Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2303432794
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

☒ Description of remediation activities

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

Printed Name: Shawna Martinez Title: Regulatory Specialist

Signature: Shawna Martinez Date: 5/2/2023

email: Shawna@walsheng.net Telephone: 505-327-4892

OCD Only

Received by: Jocelyn Harimon Date: 05/02/2023

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

Closure Approved by: Robert Hamlet Date: 9/15/2023

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 87410	

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)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 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: On February 1, 2023, a contractor struck a produced water transfer line. This resulted in the release of 150 bbls of produced water onto the pipeline ROW. Harvard Petroleum immediately isolated the source of the leak. The spill impacted an area of approximately 6,357 sq ft.

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

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

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

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

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

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2303432794
District RP	
Facility ID	
Application ID	

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

Printed Name: Shawna Martinez Title: Regulatory Specialist

Signature: Shawna Martinez Date: 5/2/2023

email: Shawna@walsheng.net Telephone: 505-324-4892

OCD Only

Received by: Jocelyn Harimon Date: 05/02/2023

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Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2303432794
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

Deferral Requests Only: ***Each of the following items must be 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.

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Printed Name: Shawna Martinez Title: Regulatory Specialist

Signature: Shawna Martinez Date: 5/2/2023

email: Shawna@walsheng.net Telephone: 505-327-4892

OCD Only

Received by: Jocelyn Harimon Date: 05/02/2023

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

Signature: Date:

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2303432794
District RP	
Facility ID	
Application ID	

Closure

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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: Regulatory Specialist

Signature: Shawna Martinez Date: 5/2/2023

email: Shawna@walsheng.net Telephone: 505-327-4892

OCD Only

Received by: Jocelyn Harimon Date: 05/02/2023

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

Closure Approved by: Date:

Printed Name: Title:

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

COMPANY	Harvard Petroleum
LOCATION	Apache to NPG Water Transfer Line
API	N/A
PLSS	N-06-23S-31E
GPS	32.323667, -103.815833
INCIDENT ID	nAPP23042794

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.

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.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Apache to NPG Water Transfer Line — 32.323667, -103.815833						
Depth to Groundwater		Closure Criteria (unites in mg/kg)				
		Chloride * numberical limit or background, whichever is greater	TPH	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 yes, then**				
< 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 watering purposes?	No					
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a 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

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 OCD.Enviro@emnrd.nm.gov 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

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

FIGURES

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

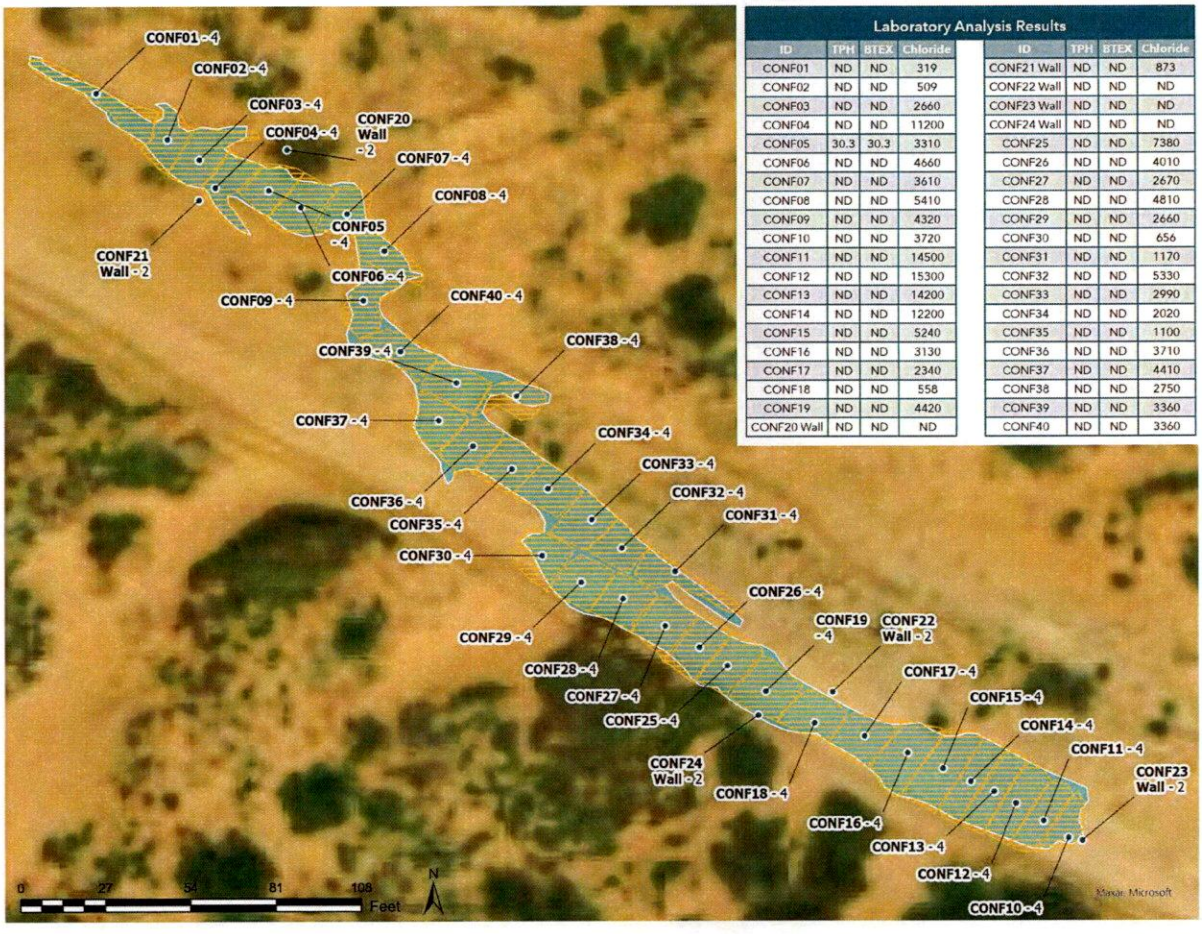
LEGEND

- Delineation Samples
- Spill Area

Laboratory Analysis Results

ID	TPH	BTEX	Chloride
BG01	ND	ND	ND
SS01	0.1115	ND	ND
SS02	ND	ND	ND
SS03	ND	ND	ND
SS04	ND	ND	ND
SS05	ND	ND	ND
SS06	ND	ND	ND
SS07	ND	ND	10800
SS08	ND	ND	9

WESCOM



Laboratory Analysis Results

ID	TPH	BTEX	Chloride
CONF01	ND	ND	319
CONF02	ND	ND	509
CONF03	ND	ND	2660
CONF04	ND	ND	11200
CONF05	30.3	30.3	3310
CONF06	ND	ND	4660
CONF07	ND	ND	3610
CONF08	ND	ND	5410
CONF09	ND	ND	4320
CONF10	ND	ND	3720
CONF11	ND	ND	14500
CONF12	ND	ND	15300
CONF13	ND	ND	14200
CONF14	ND	ND	12200
CONF15	ND	ND	5240
CONF16	ND	ND	3130
CONF17	ND	ND	2340
CONF18	ND	ND	558
CONF19	ND	ND	4420
CONF20 Wall	ND	ND	ND

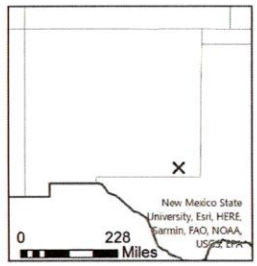
ID	TPH	BTEX	Chloride
CONF21 Wall	ND	ND	873
CONF22 Wall	ND	ND	ND
CONF23 Wall	ND	ND	ND
CONF24 Wall	ND	ND	ND
CONF25	ND	ND	7380
CONF26	ND	ND	4010
CONF27	ND	ND	2670
CONF28	ND	ND	4810
CONF29	ND	ND	2660
CONF30	ND	ND	656
CONF31	ND	ND	1170
CONF32	ND	ND	5330
CONF33	ND	ND	2990
CONF34	ND	ND	2020
CONF35	ND	ND	1100
CONF36	ND	ND	3710
CONF37	ND	ND	4410
CONF38	ND	ND	2750
CONF39	ND	ND	3360
CONF40	ND	ND	3360

FIGURE 2.
CONFIRMATION SAMPLES

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

LEGEND

- Confirmation Samples
- Confirmation Areas
- Spill Area



WESCOM

TABLES

Apache to NPG Water Transfer Line | nAPP23042794

Harvard Petroleum | 03.16.2023

Table 1. Laboratory Analysis Results: Delineation Samples

Sample Description			Petroleum Hydrocarbons			Inorganic
			Volatile		Extractable	
Sample ID	Depth (ft.)	Date	Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	Chloride (mk/kg)
Closure Criteria			**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

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene
DRO — Diesel Range Organics
ft. — Feet
TPH — Total Petroleum Hydrocarbons
GRO — Gasoline Range Organics
ND — Non-detect
mg/kg — Milligrams per Kilogram

Notes

Bold Red - Results are above closure criteria
Gray Highlight - Background Samples

Apache to NPG Water Transfer Line | nAPP23042794

Harvard Petroleum | 03.24.2023

Table 2. Laboratory Analysis Results: Confirmation Samples

Sample Description			Petroleum Hydrocarbons				Inorganic
			Volatile		Extractable		
Sample ID	Depth (ft.)	Date	Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	Chloride (mk/kg)
Closure Criteria			**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

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene
DRO — Diesel Range Organics
ft. — Feet
TPH — Total Petroleum Hydrocarbons
GRO — Gasoline Range Organics
ND — Non-detect
mg/kg — Milligrams per Kilogram

Notes

Bold Red - Results are above closure criteria
Gray Highlight - Background Samples

Apache to NPG Water Transfer Line | nAPP23042794

Harvard Petroleum | 03.24.2023

Table 2. Laboratory Analysis Results: Confirmation Samples

Sample Description			Petroleum Hydrocarbons				Inorganic
			Volatile		Extractable		
Sample ID	Depth (ft.)	Date	Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	Chloride (mk/kg)
Closure Criteria			**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

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene
DRO — Diesel Range Organics
ft. — Feet
TPH — Total Petroleum Hydrocarbons
GRO — Gasoline Range Organics
ND — Non-detect
mg/kg — Milligrams per Kilogram

Notes

Bold Red - Results are above closure criteria
Gray Highlight - Background Samples

ATTACHMENT A

C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	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 87410	

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	23S	31E	Eddy

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

Nature and Volume of Release

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

☐ 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)

Cause of Release Contractor struck produced water transfer line. Contractor immediately isolated the source of the leak. Please find attached pictures.

