apa	ache to NPG	Water 7	Fransfer Line		
200 E 2nd St	Project Nun	nber: 210	22-0001				Reported:
Roswell NM, 88201	Project Mar	nager: Ash	nley Gioveng	go			3/17/2023 12:46:40PM
	С	ONF22 Wall -	- 2'				
		E303052-03					
		Reporting	5				
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2311042
Benzene	ND	0.0250	1		03/15/23	03/16/23	
Ethylbenzene	ND	0.0250	1		03/15/23	03/16/23	
Toluene	ND	0.0250	1		03/15/23	03/16/23	
o-Xylene	ND	0.0250	1		03/15/23	03/16/23	
p,m-Xylene	ND	0.0500	1		03/15/23	03/16/23	
Total Xylenes	ND	0.0250	1		03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		92.2 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I		Batch: 2311042	
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		92.2 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		Batch: 2311025
Diesel Range Organics (C10-C28)	ND	25.0	1		03/14/23	03/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1		03/14/23	03/16/23	
Surrogate: n-Nonane	_	98.8 %	50-200		03/14/23	03/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: F	RAS		Batch: 2311046
Chloride	ND	20.0	1		03/16/23 -	03/16/23	



	;	Sample D	ata				
Harvard Petroleum Co	Project Nan	ne: Apa	to NI	PG Water	Transfer Line		
200 E 2nd St	Project Nun		22-0001				Reported:
Roswell NM, 88201	Project Mar	ager: Asł	ley Giove	engo		3/17/2023 12:46:40PM	
	C	ONF23 Wall	2'				
		E303052-04	-				
		Reporting					
Analyte	Result	Limit	D	ilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2311042
Benzene	ND	0.0250		1	03/15/23	03/16/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
Foluene	ND	0.0250		1	03/15/23	03/16/23	
p-Xylene	ND	0.0250		1	03/15/23	03/16/23	
p,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		91.4 %	70-130		03/15/23	03/16/23	·
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/2 <b>3</b>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2311042
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	· · · · · · · · · · · · · · · · · · ·
Surrogate: Bromofluorobenzene		91.4 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311025
Diesel Range Organics (C10-C28)	ND	25.0		1	03/14/23	03/16/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/14/23	03/16/23	
urrogate: n-Nonane		95.3 %	50-200		03/14/23	03/16/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2311046
Chloride	ND	20.0		1	03/16/23	03/16/23	



Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Name Project Numł Project Mana	ber: 210	uche to NP 22-0001 Iley Giover		Transfer Line		<b>Reported:</b> 3/17/2023 12:46:40PM
	CC	ONF24 Wall -	- 2'				
		E303052-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analys	: RKS		Batch: 2311042
Benzene	ND	0.0250		1	03/15/23	03/16/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/16/23	
Toluene	ND	0.0250		1	03/15/23	03/16/23	
o-Xylene	ND	0.0250		1	03/15/23	03/16/23	
p,m-Xylene	ND	0.0500		1	03/15/23	03/16/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		92.1 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2311042
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		92.1 %	70-130		03/15/23	03/16/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		03/15/23	03/16/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2311025
Diesel Range Organics (C10-C28)	ND	25.0		1	03/14/23	03/16/23	
Oil Range Organics (C28-C36)	ND	50.0		1	03/14/23	03/16/23	
Surrogate: n-Nonane		96.2 %	50-200		03/14/23	03/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2311046
Chloride	ND	20.0		1	03/16/23	03/16/23	



TT 10.1 -									
Harvard Petroleum Co		Project Name:	Æ	Apache to NPG	Water Tra	insfer Lin	e		Reported:
200 E 2nd St		Project Number:	2	21022-0001					-
Roswell NM, 88201	<u> </u>	Project Manager:	4	Ashley Gioven	go			3	3/17/2023 12:46:40PM
	V	olatile Organic	: Compo	ounds by El	PA 8260)	B			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result		Rec Limits	RPD	RPD	
	mg/kg	mg/kg	mg/kg	mg/kg	Rec %	%	%	Limit %	Notes
Blank (2311042-BLK1)							Prenared: 0	2/15/22 4-	alyzed: 03/16/23
Benzene	ND	0.0250		·			Tiepareu, o	<u>3113/23</u> All	alyzeu. 05/10/25
Ethylbenzene	ND	0.0250							
Foluene	ND								
p-Xylene	ND	0.0250							
		0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
urrogate: Bromofluorobenzene	0.460		0.500		91.9	70-130			
urrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
urrogate: Toluene-d8	0.506		0.500		101	70-130			
LCS (2311042-BS1)							Prepared: 0	3/15/23 An	alyzed: 03/16/23
lenzene	2.37	0.0250	2.50		94.8	70-130			
thylbenzene	2.40	0.0250	2.50		96.1	70-130			
oluene	2.46	0.0250	2.50		98.5	70-130			
-Xylene	2.57	0.0250	2.50		103	70-130			
,m-Xylene	4.88	0.0500	5,00		97.6	70-130			
otal Xylenes	7.45	0.0250	7.50		99,3	70-130			
urrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
urrogate: 1,2-Dichloroethane-d4 urrogate: Toluene-d8	0.492 0.507		0.500 0.500		98.4 101	70-130 70-130			
Matrix Spike (2311042-MS1)				5			D1.02	116/00 4	
					E303052-(		Prepared: 0.	8/15/23 An	alyzed: 03/16/23
Senzene	2.70	0.0250	2.50	ND	108	48-131			
thylbenzene	2.74	0.0250	2.50	ND	110	45-135			
oluene Yulaa	2.82	0.0250	2.50	ND	113	48-130			
-Xylene	2.94	0.0250	2.50	ND	118	43-135			
m-Xylene	5.59	0.0500	5.00	ND	112	43-135			
otal Xylenes	8.53	0.0250	7.50	ND	114	43-135			
urrogate: Bromofluorabenzene	0.482		0.500		96.3	70-130			
urrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
urrogate: Toluene-d8	0.506		0.500		101	70-130			
fatrix Spike Dup (2311042-MSD1)				Source:	E303052-0	14	Prepared: 03	i/15/23 Ana	lyzed: 03/16/23
enzene	2.73	0.0250	2.50	ND	109	48-131	1.05	23	
hylbenzene	2,77	0.0250	2,50	ND	111	45-135	0.981	27	
- Dluene	2.84	0.0250	2,50	ND	113	48-130	0.725	24	
Xylene	2.98	0.0250	2.50	ND	119	43-135	1,25	27	
m-Xylene	5.67	0.0500	5.00	ND	113	43-135	1.33	27	
otal Xylenes	8.64	0.0250	7.50	ND	115	43-135	1,30	27	
urrogate: Bromofluorobenzene	0.488		0,500		97.6	70-130			
urrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
rrogate: Toluene-d8									



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Harvard Petroleum Co		DIN		and a to NDC	Watan				
200 E 2nd St		Project Name: Project Number:		pache to NPG 022-0001	water Ira	inster Line	8		Reported:
Roswell NM, 88201		Project Manager:			ley Giovengo				3/17/2023 12:46:40PM
Kuswen IVM, 88201		Project Manager.	A	sniey Gloveng	30				5/17/2025 12:40:40PW
	No	nhalogenated O	rganics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2311042-BLK1)							Prepared: 0	3/15/23 A	Analyzed: 03/16/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.460		0.500		91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
LCS (2311042-BS2)							Prepared: 0	3/15/23 A	Analyzed: 03/16/23
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.1	70-130			
Surrogate: Bromofluorobenzene	0.462		0.500		92.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			
Matrix Spike (2311042-MS2)				Source:	E303052-	04	Prepared: 0	3/15/23 A	Analyzed: 03/16/23
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130			
Surrogate: Bromofluorobenzene	0.470		0.500		94.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Matrix Spike Dup (2311042-MSD2)				Source:	E303052-	04	Prepared: 0	3/15/23 A	Analyzed: 03/16/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	1.11	20	
Surrogate: Bromofluorobenzene	0.464		0.500		92.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



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		QC St	umma	ry Dat	a				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	21	pache to NPC 022-0001 shley Gioven		insfer Lin	e		Reported: 3/17/2023 12:46:40PM
	Nonh	alogenated Org	anics by	EPA 8015	D - DRO	/ORO		<u> </u>	Analyst: JL
Anałyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPC Limi %	
Blank (2311025-BLK1)						-	Prepared: 0	3/14/23	Analyzed: 03/16/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0				<u> </u>			
Surrogale: n-Nonane	45.9	· · ·	50.0		91.8	50-200			······································
LCS (2311025-BS1)							Prepared: 0	3/14/23	Analyzed: 03/16/23
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	38-132			
Surrogate: n-Nonane	44.1		50.0		88.2	50-200			
Matrix Spike (2311025-MS1)				Source:	E303046-0	)4	Prepared: 0	3/14/23	Analyzed: 03/16/23
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	45.5		50.0		91.0	50-200			
Matrix Spike Dup (2311025-MSD1)				Source:	E303046-0	)4	Prepared: 0	3/14/23	Analyzed: 03/16/23
Dieset Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	3.34	20	<u> </u>
Surrogate: n-Nonane	41.4	<u> </u>	50.0		82.9	50-200			



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		QC S	Summa	ry Dat	a				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number Project Manager	: 21	pache to NPG 022-0001 shley Gioveng		nsfer Line	;		<b>Reported:</b> 3/17/2023 12:46:40PM
		Anions	by EPA 3	00.0/90564	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2311046-BLK1)							Prepared: 0	3/16/23 A	nalyzed: 03/16/23
Chloride	ND	20,0							
LCS (2311046-BS1)							Prepared: 0.	3/16/23 A	nalyzed: 03/16/23
Chloride	254	20.0	250		101	90-110	•		
Matrix Spike (2311046-MS1)				Source:	E303052-	01	Prepared: 0	3/16/23 A	nalyzed: 03/16/23
Chloride	1170	20.0	250	873	119	80-120			· · · ·
Matrix Spike Dup (2311046-MSD1)				Source:	E303052-	D1	Prepared: 0	3/16/23 A	nalyzed: 03/16/23
Chloride	1190	20.0	250	873	127	80-120	1.69	20	M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## **Definitions and Notes**