NOTE** THE NOTICE OF RELEASE HAS WRONG SECTION, TOWNSHIP, RANGE AND FOOTAGES. THIS WAS THE ONLY WAY I COULD SUBMIT THIS, AS A WATER TRANSFER LINE HAS NONE OF THOSE.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP230342794
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The volume that was released – 150 BBLs Produced Water
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☒ The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Shawna Martinez Title: Regulatory Specialist

Signature: _____ Date: 2-3-2023

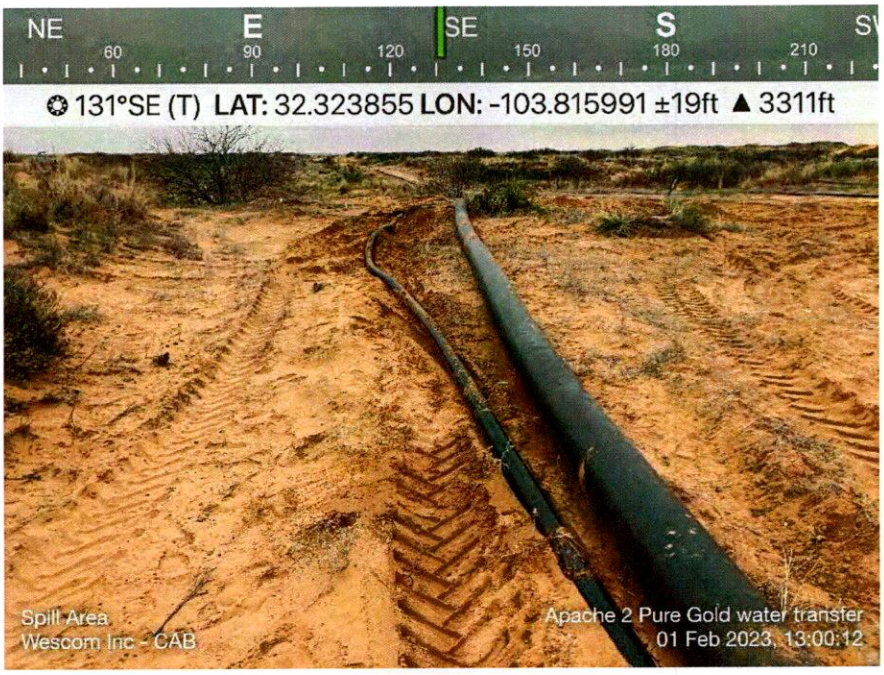
email: Shawna Martinez Telephone: 505-327-4892

OCD Only

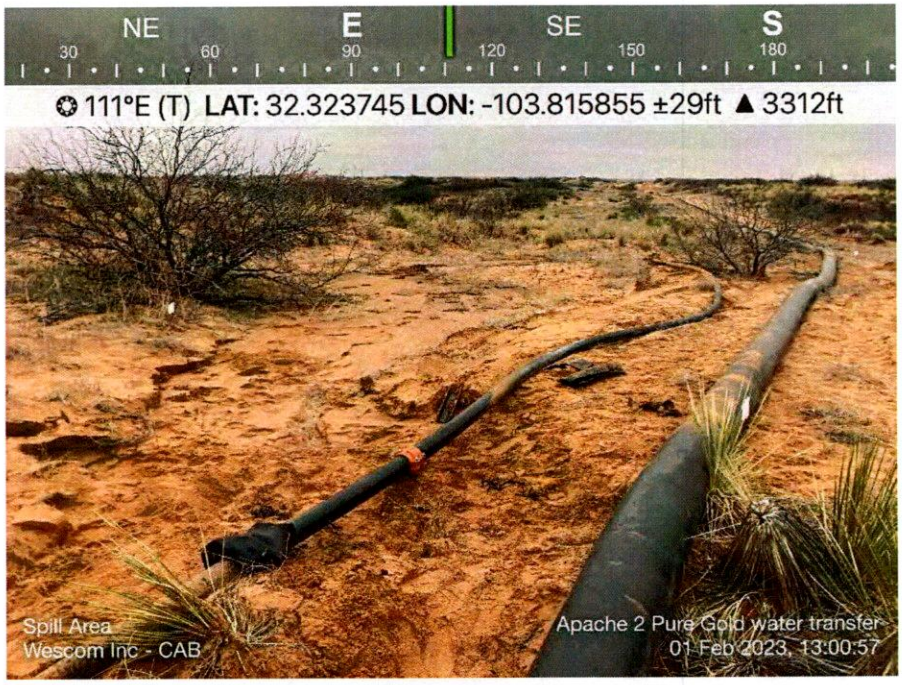
Received by: _____ Date: _____

ATTACHMENT B

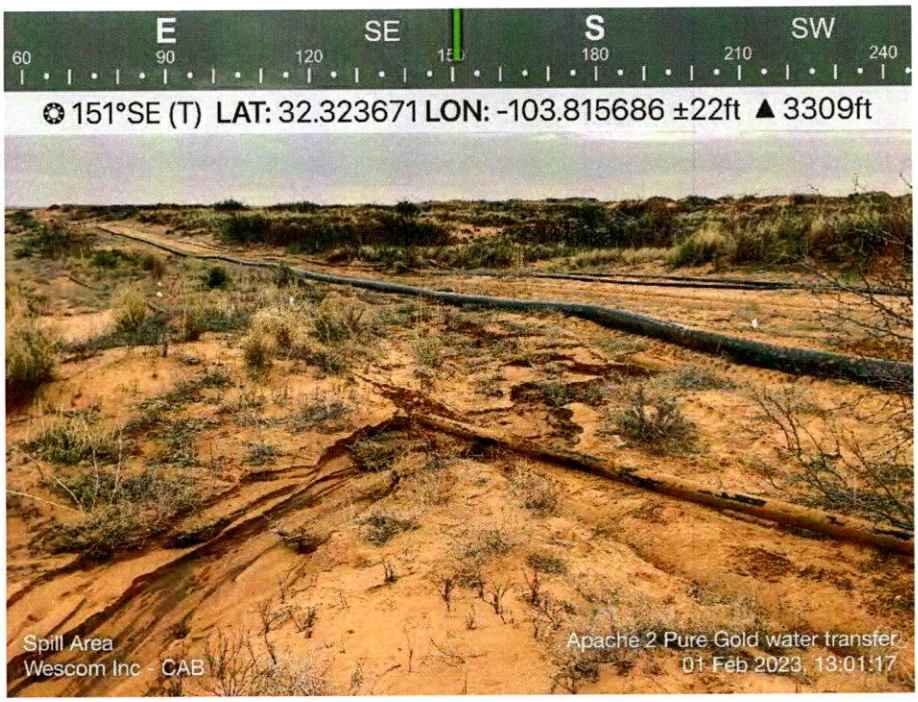
Site Photos



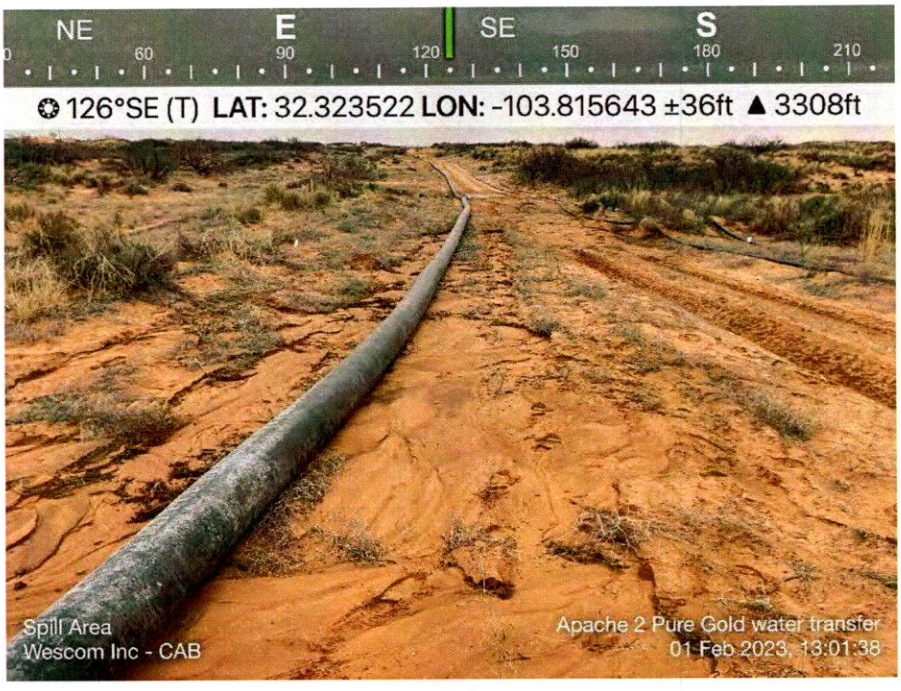
Spill Area – West End



Spill Area West End

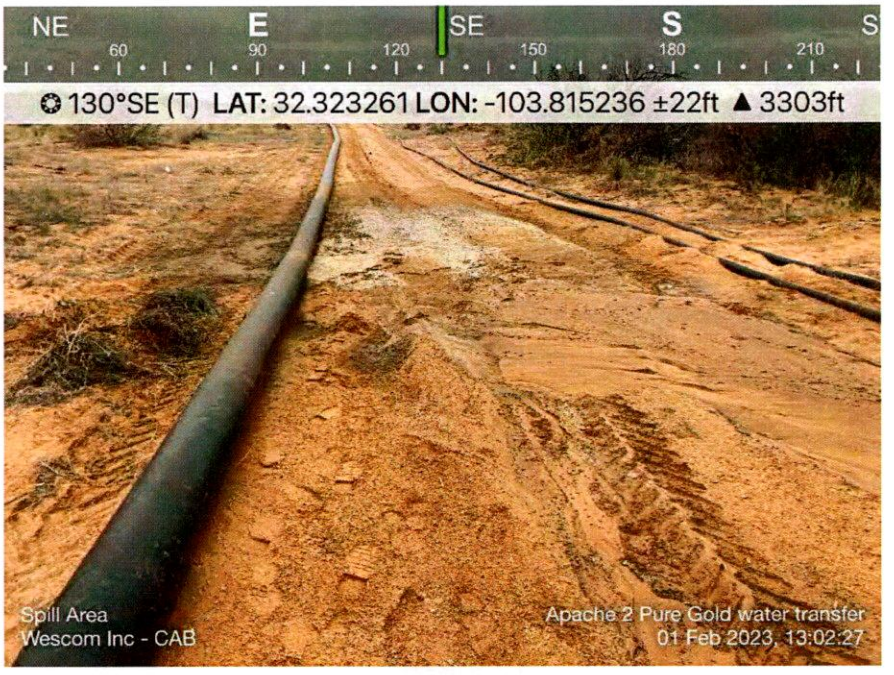


Spill Area – Center of Spill

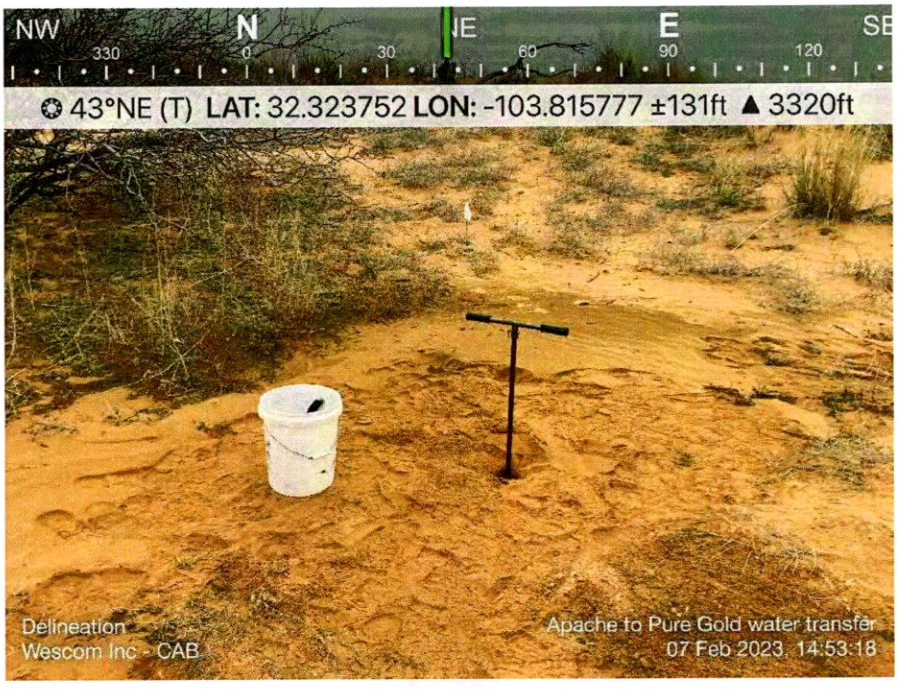


Spill Area – Center of Spill

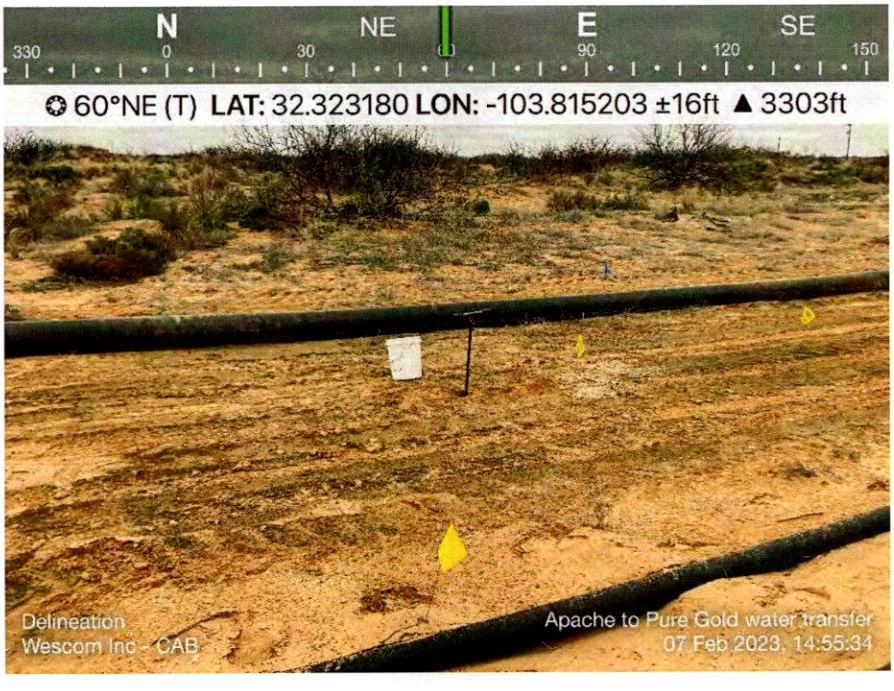
Spill Area – East End



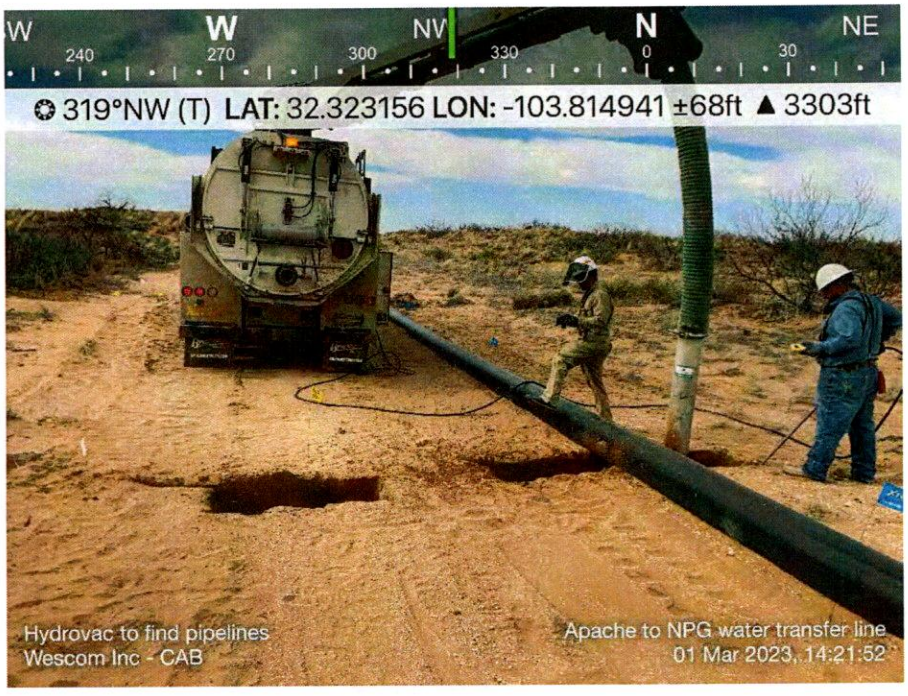
Scrape Area – East End



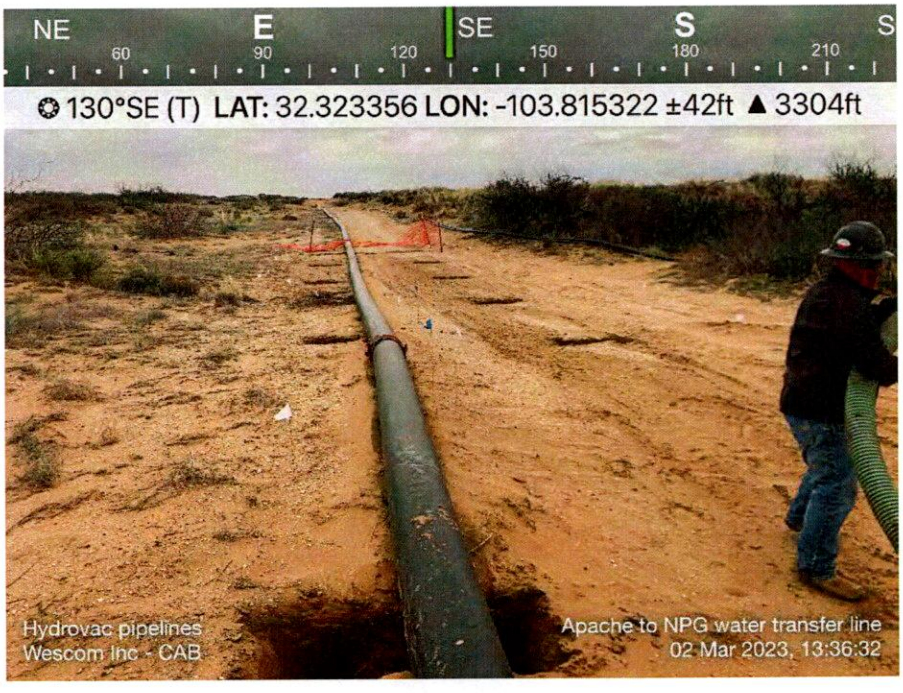
Delineation – West End



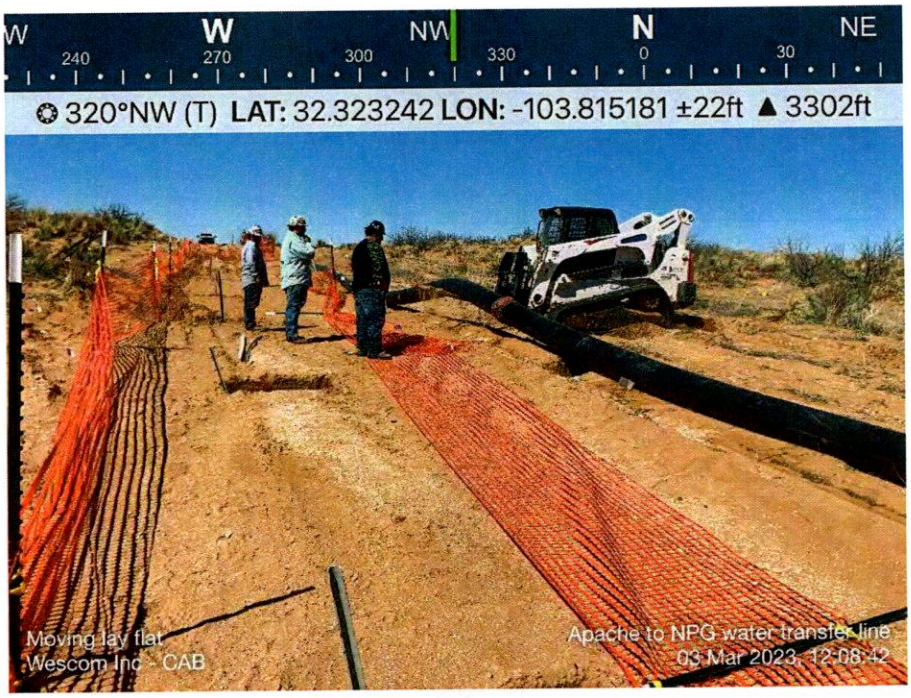
Delineation - East End



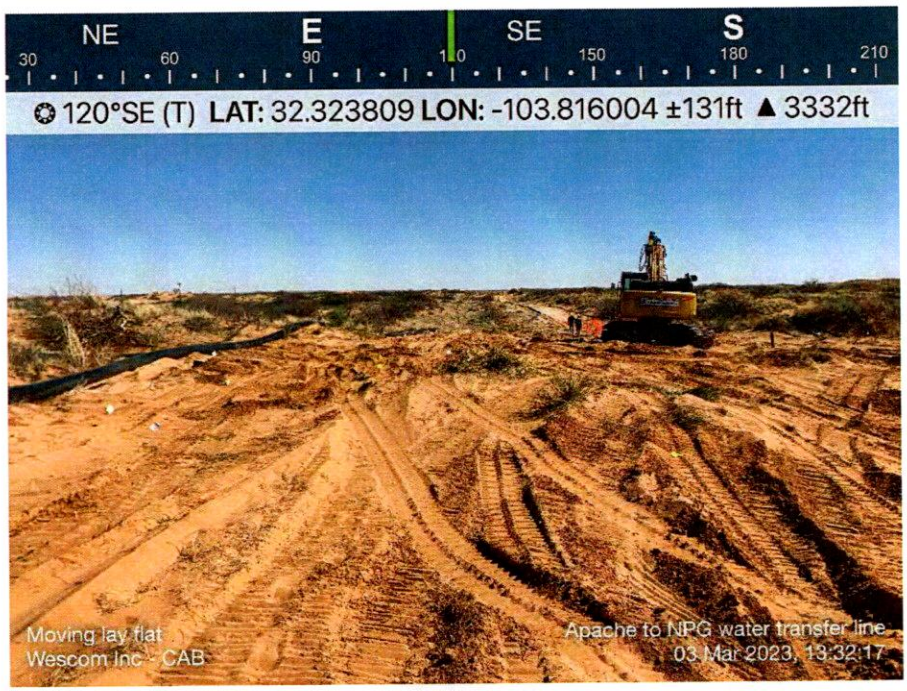
Hydrovac Pipelines – East End



Hydrovac Pipelines – East End

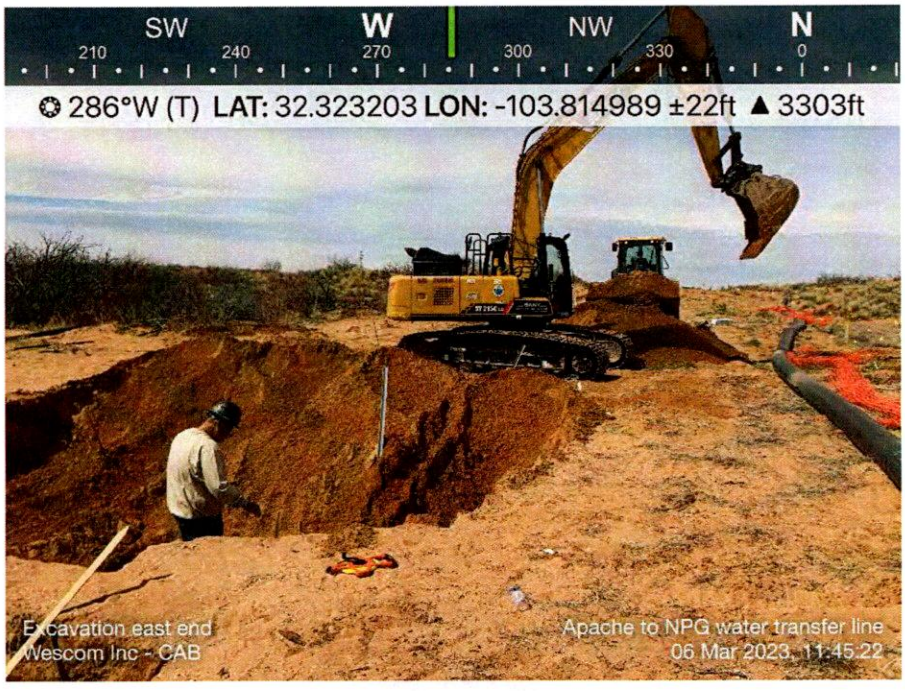


Moving Lay Flat Line Out of Excavation Area