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	
200 E 2nd St	Project Number:	21022-0001	Reported:
Roswell NM, 88201	Project Manager:	Ashley Giovengo	03/17/23 12:46

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



**Project Information** 

Chain of Custody

PO: 45246

Page _ l_of _ l_

Client: H	larvard Petro	leum				Bill To	1			516	La	b Us	se Or	nly				TA	T	EPA P	rogram
statistics and statistics and statistics	Apache to N	the second s	and the second se	r Line		Attention: Wescom Inc				WO#			Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA
Project N	Manager: As	nley Giov	rengo			Address: 1224 Standpipe Rd	- Ale		E3	031	52		211	DZZ	-0001	X					
Address:	1224 Stand	pipe Rd				City, State, Zip: Carlsbad, NM 88	8220			4 . 10			Analy	sis a	nd Metho	d			and the second		RCRA
and the second s	te, Zip: Carls	the second s	88220			Phone: 505-382-1211										1	T				
Contraction of the second	505-382-121					Email: ashley.giovengo@wesco	mino	.com	115	115										State	4
	shley.gioven	go@wesi	cominc.co	m					y 80	v 80	1	0		0.0		5			NM CO	UT AZ	TX
Report d	ue by:		-		Sale		-		RO	RO H	8021	826	601	e 30		NN	¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			1	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
10:03	3/14/23	Soil	1 Jar			CONF20 Wall - 2'	t	1								x					
10:12	3/14/23	Soil	1 Jar			CONF21 Wall - 2'		2								x					
11:15	3/14/23	Soil	1 Jar			CONF22 Wall - 2'		3								x					
11:18	3/14/23	Soil	1 Jar			CONF23 Wall - 2'		4								x					
11:21	3/14/23	Soil	1 Jar			CONF24 Wall - 2'		5								x					
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	enner@west			of this sample 1		are that tampering with or intentionally mislab	allian	the constants to					famel		inter the second of				eived on ice the day t		
				be grounds for leg			Jennig	the sample k	ocation	1,									°C on subsequent da		ed of received
	ed by: (Signatu			in the second		Received by: (Signatore)	1	Date	-	Time			Particular Sector	Con Sec.	and the second second			se On			State State
that	in a	100	00			La, mialele Lunk		3-15-	22	10	42		Por	aivac	d on ice:		)/ N		iy		
Ralinguish	ned by tsignatu	e)	Date	Time	2	Received by: (Signature)	1000	Date	1	Time	110	-	Rece	ervec	i on ice.	a	1 18				
Mid	lit	levols	- 31	5-23 1	630	Sam han		3-15	-23	17	30		T1			T2			T3		
Relinquish	ed by: (Signatu	e)	Date	I an Time		Received by: (Signature)	-	Date		Time	-	-									
XI.I	MM		13-	15-65 2	40	highing & Hell	1	3-110	- 72	07	00		AVG	Ten	np°C 4	1					
Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aque	ous, O - Other	-	1 providence	-		Type	1			-		ag - amb		SS. V -	VOA		Man man	and the second sec
					nless	other arrangements are made. Hazardou	us sar												port for the anal	vsis of the a	above
						with this COC. The liability of the laborat															

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## **Envirotech Analytical Laboratory**

Printed: 3/16/2023 8:50:56AM

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Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

	vard Petroleum Co	Date Received:	03/16/23	07:00	Work Order ID:	E303052
hone: (50:	5) 382-1211	Date Logged In:	03/15/23	15:01	Logged In By:	Caitlin Christian
mail: ashl	ley.giovengo@wescominc.com	Due Date:		17:00 (0 day TAT)	;	
Chain of Cust	tody (COC)					
. Does the sar	mple ID match the COC?		Yes			
	mber of samples per sampling site location r	natch the COC	Yes			
	es dropped off by client or carrier?		Yes	Carrier: Courier		
. Was the CO	C complete, i.e., signatures, dates/times, req	uested analyses?	Yes	Curren: Courren		
Not	nples received within holding time? e: Analysis, such as pH which should be conducte 15 minute hold time, are not included in this disuc		Yes		Comment	s/Resolution
ample Turn 2	Around Time (TAT)					
Did the COO	C indicate standard TAT, or Expedited TAT?		Yes			
ample Coole	<u>r</u>					
. Was a sampl	le cooler received?		Yes			
. If yes, was c	cooler received in good condition?		Yes			
Was the same	pple(s) received intact, i.e., not broken?		Yes			
0. Were custo	dy/security seals present?		No			
1. If yes, were	e custody/security seals intact?		NA			
Note	ple received on ice? If yes, the recorded temp is 4' e: Thermal preservation is not required, if samples		Yes			
	utes of sampling e ice, record the temperature. Actual samp	ble temperature: 4°C	<u> </u>			
ample Conta	iner					
	us VOC samples present?		No			
5. Are VOC s	amples collected in VOA Vials?		NA			
	space less than 6-8 mm (pea sized or less)?		NA			
7. Was a trip l	blank (TB) included for VOC analyses?		NA			
8. Are non-V	OC samples collected in the correct contained	rs?	Yes			
9. Is the approp	priate volume/weight or number of sample cont	ainers collected?	Yes			
ield Label						
). Were field	sample labels filled out with the minimum in	nformation:				
Sample	e ID?		Yes			
	ime Collected?		Yes	L		
	tors name?		No			
ample Preser						
	OC or field labels indicate the samples were	preserved?	No			
and the second	e(s) correctly preserved?		NA			
+. Is lab filtera	ation required and/or requested for dissolved	l metals?	No			
	mple Matrix					
	imple have more than one phase, i.e., multip		No			
7. If yes, does	the COC specify which phase(s) is to be an	alyzed?	NA			
ubcontract L	aboratory					
	s required to get sent to a subcontract labora	tory?	No			
· · · · · · · · · · · · · · · · · · ·	ontract laboratory specified by the client and	•	NA	Subcontract Lab: na		



Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Harvard Petroleum Co

Project Name:	Apache to NPG Water Transfer Line
Work Order:	E303054
Job Number:	21022-0001
Received:	3/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/20/23

Ashley Giovengo 200 E 2nd St Roswell, NM 88201



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Project Name: Apache to NPG Water Transfer Line Workorder: E303054 Date Received: 3/16/2023 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2023 7:00:00AM, under the Project Name: Apache to NPG Water Transfer Line.

The analytical test results summarized in this report with the Project Name: Apache to NPG Water Transfer Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

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Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Received by OCD: 5/2/2023 2:25:07 PM

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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	Apache to NPG Wa 21022-0001 Ashley Giovengo	iter Transfer Lin	e Reported: 03/20/23 17:12
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF25 - 4'	E303054-01A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF26 - 4'	E303054-02A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF27 - 4'	E303054-03A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF28 - 4'	E303054-04A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF29 - 4'	E303054-05A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF30 - 4'	E303054-06A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF31 - 4'	E303054-07A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF32 - 4'	E303054-08A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF33 - 4'	E303054-09A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF34 - 4'	E303054-10A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF35 - 4'	E303054-11A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF36 - 4'	E303054-12A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF37 - 4'	E303054-13A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF38 - 4'	E303054-14A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF39 - 4'	E303054-15A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.
CONF40 - 4'	E303054-16A	Soil	03/14/23	03/16/23	Glass Jar, 2 oz.



	~	ampic D	*****				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Name Project Numb Project Manaj	er: 210	che to NPO 22-0001 ley Gioven		Transfer Line		<b>Reported:</b> 3/20/2023 5:12:54PM
		CONF25 - 4'	-			·	
		E303054-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2311043
Benzene	ND	0.0250		1	03/15/23	03/17/23	Batch, 2511045
Ethylbenzene	ND	0.0250		1	03/15/23	03/17/23	
Toluene	ND	0.0250		1	03/15/23	03/17/23	
o-Xylene	ND	0.0250		I	03/15/23	03/17/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		89.5 %	70-130		03/15/23	03/17/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		03/15/23	03/17/23	
Surrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		89.5 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	) mg/kg	mg/kg		Analyst:	JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0		1	03/16/23	03/16/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/16/23	03/16/23	
urrogate: n-Nonane		91.5 %	50-200		03/16/23	03/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311051
Chloride	7380	100		5	03/16/23	03/17/23	

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Harvard Petroleum Co	Project Name: Apache to NPG Water Transfer Line						
200 E 2nd St	Project Nur		22-0001		Reported:		
Roswell NM, 88201	Project Manager: Ashley Giovengo						3/20/2023 5:12:54PM
		CONF26 - 4	<u> </u>				
		E303054-02					
		Reporting	· · · · · · · · · · · · · · · · · · ·			·	·
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
olatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY	· · · · -	Batch: 2311043
Benzene	ND	0.0250		1	03/15/23	03/17/23	
thylbenzene	ND	0.0250		1	03/15/23	03/17/23	
oluene	ND	0.0250		I	03/15/23	03/17/23	
-Xylene	ND	0.0250		1	03/15/23	03/17/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
otal Xylenes	ND	0.0250		1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		89.9 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2311043
asoline Range Organics (C6-C10)	ND	20.0	<u>.</u>	1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		89.9 %	70-130		03/15/23	03/17/23	
rrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/15/23	03/17/23	
trrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311047
iesel Range Organics (C10-C28)	ND	25,0		1	03/16/23	03/16/23	
il Range Organics (C28-C36)	ND	50.0		1	03/16/23	03/16/23	
rrogate; n-Nonane		91.9 %	50-200		03/16/23	03/16/23	· · · · ·
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	ва		Batch: 2311051
hloride	4010	40.0		2	03/16/23	03/17/23	