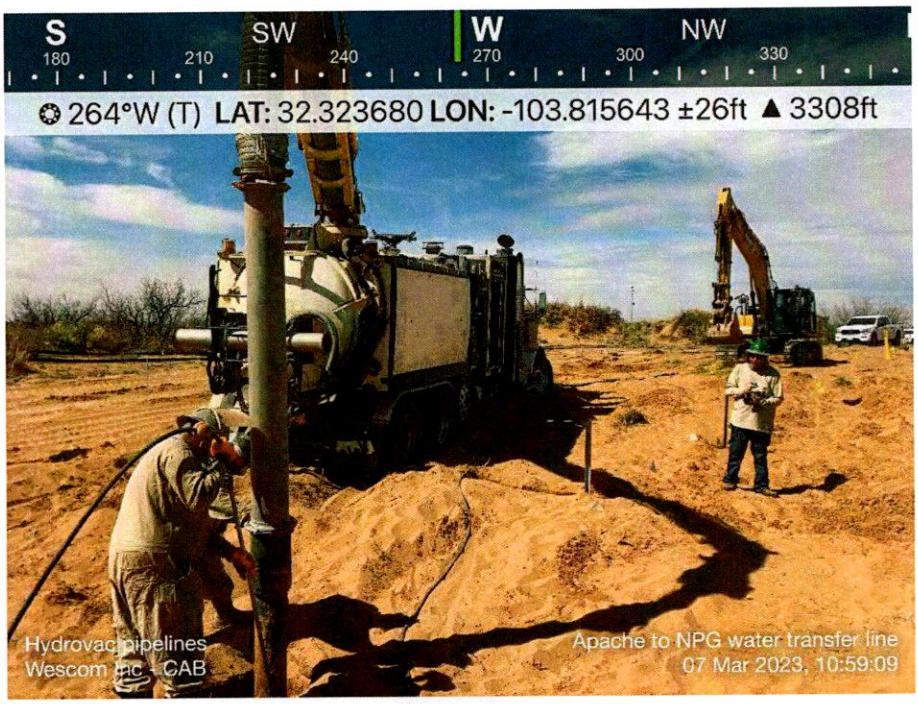


Moving Lay Flat Line Out of Excavation Area

Hydrovac Pipelines – Middle Area



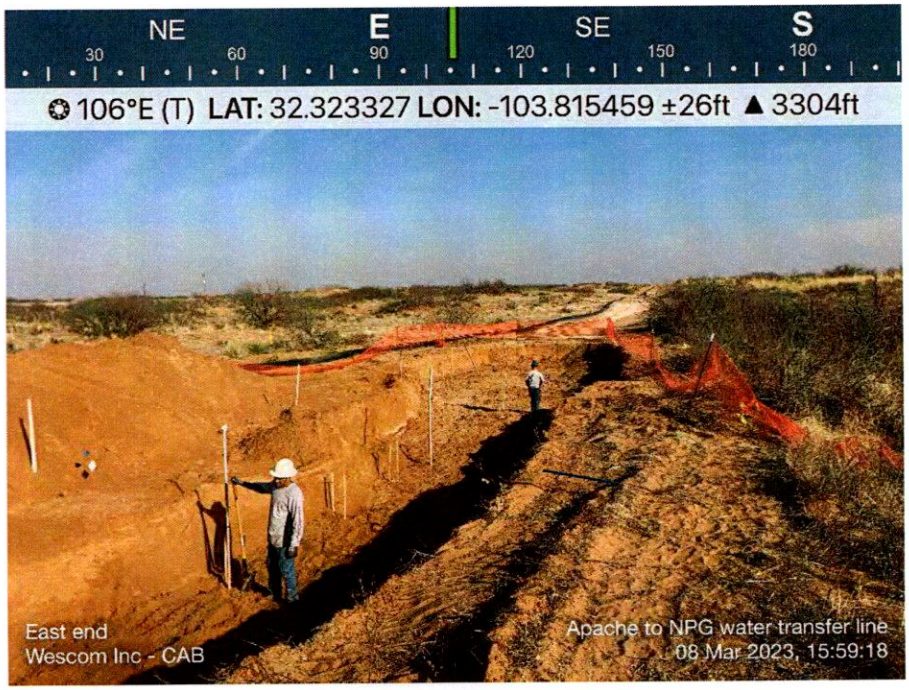
Excavated Area - East End



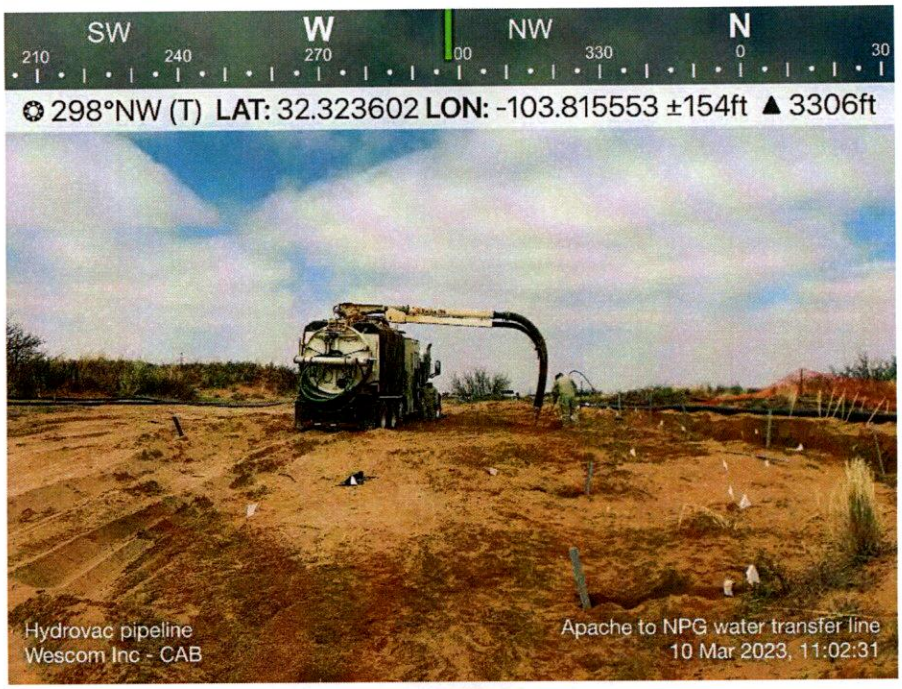
Hydrovac Pipelines – Middle Area

Excavated Area - West End

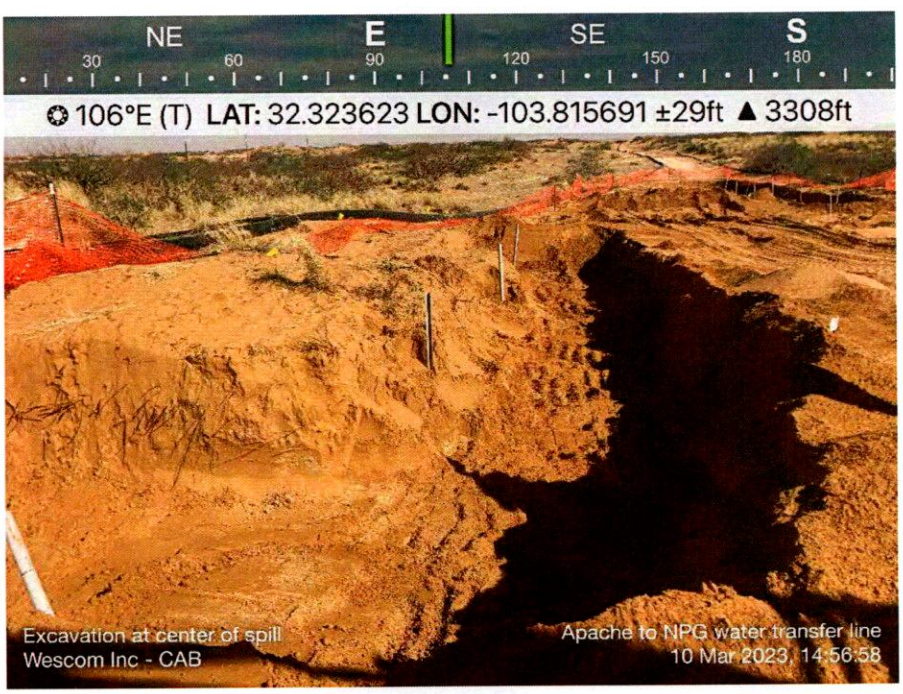
Excavated Area - East End



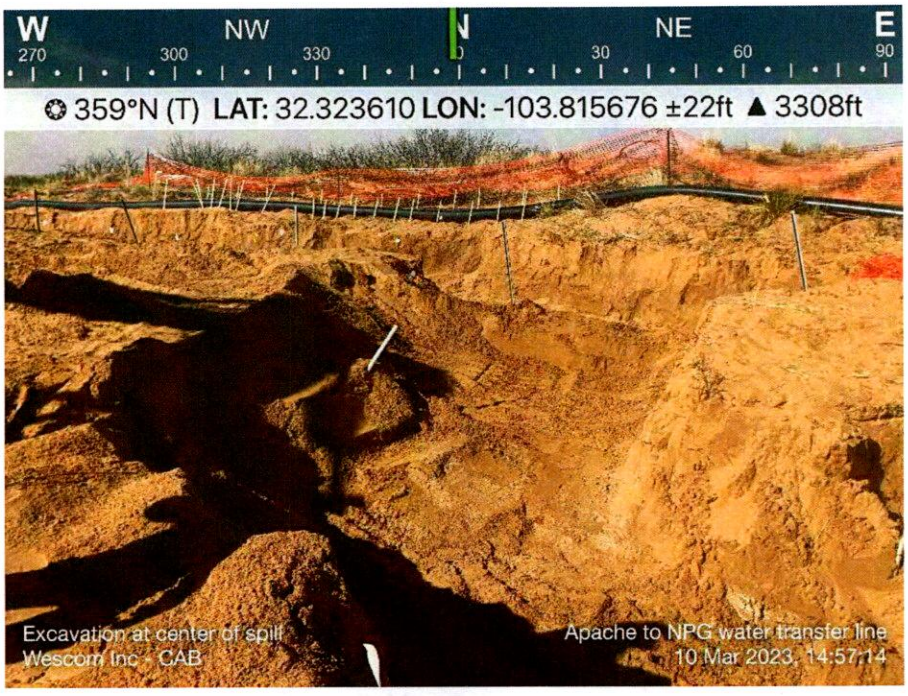
Excavated Area - East End



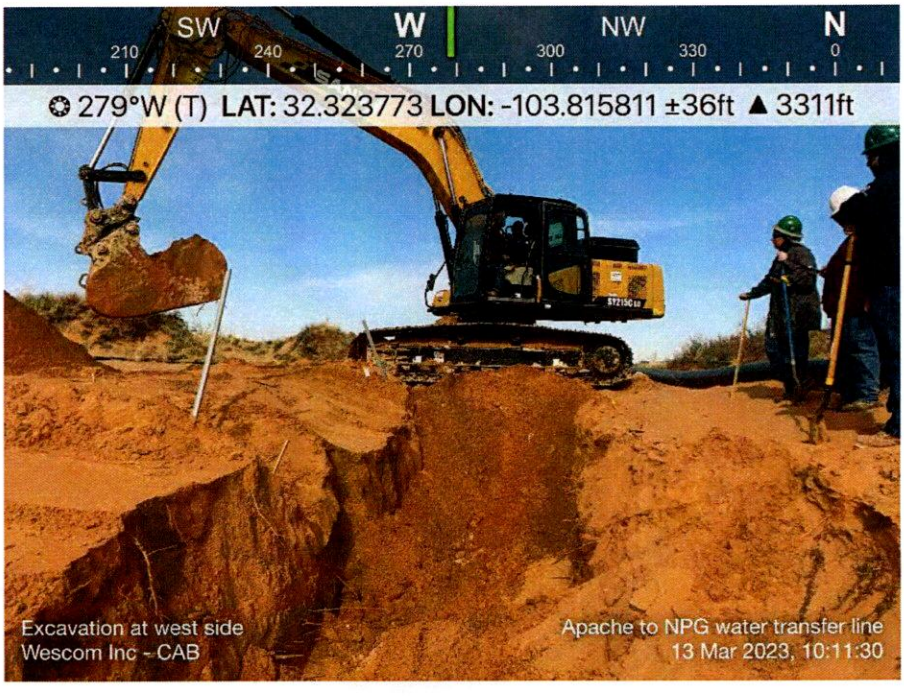
Hydrovac Pipelines – West End



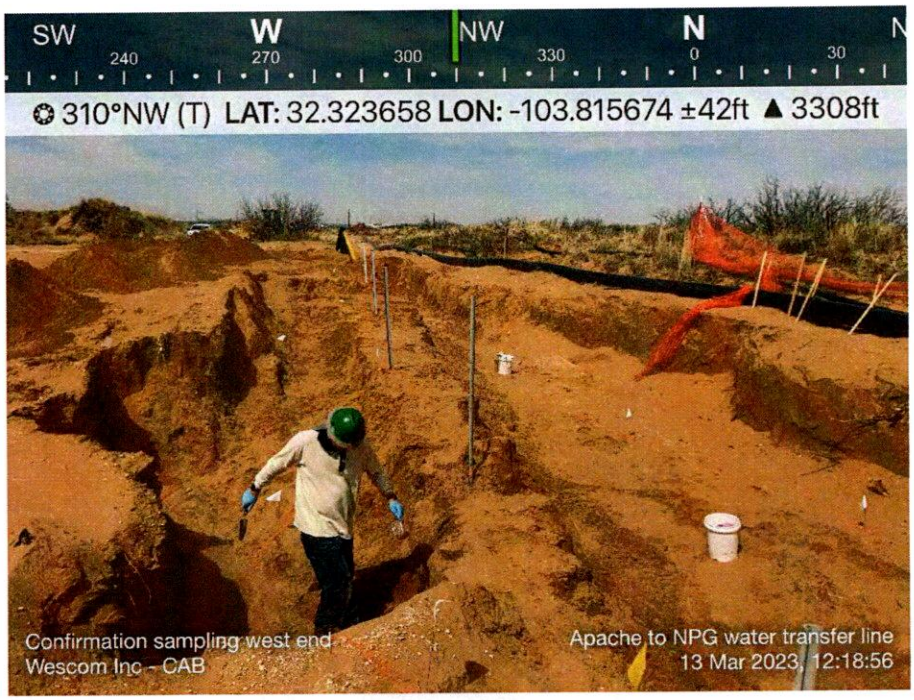
Excavated Area – Middle of Spill



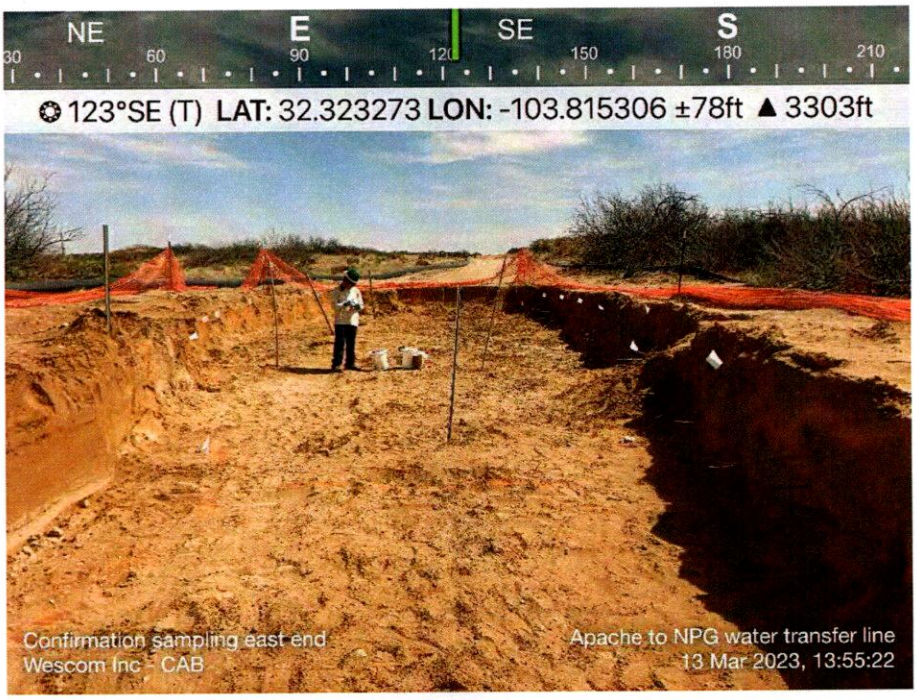
Excavated Area – Middle of Spill



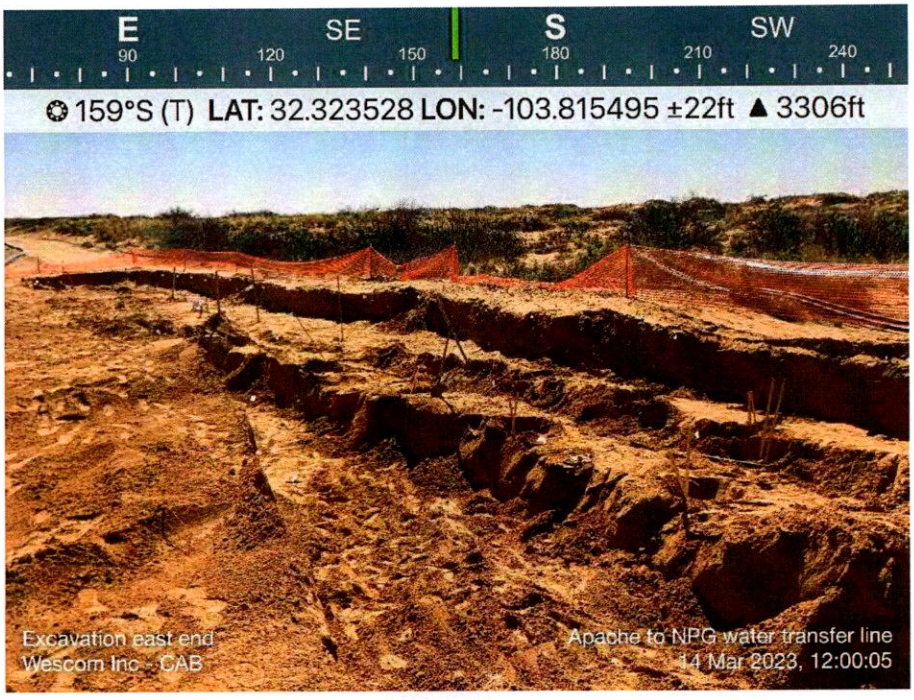
Excavated Area – West End



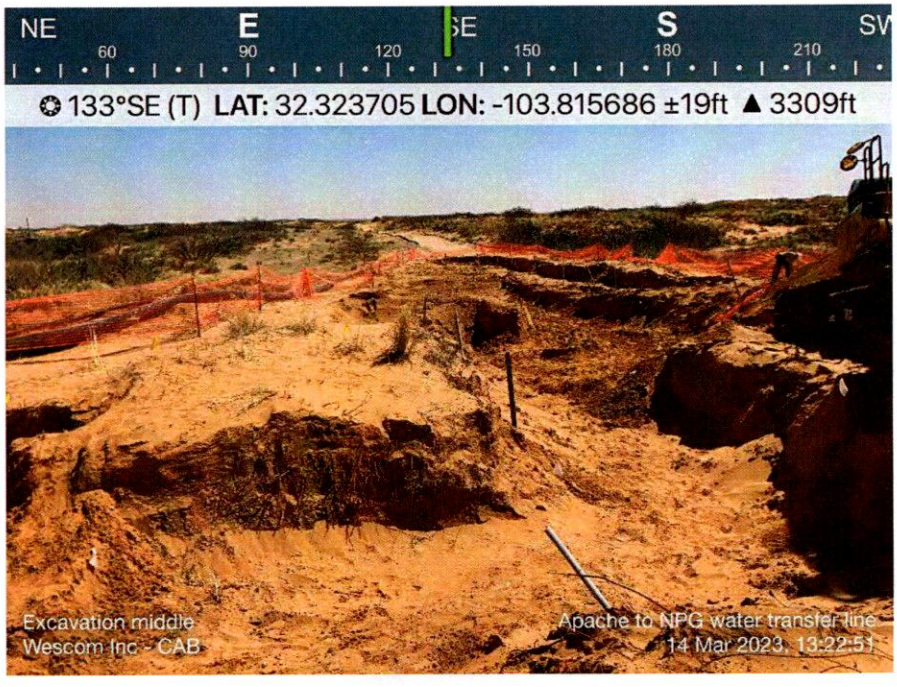
Confirmation Sampling – West End