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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nam Project Num Project Man	iber: 210	er: 21022-0001					
		CONF27 - 4	<u> </u>	<u> </u>		···		
		E303054-03						
		Reporting	;					
Analyte	Result	Limit	Di	ilution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2311043	
Benzene	ND	0.0250		1	03/15/23	03/17/23	·····	
Sthylbenzene	ND	0.0250		1	03/15/23	03/17/23		
oluene	ND	0.0250		1	03/15/23	03/17/23		
-Xylene	ND	0.0250		1	03/15/23	03/17/23		
,m-Xylene	ND	0.0500		1	03/15/23	03/17/23		
Total Xylenes	ND	0.0250		1	03/15/23	03/17/23		
urrogate: Bromofluorobenzene		92.5 % .	70-130		03/15/23	03/17/23		
urrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		03/15/23	03/17/23		
urrogate: Toluene-d8		106 %	70-130		03/15/23	03/17/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst; IY			Batch: 2311043	
Gasoline Range Organics (C6-C10)	ND	20,0		1	03/15/23	03/17/23		
urrogate: Bromofluorobenzene		92.5 %	70-130		03/15/23	03/17/23		
urrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		03/15/23	03/17/23		
urrogate: Toluene-d8		106 %	70-130		03/15/23	03/17/23		
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311047	
Diesel Range Organics (C10-C28)	ND	25.0		1	03/16/23	03/16/23		
Dil Range Organics (C28-C36)	ND	50,0		1	03/16/23	03/16/23		
urrogate: n-Nonane		88.3 %	50-200		03/16/23	03/16/23		
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA			Batch: 2311051	
Chloride	2670	40.0		2	03/16/23	03/17/23		





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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nan Project Nun Project Man	iber: 210		Reported: 3/20/2023 5:12:54PM			
		CONF28 - 4					
		E303054-04					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	-		Batch: 2311043
Benzene	ND	0.0250		1	03/15/23	03/17/23	Datell: 2311045
Sthylbenzene	ND	0.0250		1	03/15/23	03/17/23	
oluene	ND	0.0250		1	03/15/23	03/17/23	
-Xylene	ND	0.0250		1	03/15/23	03/17/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
otal Xylenes	ND	0.0250		1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		92.3 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		100 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20.0	-	1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		92.3 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		100 %	70-130		03/15/23	03/17/23	
lonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0		1	03/16/23	03/16/23	
il Range Organics (C28-C36)	ND	50.0		1	03/16/23	03/16/23	
urrogale: n-Nonane		96.5 %	50-200		03/16/23	03/16/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311051
Chloride	4810	100		5	03/16/23	03/17/23	



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Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Name:Apache to NPG Water Transfer LineProject Number:21022-0001Project Manager:Ashley Giovengo						
		CONF29 - 4		<u> </u>			
		E303054-05					
		Reporting	:				
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2311043
Benzene	ND	0.0250		1	03/15/23	03/17/23	·
Ethylbenzene	ND	0.0250		1	03/15/23	03/17/23	
Toluene	ND	0.0250		1	03/15/23	03/17/23	
-Xylene	ND	0.0250		1	03/15/23	03/17/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/17/23	
'urrogate: Bromofluorobenzene		90.3 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst;	IY		Batch: 2311043
Basoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		90.3 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0		1	03/16/23	03/16/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/16/23	03/16/23	
urrogale: n-Nonane		80.5 %	50-200		03/16/23	03/16/23	
anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311051
Chloride	2660	40.0		2	03/16/23	03/17/23	



	1	Sample D	ata				
Harvard Petroleum Co	Project Nan						
200 E 2nd St	Project Name:     Apache to NPG Water Transfer Line       Project Number:     21022-0001						Reported:
Roswell NM, 88201	Project Mar	ager: Ash	ley Gioveng	go			3/20/2023 5:12:54PM
		CONF30 - 4'			. <u> </u>		
		E303054-06			_		
		Reporting					
Analyte	Result	Limit	Dilut	tion I	repared	Analyzed	Notes
Olatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2311043
lenzene	ND	0.0250	1	(	3/15/23	03/17/23	
thylbenzene	ND	0.0250	1	(	3/15/23	03/17/23	
oluene	ND	0.0250	I	C	3/15/23	03/17/23	
-Xylene	ND	0.0250	1	C	3/15/23	03/17/23	
m-Xylene	ND	0.0500	1	C	3/15/23	03/17/23	
otal Xylenes	ND	0.0250	1	C	3/15/23	03/17/23	
urrogate: Bromafluorobenzene		89.6 %	70-130		3/15/23	03/17/23	
rrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	6	3/15/23	03/17/23	
irrogate: Toluene-d8		103 %	70-130	C	3/15/23	03/17/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY			Batch: 2311043
asoline Range Organics (C6-C10)	ND	20.0	1	0	3/15/23	03/17/23	
rrogate: Bromofluorobenzene		89.6%	70-130	0	3/15/23	03/17/23	
rrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	0	3/15/23	03/17/23	
rrogate: Toluene-d8		103 %	70-130	0	3/15/23	03/17/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2311047
iesel Range Organics (C10-C28)	ND	25.0	1	0	3/16/23	03/17/23	
il Range Organics (C28-C36)	ND	50.0	1	0	3/16/23	03/17/23	
rrogale: n-Nonane		95.5 %	50-200	0	3/16/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg	А	analyst: BA			Batch: 2311051
hloride	656	20.0	1	0	3/16/23	03/17/23	



Harvard Petroleum Co	Project Name	e: Apa	che to NPC				
200 E 2nd St	Project Num		21022-0001				Reported:
Roswell NM, 88201	Project Mana	ager: Ash	ley Gioven	go		3/20/2023 5:12:54PM	
		CONF31 - 4'					
		E303054-07					
		Reporting					
Analyte	Result	Limit	Dih	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2311043
Benzene	ND	0.0250		1	03/15/23	03/17/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/17/23	
Toluene	ND	0.0250		1	03/15/23	03/17/23	
p-Xylene	ND	0.0250		1	03/15/23	03/17/23	
o,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
Fotal Xylenes	ND	0.0250		1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		92.7 %	70-130		03/15/23	03/17/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130		03/15/23	03/17/23	
Surrogate: Toluene-d8		104 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		92.7 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		92.6 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		104 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0	1		03/16/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50.0	1		03/16/23	03/17/23	
urrogate: n-Nonane		98.5 %	50-200		03/16/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311051
Chloride	1170	20.0	1	2	03/16/23	03/17/23	



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	S	Sample D	ata			
Harvard Petroleum Co	Project Nam					
200 E 2nd St	Project Num	ber: 210	22-0001		Reported:	
Roswell NM, 88201	Project Man	ager: Ash	ley Gioveng	0		3/20/2023 5:12:54PM
	,	CONF32 - 4'				
		E303054-08				
		Reporting				· · · · · · · · · · · · · · · · · · ·
Analyte	Result	Limit	Dilut	ion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2311043
Benzene	ND	0.0250	1	03/15/2	3 03/17/23	
Ethylbenzene	ND	0.0250	1	03/15/2	3 03/17/23	
Toluene	ND	0.0250	1	03/15/2	3 03/17/23	
-Xylene	ND	0.0250	1	03/15/2	3 03/17/23	
,m-Xylene	ND	0.0500	1	03/15/2	3 03/17/23	
fotal Xylenes	ND	0.0250	1	03/15/2	3 03/17/23	
urrogate: Bromofluorobenzene		91.1 %	70-130	03/15/2	3 03/17/23	
urrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	03/15/2	3 03/17/23	
urrogate: Toluene-d8		104 %	70-130	03/15/2.	3 03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	· mg/kg	А	nalyst: IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/2:	3 03/17/23	
urrogate: Bromofluorobenzene		91.1 %	70-130	03/15/2.	3 03/17/23	
urrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	03/15/2.	3 03/17/23	
urrogate: Toluene-d8		104 %	70-130	03/15/2	3 03/17/23	
Ionhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/23	3 03/17/23	
011 Range Organics (C28-C36)	ND	50.0	1	03/16/23	3 03/17/23	
urrogate: n-Nonane		95.2%	50-200	03/16/23	3 03/17/23	· · · ·
nions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2311051
hloride	<del>5</del> 330	40.0	2	03/16/23	03/17/23	



envirotech Inc.

		sample D	ala				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nam Project Num Project Man	iber: 210	ache to NPO 22-0001 aley Gioven		Transfer Line		Reported: 3/20/2023 5:12:54PM
		CONF33 - 4'				··· ,_	
		E303054-09					
		Reporting					
Analyte	Result	Limit	Dib	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2311043
Benzene	ND	0.0250		1	03/15/23	03/17/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/17/23	
Foluene	ND	0.0250		1	03/15/23	03/17/23	
-Xylene	ND	0.0250		1	03/15/23	03/17/23	
o,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
Fotal Xylenes	ND	0.0250		1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		89.9 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		104 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst;	IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		89.9 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		104 %	70-130		03/15/23	03/17/23	
Ionhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0	1	1	03/16/23	03/17/23	<u> </u>
Dil Range Organics (C28-C36)	ND	50,0	1	1	03/16/23	03/17/23	
urrogate: n-Nonane		88.6 %	50-200	-	03/16/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311051
Chloride	2990	40.0		2	03/16/23	03/17/23	



#### Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 Reported: Roswell NM, 88201 Project Manager: Ashley Giovengo 3/20/2023 5:12:54PM CONF34 - 4' E303054-10 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY Batch: 2311043 Benzene ND 0.0250 03/15/23 1 03/17/23 Ethylbenzene ND 0.0250 03/15/23 03/17/23 1 Toluene ND 0.0250 1 03/15/23 03/17/23 o-Xylene ND 0.0250 03/15/23 1 03/17/23 p,m-Xylene ND ·0.0500 1 03/15/23 03/17/23 Total Xylenes ND 0.0250 1 03/15/23 03/17/23 Surrogate: Bromofluorobenzene 90.5 % 70-130 03/15/23 *03/17/23* Surrogate: 1,2-Dichloroethane-d4 95.7 % 70-130 03/15/23 03/17/23 Surrogate: Toluene-d8 103 % 03/15/23 70-130 03/17/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2311043 Gasoline Range Organics (C6-C10) ND 20.0 1 03/15/23 03/17/23 Surrogate: Bromofluorobenzene 90.5 % 70-130 03/15/23 03/17/23 Surrogate: 1,2-Dichloroethane-d4 95.7 % 03/15/23 70-130 03/17/23 Surrogate: Toluene-d8 03/15/23 103 % 70-130 03/17/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL Batch: 2311047 ND 25.0 1 Diesel Range Organics (C10-C28) 03/16/23 03/17/23 Oil Range Organics (C28-C36) ND 50.0 03/16/23 03/17/23 1 Surrogate: n-Nonane 93.7 % 50-200 03/16/23 03/17/23 Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA Batch: 2311051 Chloride 2020 40.0 2 03/16/23 03/17/23

Sample Data


#### Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number; 21022-0001 **Reported:** Roswell NM, 88201 Project Manager: Ashley Giovengo 3/20/2023 5:12:54PM CONF35 - 4' E303054-11 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY Batch: 2311043 Benzene ND 0.0250 1 03/15/23 03/17/23 Ethylbenzene ND 0.0250 1 03/15/23 03/17/23 Toluene ND 0.0250 1 03/15/23 03/17/23 o-Xylene ND 03/15/23 0.0250 1 03/17/23 p,m-Xylene ND 0.0500 1 03/15/23 03/17/23 Total Xylenes ND 0.0250 1 03/15/23 03/17/23 Surrogate: Bromofluorobenzene 89.9 % 70-130 03/15/23 03/17/23 Surrogate: 1,2-Dichloroethane-d4 98.1 % 70-130 03/15/23 03/17/23 Surrogate: Toluene-d8 03/15/23 104 % 70-130 03/17/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2311043 Gasoline Range Organics (C6-C10) ND 20.0 I 03/15/23 03/17/23 Surrogate: Bromofluorobenzene 89.9 % 03/15/23 70-130 03/17/23 Surrogate: 1,2-Dichloroethane-d4 98.1 % 03/15/23 03/17/23 70-130 Surrogate: Toluene-d8 104 % 03/15/23 70-130 03/17/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL Batch: 2311047 ND 1 03/16/23 Diesel Range Organics (C10-C28) 25.0 03/17/23 ND Oil Range Organics (C28-C36) 50.0 1 03/16/23 03/17/23 Surrogate: n-Nonane 101 % 03/16/23 03/17/23 50-200 mg/kg Anions by EPA 300.0/9056A mg/kg Analyst: BA Batch: 2311051 1100 03/16/23 03/17/23 Chloride 20,0 1

**Sample Data** 

# envirotech Inc.

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	S	Sample D	ata				
Harvard Petroleum Co 200 E 2nd St	Project Nam	1	che to NPO				
Roswell NM, 88201	Project Nun Project Man		22-0001 ley Gioven			Reported: 3/20/2023 5:12:54PM	
	T Tojeet Man	Agei. Asi		.go			3/20/2023 5:12:54PM
		CONF36 - 4'					
		E303054-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg Analyst: IY					Batch: 2311043	
Benzene	ND	0.0250		1	03/15/23	03/17/23	
ithyIbenzene	ND	0.0250		1	03/15/23	03/17/23	
oluene	ND	0.0250		1	03/15/23	03/17/23	
-Xylene	ND	0.0250		1	03/15/23	03/17/23	
,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
otal Xylenes	ND	0.0250		1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		91.5 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
lonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2311043
asoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/17/23	
urrogate: Bromofluorobenzene		91.5 %	70-130		03/15/23	03/17/23	
urrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		03/15/23	03/17/23	
urrogate: Toluene-d8		103 %	70-130		03/15/23	03/17/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	IL		Batch: 2311047
iesel Range Organics (C10-C28)	Organics (C10-C28) ND			1	03/16/23	03/17/23	
il Range Organics (C28-C36)	ND	50.0	:	1	03/16/23	03/17/23	
urrogate: n-Nonane		94.9 %	50-200		03/16/23	03/17/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	BA		Batch: 2311051
hloride	3710	40.0		2	03/16/23	03/17/23	



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Harvard Petroleum Co	Project Nam		aha ta NDC	11	<u> </u>	
200 E 2nd St	Project Nun		22-0001	Water Transfer Line		<b>T</b> ( <b>t</b>
Roswell NM, 88201	Project Man		22-0001 lley Giovenge	-		Reported:
		agei, Asi	ney Glovenge	3/20/2023 5:12:54PM		
		CONF37 - 4'				
		E303054-13				
		Reporting				
Analyte	Result	Limit	Dilut	on Prepared	Analyzed	Notes
Velatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2311043
Benzene	ND	0.0250	1	03/15/23	03/17/23	
Ethylbenzene	ND	0.0250	1	03/15/23	03/17/23	
Toluene	ND	0.0250	1	03/15/23	03/17/23	
o-Xylene	ND	0.0250	1	03/15/23	03/17/23	
p,m-Xylene	ND	0.0500	1	03/15/23	03/17/23	
Total Xylenes	ND	0.0250	1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		91.3 %	70-130	03/15/23	03/17/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	03/15/23	03/17/23	
Surrogate: Toluene-d8		104 %	70-130	03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20,0	1	03/15/23	03/17/23	
Surrogate; Bromofluorobenzene		91.3 %	70-130	03/15/23	03/17/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	03/15/23	03/17/23	
Surrogate: Toluene-d8		104 %	70-130	03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50,0	1	03/16/23	03/17/23	
Surrogate: n-Nonane		93.1 %	50-200	03/16/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2311051
Chloride	4410	40.0	2	03/16/23	03/17/23	



	Ş	Sample D	ata				
Harvard Petroleum Co 200 E 2nd St	Project Nam Project Num	1	iche to NP 22-0001	G Water	Transfer Line		Reported:
Roswell NM, 88201	Project Man	ager: Ash	ley Giover	ıgo			3/20/2023 5:12:54PM
		CONF38 - 4'					· · ·
		E303054-14					
		Reporting					
Analyte	Result	Limit	Di	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg Analyst: IY				: IY		Batch: 2311043
Benzene	ND	0.0250		1	03/15/23	03/17/23	
Ethylbenzene	ND	0.0250		1	03/15/23	03/17/23	
Toluene	ND	0.0250		1	03/15/23	03/17/23	
o-Xylene	ND	0.0250		1	03/15/23	03/17/23	
p,m-Xylene	ND	0.0500		1	03/15/23	03/17/23	
Total Xylenes	ND	0.0250		1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		91.0 %	70-130		03/15/23	03/17/23	· · · ·
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		03/15/23	03/17/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		91.0 %	70-130		03/15/23	03/17/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		03/15/23	03/17/23	
Surrogate: Toluene-d8		102 %	70-130		03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0		1	03/16/23	03/17/23	
Oil Range Organics (C28-C36)	ND	50.0		1	03/16/23	03/17/23	
Surrogate: n-Nonane		93.4 %	50-200	· ·	03/16/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2311051
Chloride	2750	40.0		2	03/16/23	03/17/23	



Harvard Petroleum Co	Project Name:	Apa	che to NPG	Water Transfer Lir	ne	
200 E 2nd St	Project Numbe	er: 210	22-0001			Reported:
Roswell NM, 88201	Project Manag	er: Ash	ley Gioveng	3/20/2023 5:12:54PM		
	(	CONF39 - 4'			_	
		E303054-15				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	analyst: IY		Batch: 2311043
Benzene	ND	0.0250	1	03/15/23	03/17/23	
Ethylbenzene	ND	0.0250	1	03/15/23	03/17/23	
Toluene	ND	0.0250	1	03/15/23	03/17/23	
p-Xylene	ND	0.0250	1	03/15/23	03/17/23	
o,m-Xylene	ND	0.0500	1	03/15/23	03/17/23	
Total Xylenes	ND	0.0250	1	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		91.1 %	70-130	03/15/23	03/17/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/15/23	03/17/23	
Surrogate: Toluene-d8		104 %	70-130	03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	.nalyst: IY		Batch: 2311043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/23	03/17/23	_
Surrogate: Bromofluorobenzene		91.1 %	70-130	03/15/23	03/17/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/15/23	03/17/23	
Surrogate: Toluene-d8		104 %	70-130	03/15/23	03/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2311047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/23	03/17/23	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/23	03/17/23	
Surrogate: n-Nonane		92.3 %	50-200	03/16/23	03/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2311051
Chloride	3360	40.0	2	03/16/23	03/17/23	