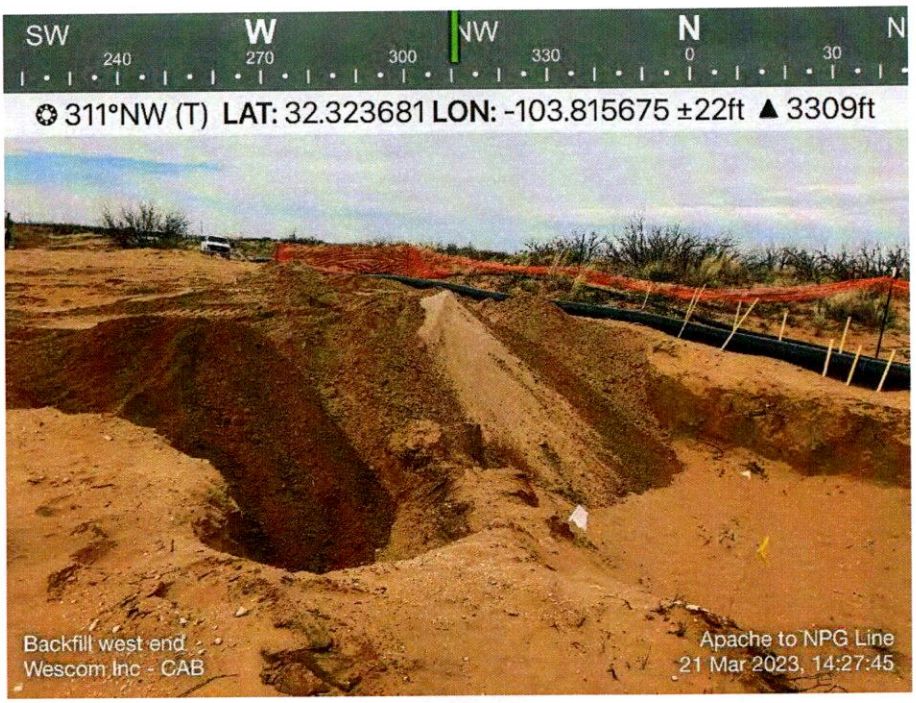
Confirmation Sampling - East End



Excavated Area – East End



Excavated Area – Middle of Spill



Backfilled Excavation

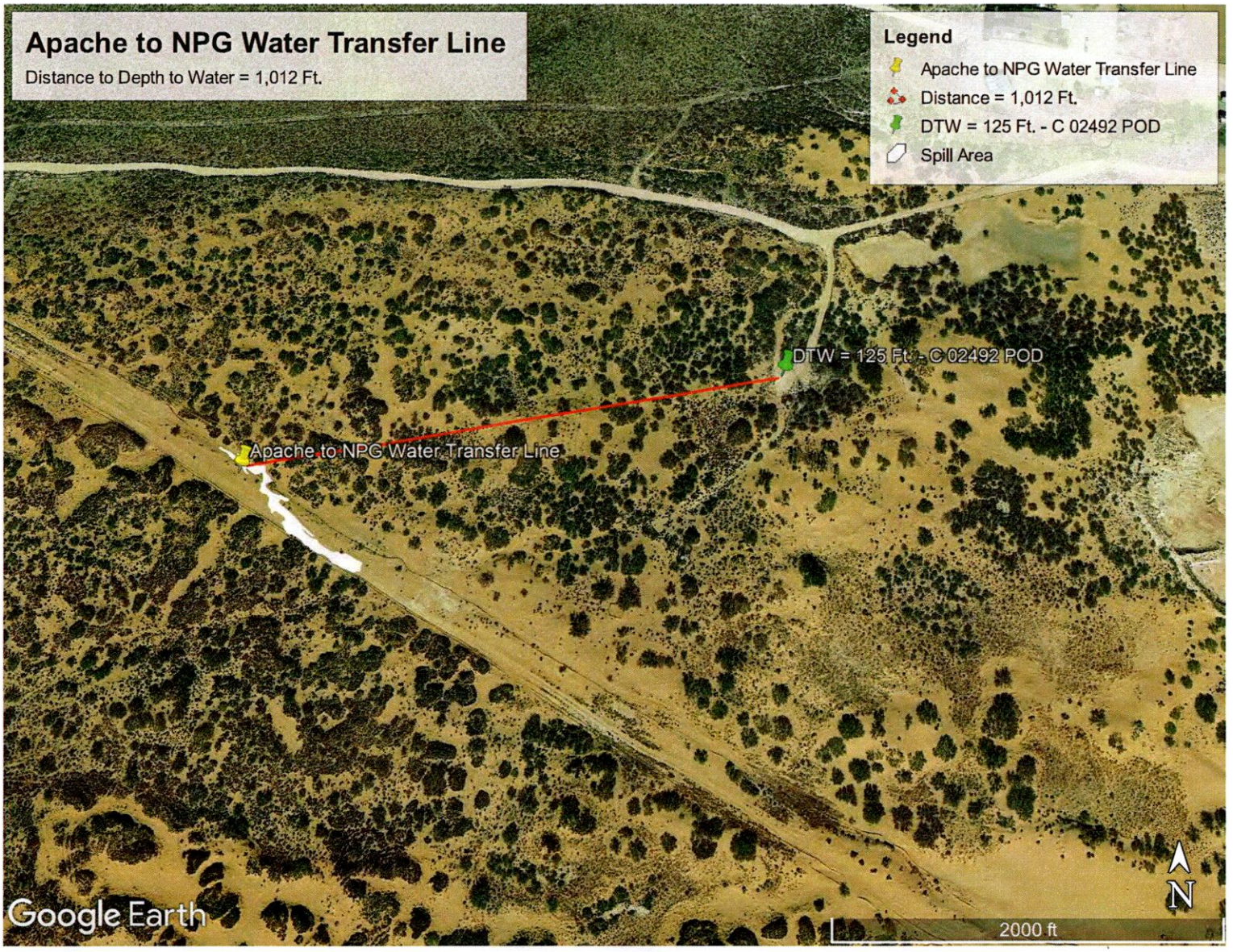
Backfilled Excavation

03/28/2023 – Final Backfilled Excavation

03/28/2023 – Final Backfilled Excavation

ATTACHMENT C

Closure Criteria Supporting Documents


Apache to NPG Water Transfer Line
Distance to Depth to Water = 1,012 Ft.
Legend
Apache to NPG Water Transfer Line
Distance = 1,012 Ft.
DTW = 125 Ft. - C 02492 POD
Spill Area
DTW = 125 Ft. - C 02492 POD
Apache to NPG Water Transfer Line
Google Earth
2000 ft
N

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 02492 POD2	3	2	2	07	23S	31E	611767	3576996

Driller License: 1509 **Driller Company:** BMS DRILLING COMPANY

Driller Name: ROYBAL, JOE D. (LD)