Sample Data



#### **Sample Data** Harvard Petroleum Co Project Name: Apache to NPG Water Transfer Line 200 E 2nd St Project Number: 21022-0001 **Reported:** Roswell NM, 88201 Project Manager: Ashley Giovengo 3/20/2023 5:12:54PM CONF40 - 4' E303054-16 Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Volatile Organic Compounds by EPA 8260B mg/kg mg/kg Analyst: IY Batch: 2311043 Benzene ND 0.0250 03/15/23 03/17/23 1 Ethylbenzene ND 0.0250 1 03/15/23 03/17/23 Toluene ND 0.0250 ł 03/15/23 03/17/23 o-Xylene ND 0.0250 t 03/15/23 03/17/23 p,m-Xylene ND 0.0500 1 03/15/23 03/17/23 Total Xylenes ND 03/15/23 0.0250 1 03/17/23 Surrogate: Bromofluorobenzene 92.3 % 70-130 03/15/23 03/17/23 Surrogate: 1,2-Dichloroethane-d4 96.8 % 70-130 03/15/23 03/17/23 Surrogate: Toluene-d8 104 % 70-130 03/15/23 03/17/23 mg/kg Analyst; IY Nonhalogenated Organics by EPA 8015D - GRO mg/kg Batch: 2311043 Gasoline Range Organics (C6-C10) ND 20.0 1 03/15/23 03/17/23 Surrogate: Bromofluorobenzene 92.3 % 70-130 03/15/23 03/17/23 Surrogate: 1,2-Dichloroethane-d4 96.8 % 70-130 03/15/23 03/17/23 Surrogate: Toluene-d8 104 % 70-130 03/15/23 03/17/23 Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL Batch: 2311047 ND Diesel Range Organics (C10-C28) 25.0 1 03/16/23 03/17/23 Oil Range Organics (C28-C36) ND 50.0 1 03/16/23 03/17/23 Surrogate: n-Nonane 03/16/23 100 % 50-200 03/17/23 Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: BA Batch: 2311051 Chloride 3360 40.0 2 03/16/23 03/17/23



Harvard Petroleum Co		Project Name:		Apache to NPG	Water Tra	nsfer Lin	e		Reported:
200 E 2nd St		Project Number:		21022-0001					
Roswell NM, 88201		Project Manager:		Ashley Gioveng	go				3/20/2023 5:12:54PN
	Ve	olatile Organi	c Comp	oounds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2311043-BLK1)							Prepared: 0	3/15/23	Analyzed: 03/17/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
		0.0250	0.500		01.6	70 120			
Surrogate: Bromofluorobenzene	0.458		0.500		91.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
LCS (2311043-BS1)							Prepared: 0	3/15/23	Analyzed: 03/17/23
Benzene	2.79	0.0250	2.50		111	70-130			
Ethylbenzene	2.72	0.0250	2.50		109	70-130			
Foluene	2.84	0.0250	2.50		113	70-130			
o-Xylene	2.91	0.0250	2.50		117	70-130			
p,m-Xylene	5.57	0.0500	5.00		111	70-130			
Fotal Xylenes	7.68	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1				
Surrogate: T12-Dichloroethane-a4 Surrogate: Toluene-d8	0.490		0.500		102	70-130 70-130			
Matrix Spike (2311043-MS1)				Source	E303054-(	10	Prepared: 0	3/15/23	Analyzed: 03/17/23
Benzene	2.94	0.0250	2.50	ND	118	48-131	rieparea. o	5/15/25 1	mary2ed. 05/17/25
Ethylbenzene	2.94	0.0250	2.50	ND	116	45-131			
Foluene	3.04	0.0250	2.50	ND	121	48-130			
o-Xylene	3.15	0.0250	2.50	ND	121	43-135			
o,m-Xylene	5.94	0.0500	5.00	ND	119	43-135			
Fotal Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.485	010467	0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.492 0.512		0.500 0.500		98.4 102	70-130 70-130			
	0.312		0.200						
Matrix Spike Dup (2311043-MSD1)	2.75		2.55	10.000	E303054-(				Analyzed: 03/17/23
Benzene	2.75	0.0250	2.50	ND	110	48-131	6.84	23	
thylbenzene	2.71	0.0250	2.50	ND	108	45-135	6.89	27	
oluene	2.83	0.0250	2.50	ND	113	48-130	6.99	24	
-Xylene	2.93	0.0250	2.50	ND	117	43-135	7.14	27	
,m-Xylene	5.54	0.0500	5.00	ND	111	43-135	7.04	27	
otal Xylenes	8.66	0.0250	7.50	ND	116	43-135	12.0	27	
urrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
urrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			



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		QC S	umme	ry Dat	a					
Harvard Petroleum Co 200 E 2nd St		Project Name: Apache to NPG Water Transfer Line Project Number: 21022-0001						Reported:		
Roswell NM, 88201		Project Manager:	A	shley Gioveng	zo				3/20/2023 5:12:54PM	
-	No	onhalogenated O	rganics	by EPA 80	15D - G	RO			Analyst: IY	
Analyte		Reporting	Spike	Source		Rec		RPD		
	Result	Limit	Level	Result	Rec	Limits		Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2311043-BLK1)							Prepared; 0	3/15/23 A	analyzed: 03/17/23	
Gasoline Range Organics (C6-C10)	ND	20,0				_			· · · ·	
Surrogate: Bromofluorobenzene	0.458		0.500		91.6	70-130			· ·	
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130				
Surrogate: Toluene-d8	0.515		0.500		103	70-130				
LCS (2311043-BS2)							Prepared: 0	3/15/23 A	analyzed: 03/17/23	
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.7	70-130				
Surrogate: Bromofluorobenzene	0.47]		0.500		94.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130				
urrogate: Toluene-d8	0.518		0.500		104	70-130				
Matrix Spike (2311043-MS2)				Source:	E303054-	09	Prepared: 02	3/15/23 A	analyzed: 03/18/23	
Fasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130				
urrogale: Bromofluorobenzene	0.472		0.500		94.4	70-130				
urrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130				
urrogate: Toluene-d8	0.512		0.500		102	70-130				
Matrix Spike Dup (2311043-MSD2)				Source:	E303054-0	19	Prepared: 03	3/15/23 A	analyzed; 03/18/23	
Jasoline Range Organics (C6-C10)	50,0	20.0	50,0	ND	100	70-t30	1.39	20		
urrogate: Bromofluorobenzene	0.465		0.500		92.9	70-130				
urrogate: 1,2-Dichloroethane-d4	0.473		0.500		94,5	70-130				
Surrogate: Toluene-d8	0.521		0.500		104	70-130				

		QC S	umma	ary Dat	a				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager:	23	pache to NPG 1022-0001 shley Gioven		<b>Reported:</b> 3/20/2023 5:12:54PM			
	Nonh	alogenated Org	anics by	EPA 8015I	D - DRO/	ORO/			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2311047-BLK1)					•		Prepared: 0	3/16/23 A	Analyzed: 03/16/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25,0 50,0				•			-
Surrogale: n-Nonane	50.3		50.0	•	101	50-200			
LCS (2311047-BS1)							Prepared: 0	3/16/23 A	Analyzed: 03/16/23
Diesel Range Organics (C10-C28)	274	25,0	250		110	38-132			
Surrogate: n-Nonane	45,4		50.0		90.8	50-200			
Matrix Spike (2311047-MS1)				Source:	E303054-1	1	Prepared: 0	3/16/23 A	analyzed: 03/16/23
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			
Matrix Spike Dup (2311047-MSD1)				Source:	E303054-1	1	Prepared: 0	3/16/23 A	analyzed: 03/16/23
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	3.41	20	
Surrogate: n-Nonane	43.2		50.0		86.5	50-200			



#### **QC Summary Data** . Harvard Petroleum Co Apache to NPG Water Transfer Line Project Name: Reported: 200 E 2nd St Project Number: 21022-0001 Roswell NM, 88201 Project Manager: Ashley Giovengo 3/20/2023 5:12:54PM Anions by EPA 300.0/9056A Analyst: BA Reporting Limit Spike Source RPD Rec Analyte Result RPD Result Level Rec Limits Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2311051-BLK1) Prepared: 03/16/23 Analyzed: 03/17/23 Chloride ND 20.0 LCS (2311051-BS1) Prepared: 03/16/23 Analyzed: 03/17/23 Chloride 247 250 98.8 90-110 20.0 Matrix Spike (2311051-MS1) Source: E303054-01 Prepared: 03/16/23 Analyzed: 03/17/23 Chloride 7770 100 250 7380 156 80-120 M2 Matrix Spike Dup (2311051-MSD1) Prepared: 03/16/23 Analyzed: 03/17/23 Source: E303054-01 Chloride 7620 250 7380 100 94.7 80-120 2.01 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



#### **Definitions and Notes**

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	·
200 E 2nd St	Project Number:	21022-0001	Reported:
Roswell NM, 88201	Project Manager:	Ashley Giovengo	03/20/23 17:12