Drill Start Date: 05/14/2012 **Drill Finish Date:** 05/31/2012 **Plug Date:**

Log File Date: 08/27/2013 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 30 GPM

Casing Size: 6.00 **Depth Well:** 400 feet **Depth Water:** 125 feet

Meter Number: 16563 **Meter Make:** MASTERMETER

Meter Serial Number: 53527168 **Meter Multiplier:** 1.0000

Number of Dials: 9 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Monthly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
01/01/2015	2015	39508400	A	RPT		0	
04/01/2015	2015	47638000	A	RPT		24.949	
04/30/2015	2015	51651000	A	RPT		12.315	
05/31/2015	2015	56066600	A	RPT		13.551	
07/01/2015	2015	58740300	A	RPT		8.205	
08/01/2015	2015	62357200	A	RPT		11.100	
08/31/2015	2015	66100700	A	RPT		11.488	
10/01/2015	2015	69225500	A	RPT		9.590	
12/01/2015	2015	76310300	A	RPT		21.742	
01/01/2016	2016	76310300	A	RPT		0	
02/01/2016	2016	76310300	A	RPT		0	
03/02/2016	2016	78841100	A	RPT		7.767	
04/01/2016	2016	80952800	A	RPT		6.481	
05/01/2016	2016	82055300	A	RPT		3.383	
06/01/2016	2016	85605600	A	RPT		10.895	
07/01/2016	2016	88115890	A	RPT		7.704	
07/02/2016	2016	22996000	A	RPT		0	
08/01/2016	2016	23851600	A	RPT		2.626	
10/01/2016	2016	29486000	A	RPT		17.291	

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
11/01/2016	2016	29738900	A	RPT		0.776	
12/01/2016	2016	29738900	A	RPT		0	
12/31/2016	2016	29738900	A	RPT		0	

**YTD Meter Amounts:	Year	Amount
	2015	112.940
	2016	56.923

U.S. Fish and Wildlife Service
National Wetlands Inventory

Apache to NPG Water Transfer Line - Fresh Water Pond 2.06 Miles

February 8, 2023

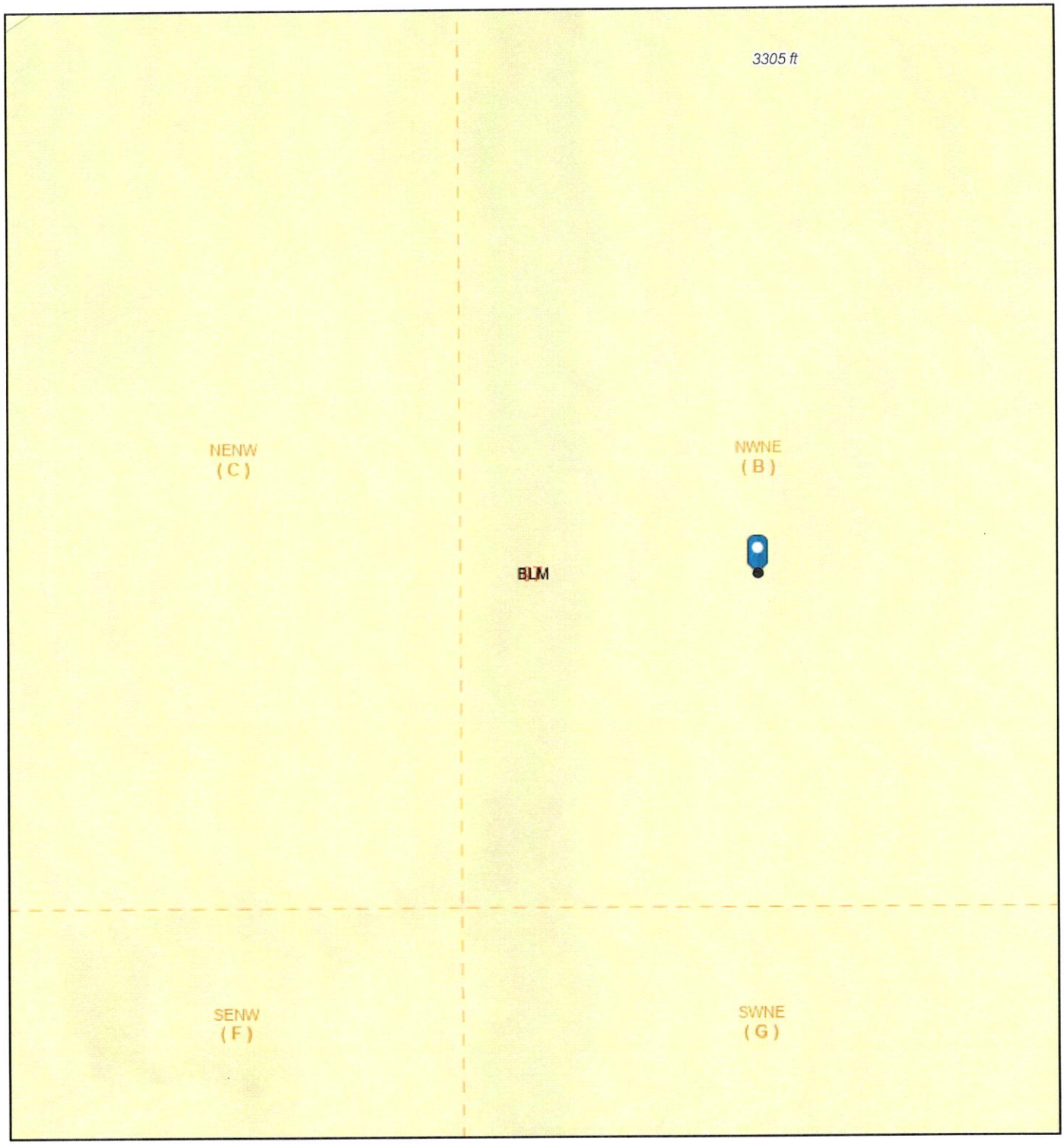
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