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody 10: 45248

Page 1 of 2

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	larvard Petro				Bill To	200 12	A. S. S. S.		La	ab U	se Or	ly				TA	T	EPA P	rogram
	Apache to N			er Line	Attention: Wescom Inc	19	Lab	WO	1		Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA
	Aanager: As		/engo		Address: 1224 Standpipe Rd	The second	E2	23	054	1	21	m-	0001				x		
	1224 Stand				City, State, Zip: Carlsbad, NM 8	8220			-		Analy	sis ar	nd Metho	bd					RCRA
City, Stat	e, Zip: Carls	bad, NM	88220		Phone: 505-382-1211									T	T	TT			
	505-382-121	de la seconda			Email: ashley.giovengo@wesco	ominc.com	15	15										State	
	shley.gioven	go@wes	cominc.c	om			V 80	y 80	-			0.0		5			NM CO	UTAZ	TX
Report d	ue by:						30 b	30 b	802	826	6010	e 30		NN	14	1 1	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by \$260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	0
11:29	3/14/23	Soil	1 Jar		CONF25 - 4'									x					
11:32	3/14/23	Soil	1 Jar		CONF26 - 4'	2								x					
11:35	3/14/23	Soil	1 Jar		CONF27 - 4'	3								x					
11:38	3/14/23	Soil	1 Jar		CONF28 - 4'	4								x					
11:46	3/14/23	Soil	1 Jar		CONF29 - 4'	5								x	T				
11:51	3/14/23	Soil	1 Jar		CONF30 - 4'	6								x					
11:53	3/14/23	Soil	1 Jar		CONF31 - 4'	7								x					
12:08	3/14/23	Soil	1 Jar		CONF32 - 4'	8								x					
12:10	3/14/23	Soil	1 Jar		CONF33 - 4'	9								x	T				
13:05	3/14/23	Soil	1 Jar		CONF34 - 4'	10								x					
justin.we	nner@wesc	ominc.co	m		urton@wescominc.com, shar.har				n, ash	ley.		_					n.johnsen@v		
date or time	of collection is co	onsidered fra	aud and may	be grounds for legal ac	tion. Sampled by:	idening the sample	ocation	n,									⁶ [°] C on subsequent d		ied of received
shu	d by Signator	per	0 21	3.15. Ime	123 Michelle Curre	1 3-15	23	Time /(	04	2	Rec	eived	on ice:	man and the	ab L	lse On N	ly		
Mul		with	Date 3	15-23 1631	Received by: (Signature)	Date 3-15	,23	Time	20	30	T1			<u>T2</u>			<u>T3</u>		
Chil	d by (Signature	13		1523 240	Received by: (Signature)	Date 3-16-		Time	700	2	AVO	i Tem	p°C	1					
Sample Matr	ix: S - Soil, Sd - So	olid, Sg - Slud	ige, A - Aque	eous, O - Other		Containe		e: g - 1	glass,	p - p				per gla	iss, v	- VOA			
Note: Samp	les are discarde	ed 30 days	after result	ts are reported unless	other arrangements are made. Hazarde	ous samples will b	e retu	med t	o clier	nt or i	dispos	ed of a					port for the ana	alysis of the	above
samples is a	pplicable only	to those sa	imples rece	eived by the laborator	y with this COC. The liability of the labora	tory is limited to	the an	nount	paid f	or on	the re	port.							

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Released to Imaging: 9/15/2023 11:51:00 AM

#### **Project Information**

#### Chain of Custody

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	Harvard Petro	a decision of the second s		10	Bill To		Sec.		La	b Us	e On	ly				TA	AT	EPA P	rogram
	Apache to N							1D	2D	3D	Standard	CWA	SDWA						
	Manager: Asl		engo		Address: 1224 Standpipe Rd	-	E	303	054	1	210	22-	1000				x		1
	1224 Stand					State, Zip: Carlsbad, NM 88220					Analy	sis a	nd Metho	d	1	-			RCR/
	te, Zip: Carls	and the second sec	88220		Phone: 505-382-1211							1.00						-	
	505-382-121				Email: ashley.giovengo@wes	cominc.com	015	015										State	
eport d	shley.gioven	go@west	cominc.co	<u></u>			by 8	by 8	121	09	0	0.00		WZ			NM CO	UT AZ	TX
						Long training	ORO	DRO	oy 8(	y 82	8 60	de 3			X		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	li man second
13:07	3/14/23	Soil	1 Jar		CONF35 - 4'	11								x					
13:09	3/14/23	Soil	1 Jar		CONF36 - 4'	12								x					-
13:11	3/14/23	Soil	1 Jar		CONF37 - 4'	13								x					
13:15	3/14/23	Soil	1 Jar		CONF38 - 4'	14								x					
13:17	3/14/23	Soil	1 Jar		CONF39 - 4'	15								x					
13:21	3/14/23	Soil	1 Jar		CONF40 - 4'	16								x					
														x					
														x					
							1							x					
												-		x					
stin.we	enner@wesc	ominc.co	m		ourton@wescominc.com, shar.ha				, ash	ley.g	giove	ngo(	@wescoi	minc.	com,	jasor	l n.johnsen@w	escomin	c.com,
			ud and may	be grounds for legal a			-				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						ceived on ice the day 5 °C on subsequent di	and the second second	ed or rece
PAL	ed by: (Signator	ROA	202	23 0.1	12 Received by: (Signature)	2 JATE	23	Time 10	142	2	Rece	eived	on ice:		ab U:	se On	ly		
nul	ed by: (Signarum ed by: (Signatur	uns	Date Date	5-27 163 Time		3-15	5-23	P17	30	>	<u>T1</u>			<u>T2</u>			<u>T3</u>		
In	In/		31	5-2324(	Received by: (Signature)	U 3-16-	23	Time	ot	,	AVG	Tem	np °C_	4					
mpleMat	rix: S- Soil, Sd - So	lid, Sg - Sluc	ige, A - Aque	ous, O - Other		Container	Type	: g - g	lass.	n - n	ly/nl	astic	ag - amb	er gla	SS. V -	VOA			

samples are uscarded at days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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#### **Envirotech Analytical Laboratory** Sample Receipt Checklist (SRC)

Printed: 3/16/2023 9:00:11AM

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Instructions: Please take note of any NO checkmarks.

Client:	Harvard Petroleum Co	Date Received:	03/16/2	3 07:00	Work Order ID:	E303054
Phone:	(505) 382-1211	Date Logged In:	03/15/2	3 15:15	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	03/22/2	3 17:00 (4 day TAT)		ennin enninnin
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
	he number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Courier. Courier		
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio	the field,	Yes		Comment	s/Resolution
Sample 7	Curn Around Time (TAT)	л.			comment	s/Resolution
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (			103			
34201643	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
1. If yes	, were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes			
	Container		-			
	queous VOC samples present?		No			
5. Are V	OC samples collected in VOA Vials?		NA			
6. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
9. Is the a	ppropriate volume/weight or number of sample contain	ers collected?	Yes			
	<b>rel</b> field sample labels filled out with the minimum infor umple ID?	mation:	Yes			
	ate/Time Collected?		Yes			
	ollectors name?		No			
	reservation					
	he COC or field labels indicate the samples were pro	eserved?	No			
	mple(s) correctly preserved? filteration required and/or requested for dissolved me	atala?	NA			
		stars?	No			
Jullinna	se Sample Matrix	2				
	he sample have more than one phase, i.e., multiphas		No			
6. Does t		ea?	NA			
6. Does t 7. If yes,	does the COC specify which phase(s) is to be analy:					
6. Does t 7. If yes, <b>ubcontr</b> :	act Laboratory					
6. Does t 7. If yes, <u>ubcontr</u> 8. Are sa			No NA			

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

### **Analytical Report**

### Harvard Petroleum Co

Project Name:	Apache to NPG Water Transfer Line
Work Order:	E303083
Job Number:	21022-0001
Received:	3/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/24/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/24/23

Ashley Giovengo 200 E 2nd St Roswell, NM 88201

Project Name: Apache to NPG Water Transfer Line Workorder: E303083 Date Received: 3/23/2023 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/23/2023 7:00:00AM, under the Project Name: Apache to NPG Water Transfer Line.

The analytical test results summarized in this report with the Project Name: Apache to NPG Water Transfer Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

#### Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

#### ported: 3/24/23

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#### *Received by OCD: 5/2/2023 2:25:07 PM*

		Sample Summary							
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number: Project Manager;	Apache to NPG Water Transfer Line 21022-0001 Ashley Giovengo		e Reported: 03/24/23 10:29				
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container				
CONF12 - 4'	E303083-01A	Soil	03/21/23	03/23/23	Glass Jar, 2 oz.				
CONF20 Wall - 2' E303083-02A		Soil	03/21/23	Glass Jar, 2 oz.					

		ampie D					
Harvard Petroleum Co	Project Name	e: Apa	che to NPG	Water Tr	ansfer Line		
200 E 2nd St	Project Num	ber: 210	22-0001				Reported:
Roswell NM, 88201	Project Mana	ager: Ash	ley Gioveng	3/24/2023 10:29:26AN			
		CONF12 - 4'					
		E303083-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	2	Analyst: S	L		Batch: 2312043
Benzene	ND	0.0250	1		03/23/23	03/23/23	
Ethylbenzene	ND	0.0250	1		03/23/23	03/23/23	
Toluene	ND	0.0250	1		03/23/23	03/23/23	
p-Xylene	ND	0.0250	1		03/23/23	03/23/23	
p,m-Xylene	ND	0.0500	1		03/23/23	03/23/23	
Total Xylenes	ND	0.0250	1		03/23/23	03/23/23	
Surrogate: Bromofluorobenzene		90.9 %	70-130		03/23/23	03/23/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		03/23/23	03/23/23	
Surrogate: Toluene-d8		103 %	70-130		03/23/23	03/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Sl	L		Batch: 2312043
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/23/23	03/23/23	
Surrogate: Bromofluorobenzene		90.9 %	70-130		03/23/23	03/23/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		03/23/23	03/23/23	
Surrogate: Toluene-d8		103 %	70-130		03/23/23	03/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JI			Batch: 2312041
Diesel Range Organics (C10-C28)	ND	25.0	1		03/22/23	03/23/23	
Dil Range Organics (C28-C36)	ND	50.0	1		03/22/23	03/23/23	
Surrogate: n-Nonane		80.4 %	50-200		03/22/23	03/23/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: B.	A		Batch: 2312046
Chloride	15300	400	20	)	03/23/23	03/23/23	

### Sample Data

		sample D	ala				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201	Project Nan Project Nun Project Mar	aber: 210	ache to NP 22-0001 aley Giover		Transfer Line		Reported: 3/24/2023 10:29:26AN
	C	ONF20 Wall	- 2'				
		E303083-02					
		Reporting	,				
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2312043
Benzene	ND	0.0250		1	03/23/23	03/23/23	
Ethylbenzene	ND	0.0250		1	03/23/23	03/23/23	
Toluene	ND	0.0250		1	03/23/23	03/23/23	
o-Xylene	ND	0.0250		1	03/23/23	03/23/23	
o,m-Xylene	ND	0.0500		1	03/23/23	03/23/23	
Total Xylenes	ND	0.0250		1	03/23/23	03/23/23	
Surrogate: Bromofluorobenzene		92.2 %	70-130		03/23/23	03/23/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		03/23/23	03/23/23	
Surrogate: Toluene-d8		104 %	70-130		03/23/23	03/23/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2312043
Gasoline Range Organics (C6-C10)	ND	20,0		1	03/23/23	03/23/23	
lurrogate: Bromofluorobenzene		92.2 %	70-130		03/23/23	03/23/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		03/23/23	03/23/23	
Surrogate: Toluene-d8		104 %	70-130		03/23/23	03/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	_mg/kg		Analyst:	л		Batch: 2312041
Diesel Range Organics (C10-C28)	ND	25.0		1	03/22/23	03/23/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/22/23	03/23/23	
urrogate: n-Nonane		85.6 %	50-200		03/22/23	03/23/23	
nions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2312046
Chloride	ND	20.0		1	03/23/23	03/23/23	





Harvard Petroleum Co		Project Name:	Ar	ache to NPG	Water Tra	nsfer Lin	e		Reported:
200 E 2nd St		Project Number:	21	022-0001					•
Roswell NM, 88201		Project Manager:	As	hley Gioven	go			3	/24/2023 10:29:26AM
	V	olatile Organic	Compoi	inds by El	PA 82601	B			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2312043-BLK1)							Prepared: 0	3/77/73 Ar	alyzed: 03/23/23
Benzene	ND	0.0250			<u> </u>	-	110parea. 0.		
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene		0.0230	0.500		025	70 170			
	0.468				93.5 06 0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
lurrogate: Toluene-d8	0.519		0.500		104	70-130			
LCS (2312043-BS1)	_						Prepared: 03	3/22/23 An	alyzed: 03/23/23
Senzene	2.28	0.0250	2.50		91.3	70-130			
thylbenzene	2.37	0.0250	2.50		94.7	70-130			
oluene	2.36	0.0250	2.50		94.6	70-130			
-Xylene	2.41	0.0250	2.50		96.2	70-130			
,m-Xylene	4.80	0.0500	5.00		96.0	70-130			
Fotal Xylenes	7.20	0.0250	7.50		96.1	70-130			
Surrogate: Bromofluorobenzene	0.501	· · · · ·	0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
Matrix Spike (2312043-MS1)				Source:	E303076-	02	Prepared: 03	3/22/23 An	alyzed: 03/23/23
Benzene	2.13	0.0250	2.50	ND	85.4	48-131			
Sthylbenzene	2.27	0.0250	2,50	ND	90.6	45-135			
oluene	2.24	0.0250	2,50	ND	89.8	48-130			
-Xylene	2.30	0.0250	2.50	ND	91.9	43-135			
,m-Xylene	4.57	0.0500	5.00	ND	91.5	43-135			
otal Xylenes	6.87	0.0250	7.50	ND	91.6	43-135			
urrogate: Bromofluorobenzene	0.505		0.500	· ·	101	70-130			
urrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
urrogate: 1,2-Dichloroethane-a4 urrogate: Toluene-d8	0.487		0.500		93.4 105	70-130			
Matrix Spike Dup (2312043-MSD1)				Source:	E303076-0	)2	Prenared: 02	3/22/23 An	alyzed: 03/23/23
A A A A A A A A A A A A A A A A A A A	<b>7</b> 15		2.50						
	2.15	0.0250	2.50 2.50	ND	86.0	48-131	0.770	23	
	2.24		2.30	ND	90.3	45-135	0.354	27	
thylbenzene	2,26	0.0250		MD	60.3				
thylbenzene Diuene	2,26	0.0250	2,50	ND	90.3	48-130	0.533	24	
thylbenzene oluene -Xylene	2,26 2.29	0.0250 0.0250	2.50 2.50	ND	91.7	43-135	0.218	27	
thylbenzene oluene -Xylene m-Xylene	2.26 2.29 4.52	0.0250 0.0250 0.0500	2,50 2,50 5,00	ND ND	91.7 90,3	43-135 43-135	0.218 1.23	27 27	
ihylbenzene oluene Xylene m-Xylene tal Xyleues	2,26 2.29 4.52 6.81	0.0250 0.0250	2.50 2.50 5.00 7.50	ND	91.7 90.3 90.8	43-135 43-135 43-135	0.218	27	
thylbenzene oluene -Xylene m-Xylene otal Xylenes urrogate: Bromofluorobenzene	2.26 2.29 4.52 6.81 0.503	0.0250 0.0250 0.0500	2,50 2,50 5,00 7,50 0.500	ND ND	91.7 90.3 90.8 101	43-135 43-135 43-135 70-130	0.218 1.23	27 27	
Senzene Schylbenzene Toluene Xylene m-Xylene Stal Xylenes Turrogate: Bromofluorobenzene Turrogate: 1,2-Dichloroethane-d4	2,26 2.29 4.52 6.81	0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50	ND ND	91.7 90.3 90.8	43-135 43-135 43-135	0.218 1.23	27 27	

		QC Si	umn	nary Data					
Harvard Petroleum Co 200 E 2nd St		Project Name: Project Number:		Apache to NPG W 21022-0001	/ater Tra	ansfer Line	e		Reported:
Roswell NM, 88201		Project Manager:		Ashley Giovengo					3/24/2023 10:29:26AN
2	No	nhalogenated O	rganic	es by EPA 8015	5 <b>D</b> - G	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2312043-BLK1)		4					Prepared: 0	3/22/23 A	Analyzed: 03/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			
LCS (2312043-BS2)							Prepared: 0	3/22/23 A	Analyzed: 03/23/23
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
Matrix Spike (2312043-MS2)				Source: E3	303076-	02	Prepared: 0	3/22/23 A	Analyzed: 03/23/23
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.3	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Matrix Spike Dup (2312043-MSD2)				Source: E3	303076-	02	Prepared: 0	3/22/23 A	Analyzed: 03/23/23
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130	3.96	20	
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			



		QC Si	umma	ary Data	L				
Harvard Petroleum Co 200 E 2nd St		Project Name: Project Number:	-						Reported:
Roswell NM, 88201		Project Manager;	A	shley Giovengo	)				3/24/2023 10:29:26AM
	Nonh	alogenated Orga	anics by	EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2312041-BLK1)							Prepared: 0	3/22/23 A	Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			
LCS (2312041-BS1)							Prepared: 0	3/22/23 A	Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
Surrogale: n-Nonane	39.6		50,0		79.2	50-200			
Matrix Spike (2312041-MS1)				Source: E	303075-	01	Prepared: 0	3/22/23 A	Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.1	38-132			
Surrogate: n-Nonane	36.2		50.0		72.4	50-200			
Matrix Spike Dup (2312041-MSD1)				Source: E	303075-	01	Prepared: 0	3/22/23 A	analyzed: 03/22/23
Diesel Range Organics (C10-C28)	222	25.0	250	ND	88.9	38-132	3.62	20	
Surrogate: n-Nonane	36.1		50.0		72.3	50-200			



.

		QCS	Summa	ry Dat	a				
Harvard Petroleum Co 200 E 2nd St Roswell NM, 88201		Project Name: Project Number Project Manage	: 21	pache to NPG 022-0001 shley Giovens		nsfer Lin	 2		Reported: 3/24/2023 10:29:26AM
				00.0/9056					Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2312046-BLK1)									nalyzed: 03/23/23
Chloride LCS (2312046-BS1)	ND	20,0					Prepared: 0	3/23/23 Ai	nalyzed: 03/23/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2312046-MS1) Chloride	12200	400	250	Source: 15300	E303083-0	80-120	Prepared: 0.	3/23/23 Ai	nalyzed: 03/23/23 M4
Matrix Spike Dup (2312046-MSD1)				Source:	E303083-0	01	Prepared: 0	3/23/23 At	nalyzed: 03/23/23
Chloride	13600	400	250	15300	NR	80-120	10.6	20	M4

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



#### Received by OCD: 5/2/2023 2:25:07 PM

#### **Definitions and Notes**

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	· · · · · · · · · · · · · · · · · · ·
200 E 2nd St	Project Number:	21022-0001	Reported:
Roswell NM, 88201	Project Manager:	Ashley Giovengo	03/24/23 10:29

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



-

**Project Information** 

### Chain of Custody PO - 45544

Page ____ of ____

envirotech 🥝

	larvard Petro					1	Bill To				La	ab Us	se On	ly				TA	AT	EPA P	rogram
Alternative statements where the	Apache to N	the state of the second s	The second se	r Line		Attention: Wescom		here and the second second	Lab	WO#	1.	1.	Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA
And the second s	Aanager: As		rengo			Address: 1224 Stan	and the second se		E	303	08	3	210	72-	and	X					
	1224 Stand					City, State, Zip: Carl	and the second se						Analy	isis a	nd Metho	bd					RCRA
	te, Zip: Carls		88220			Phone: 505-382-12	11									T			1993		
the second s	505-382-121					Email: ashley.giover	ngo@wescomin	c.com	115	115										State	
	shley.gioven	go@wes	cominc.co	om					y 80	y 80	51	0	0	0.0		5			NM CO	UT AZ	TX
Report d	ue by:				10 COE			C	ROb	ROb	80	826	601(	e 30		NNN	Ĕ		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
15:55	3/21/23	Soil	1 Jar			CONF12 - 4'		1								x					_
9:40	3/21/23	Soil	1 Jar			CONF20 Wall - 2'		2								x					
						Station (1997) 2012 2012 2017 Concerning Control (1997) 2019 (1997) 2019		1 Share													
justin.w I, (field sam	enner@wes	cominc.c	om VIS	y of this sample	1 (00) e. I am aw	rton@wescominc.com W _ M 3/23/23 are that tambering with or into on. Sampled	entionally mislabelling				, ash	iley.	Sample	is requi	ring thermal	preserva	ition mi	ust be rec	n.johnsen@w	they are sampl	
XA.	ied by: Istenstu	PROR	0	223	Time OI:30	Por Michelle	Eigh	Date 3-22-	23	Time 13	30	)	Rece	eived	on ice:		ab U	se On	ly		
TMIL	ned by Signofu	re) wall	Date	22-27	Time 160	Received by: (Signa	ture	Date 3 22-2	and the second	Time	00		T1			T2			T3		
Relinquish	ned by: (Signatu	创	Date	1	Time	Received by: (Signa		Date 03-23-	23	Time	:00		AVG	Tem	np °c 4	D					
Sample Matrix: S - Soli, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					~	Container	Туре	: g - g	lass.						SS. V	VOA			1.1		
						other arrangements are m	ade. Hazardous sar												port for the ana	lysis of the	bove
samples is	applicable only	y to those s	amples reco	eived by the la	aboraton	with this COC. The liability	y of the laboratory is	limited to t	he am	ount	paid fo	or on	the re	port.							

Page 12 of 13

11. If yes, were custody/security seals intact?

minutes of sampling

14. Are aqueous VOC samples present?

15. Are VOC samples collected in VOA Vials?

16. Is the head space less than 6-8 mm (pea sized or less)?

18. Are non-VOC samples collected in the correct containers?

19. Is the appropriate volume/weight or number of sample containers collected?

20. Were field sample labels filled out with the minimum information:

21. Does the COC or field labels indicate the samples were preserved?

24. Is lab filteration required and/or requested for dissolved metals?

26. Does the sample have more than one phase, i.e., multiphase?

28. Are samples required to get sent to a subcontract laboratory?

29. Was a subcontract laboratory specified by the client and if so who?

27. If yes, does the COC specify which phase(s) is to be analyzed?

17. Was a trip blank (TB) included for VOC analyses?

Sample Container

Field Label

Sample ID?

Sample Preservation

Date/Time Collected?

22. Are sample(s) correctly preserved?

Collectors name?

Multiphase Sample Matrix

Subcontract Laboratory

**Client Instruction** 

12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C

Note: Thermal preservation is not required, if samples are received w/i 15

13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u>

#### **Envirotech Analytical Laboratory**

Printed: 3/23/2023 8:29:38AM

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Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

Client:	Harvard Petroleum Co	Date Received:	03/23/23 07:	00	Work Order ID:	E303083
Phone:	(505) 382-1211	Date Logged In:	03/22/23 15:	09	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	03/23/23 17:	00 (0 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site local	tion match the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times	, requested analyses?	Yes			
5. Were	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be con i.e, 15 minute hold time, are not included in this				Commen	ts/Resolution
Sample	Turn Around Time (TAT)	disuession.			Commen	3/ Resolution
Sea consisting and	ne COC indicate standard TAT, or Expedited 7	°AT9	Yes			
Sample			103			
	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	5 5 F F		110			

NA

Yes

No

NA

NA

NA

Yes

Yes

Yes

Yes

No

No

NA

No

No

NA

No

NA

Subcontract Lab: NA

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

# ATTACHMENT F

### 48-Hour Confirmation Sampling Notification Emails



Energizing America wescominc.com | info@wescominc.com | 218-724-1322

Apache to NPG Water Transfer Line | Incident ID: nAPP23042794

From:	Cole Burton
To:	OCD. Enviro (ocd.enviro@emnrd.nm.gov)
Cc:	Ashley Giovengo; Shar Harvester; Cody York; Joey Croce
Subject:	48-Hour Confirmation Sample Notice - Apache to NPG Water Transfer Line (nAPP230342794)
Date:	Monday, February 27, 2023 7:52:00 AM

Hello All,

We intend to take confirmation samples at the Apache to NPG Water Transfer Line (nAPP230342794) starting on Wednesday (3/1/23) through Wednesday (3/8/23).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

**Cole Burton**, Environmental Field Technician **O** (218) 724-1322 | **C** (505) 205-0455 **WescomInc.com** | cole.burton@WescomInc.com "I am in charge of my own safety."

From:	Cole Burton
To:	OCD. Enviro (ocd.enviro@emnrd.nm.gov)
Cc:	Ashley Giovengo: Shar Harvester; Cody York; Joey Croce
Subject:	RE: 48-Hour Confirmation Sample Notice - Apache to NPG Water Transfer Line (nAPP230342794)
Date:	Tuesday, March 7, 2023 7:06:00 AM

Hello,

Please extend this sampling event through Wednesday (3/15/23).

Thanks,

Cole Burton, Environmental Field Technician O (218) 724-1322 | C (505) 205-0455 WescomInc.com | cole.burton@WescomInc.com "I am in charge of my own safety."

From: Cole Burton

Sent: Monday, February 27, 2023 7:53 AM

To: OCD. Enviro (ocd.enviro@emnrd.nm.gov) <ocd.enviro@emnrd.nm.gov>

Cc: Ashley Giovengo <ashley.giovengo@wescominc.com>; Shar Harvester

<Shar.Harvester@WescomInc.com>; Cody York <cody.york@wescominc.com>; Joey Croce <Joey.Croce@WescomInc.com>

**Subject:** 48-Hour Confirmation Sample Notice - Apache to NPG Water Transfer Line (nAPP230342794)

Hello All,

We intend to take confirmation samples at the Apache to NPG Water Transfer Line (nAPP230342794) starting on Wednesday (3/1/23) through Wednesday (3/8/23).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

**Cole Burton**, Environmental Field Technician **O** (218) 724-1322 | **C** (505) 205-0455 <u>WescomInc.com</u> | <u>cole.burton@WescomInc.com</u> "I am in charge of my own safety."

From:	Cole Burton
To:	OCD. Enviro (ocd.enviro@emnrd.nm.gov)
Cc:	Ashley Giovengo; Shar Harvester; Cody York; Joey Croce
Subject:	RE: 48-Hour Confirmation Sample Notice - Apache to NPG Water Transfer Line (nAPP230342794)
Date:	Friday, March 17, 2023 7:12:00 AM

Hello All,

We intend to take confirmation samples at the Apache to NPG Water Transfer Line (nAPP230342794) on Tuesday (3/21/23).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Cole Burton, Environmental Field Technician O (218) 724-1322 | C (505) 205-0455 WescomInc.com | cole.burton@WescomInc.com "I am in charge of my own safety."

From: Cole Burton
Sent: Tuesday, March 7, 2023 7:07 AM
To: OCD. Enviro (ocd.enviro@emnrd.nm.gov) <ocd.enviro@emnrd.nm.gov>
Cc: Ashley Giovengo <ashley.giovengo@wescominc.com>; Shar Harvester
<Shar.Harvester@WescomInc.com>; Cody York <cody.york@wescominc.com>; Joey Croce
<Joey.Croce@WescomInc.com>
Subject: RE: 48-Hour Confirmation Sample Notice - Apache to NPG Water Transfer Line
(nAPP230342794)

Hello,

Please extend this sampling event through Wednesday (3/15/23).

Thanks,

Cole Burton, Environmental Field Technician O (218) 724-1322 | C (505) 205-0455 WescomInc.com | cole.burton@WescomInc.com "I am in charge of my own safety."

From: Cole Burton
Sent: Monday, February 27, 2023 7:53 AM
To: OCD. Enviro (ocd.enviro@emnrd.nm.gov) <ocd.enviro@emnrd.nm.gov>
Cc: Ashley Giovengo <ashley.giovengo@wescominc.com>; Shar Harvester
<Shar.Harvester@WescomInc.com>; Cody York <cody.york@wescominc.com>; Joey Croce
<Joev.Croce@WescomInc.com>

**Subject:** 48-Hour Confirmation Sample Notice - Apache to NPG Water Transfer Line (nAPP230342794)

Hello All,

We intend to take confirmation samples at the Apache to NPG Water Transfer Line (nAPP230342794) starting on Wednesday (3/1/23) through Wednesday (3/8/23).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

**Cole Burton**, Environmental Field Technician **O** (218) 724-1322 | **C** (505) 205-0455 <u>WescomInc.com</u> | <u>cole.burton@WescomInc.com</u> "*I am in charge of my own safety."* 

# ATTACHMENT G

### Special Status Plant Species Survey Report



Apache to NPG Water Transfer Line | Incident ID: nAPP23042794

Received by OCD: 5/2/2023 2:25:07 PM



## WESCOM, INC.

### APACHE TO NPG WATER TRANSFER

### SPECIAL STATUS PLANT SPECIES SURVEY REPORT

03/03/2023

Released to Imaging: 9/15/2023 11:51:00 AM

TABLE OF CONTENTS	
Summary	1
Figure 1: SSPS Overview Map for the Pipeline Spill	2

#### SUMMARY

CEHMM conducted a Special Status Plant Species (SSPS) survey for Scheer's beehive cactus (*Coryphantha robustispina* ssp. *scheeri*), of the Wescom, Inc. Apache to NPG Water Transfer Spill on March 3, 2023. Per Bureau of Land Management (BLM) regulations parallel transects for the SSPS survey spaced at 10 meters apart were walked, encompassing a 100-foot buffer around the Spill in potential habitat for Scheer's beehive cactus on BLM land.

Field Notes from the survey indicate that no individuals of the Scheer's beehive cactus were observed within the 100-foot buffer of the Spill.

**Released to Imaging: 9/15/2023 11:51:00 AM** 



Figure 1: SSPS Overview Map for the Pipeline Spill

4

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Page 182 of 182 CONDITIONS

Action 212778

CONDITIONS

Operator:	OGRID:
HARVARD PETROLEUM COMPANY, LLC	10155
P.O. Box 936	Action Number:
Roswell, NM 88202	212778
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2303432794 APACHE TO NPG WATER TRANSFER LINE, thank you. This closure is approved.	9/15/2023