Active Mines Near Apache to NPG Water Transfer Line



2/8/2023, 8:56:23 AM

1:2,257

0 0.01 0.03 0.06 mi

0 0.03 0.05 0.1 km

Land Ownership

BLM

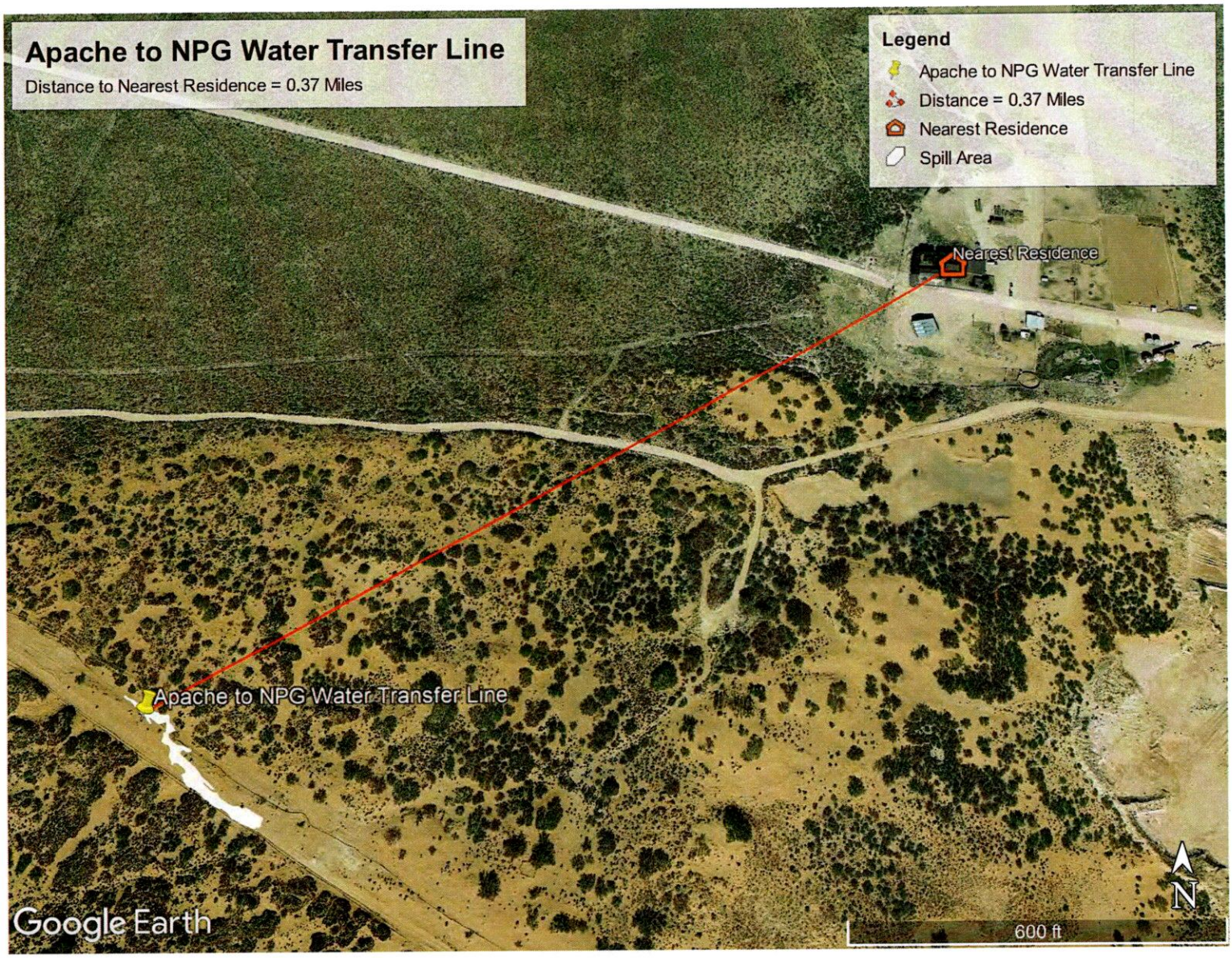
PLSS Second Division

PLSS First Division

U.S. BLM, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Sources: Esri, Airbus DS, USGS, NGA, NASA,

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
Distance to Nearest Residence = 0.37 Miles
Legend
Apache to NPG Water Transfer Line
Distance = 0.37 Miles
Nearest Residence
Spill Area
Nearest Residence
Apache to NPG Water Transfer Line
Google Earth
600 ft
N

U.S. Fish and Wildlife Service

National Wetlands Inventory

Apache to NPG Water Transfer Line - Riverine 0.76 Miles

February 8, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Apache to NPG Water Transfer Line - Wetland 0.59 Miles

February 8, 2023

Wetlands

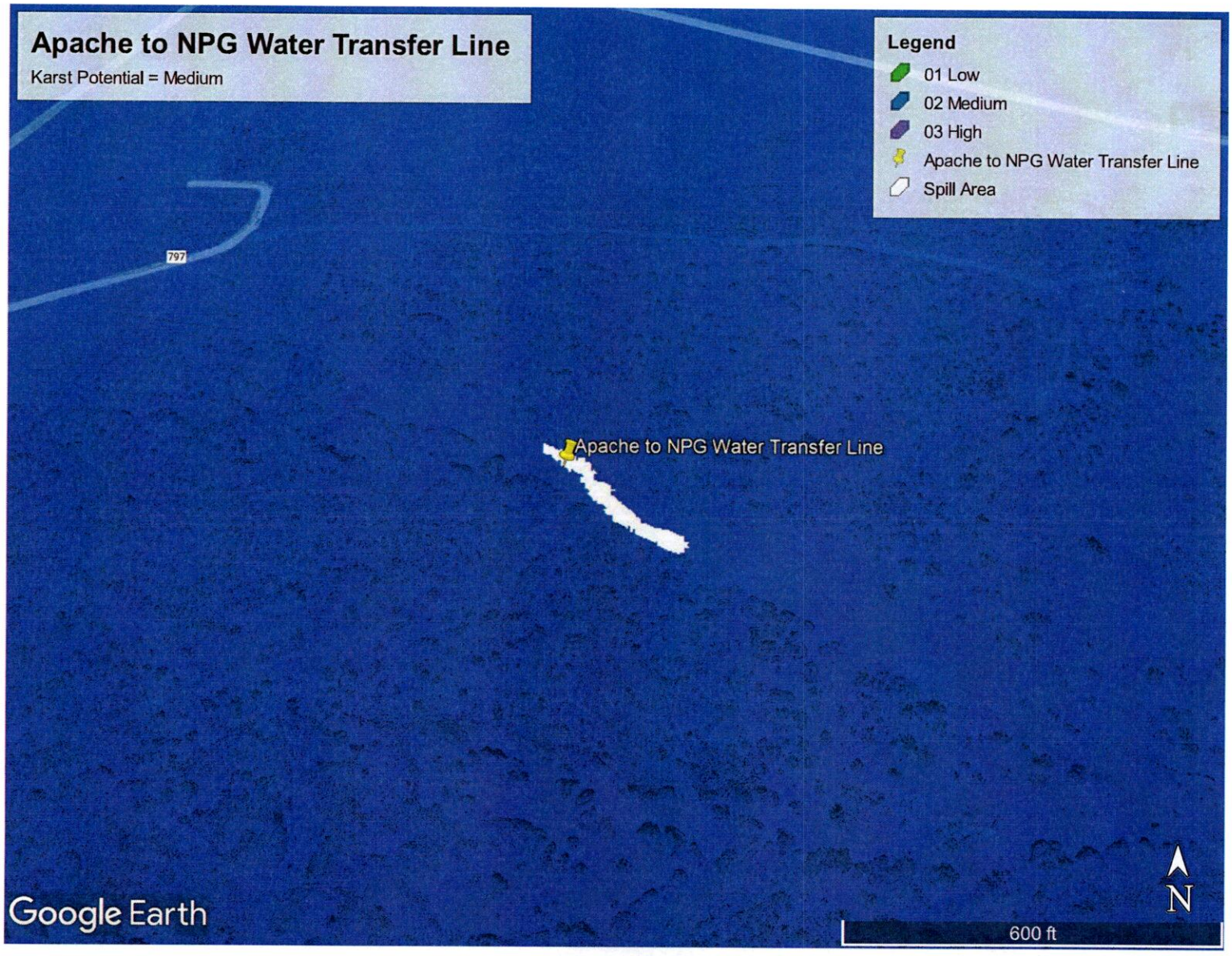
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

ATTACHMENT D

Karst Map

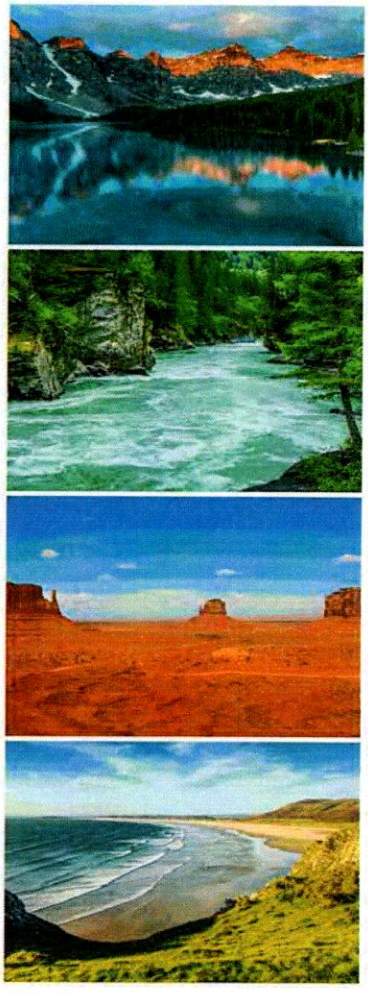

Apache to NPG Water Transfer Line
Karst Potential = Medium
Legend
01 Low
02 Medium
03 High
Apache to NPG Water Transfer Line
Spill Area
797
Apache to NPG Water Transfer Line
Google Earth
N
600 ft

ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports

Report to:

Ashley Giovengo



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

Date Reported: 2/14/23

Ashley Giovengo
200 E 2nd St
Roswell, NM 88201

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

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

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

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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Sample Summary

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	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.
SS04-0'	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.

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

SS01-0'

E302052-01

Analyte	Result	Reporting 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	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	
p,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	Analyst: SL			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	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		*96.1 %*	*50-200*	*02/09/23*	*02/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2306073
Chloride	ND	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

SS02-0'

E302052-02

Analyte	Result	Reporting 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	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	
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		*102 %*	*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*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	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/23	02/10/23	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*02/09/23*	*02/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: 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

SS03-0'

E302052-03

Analyte	Result	Reporting 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	02/09/23	
Ethylbenzene	ND	0.0250	1	02/09/23	02/09/23	
Toluene	ND	0.0250	1	02/09/23	02/09/23	
o-Xylene	ND	0.0250	1	02/09/23	02/09/23	
p,m-Xylene	ND	0.0500	1	02/09/23	02/09/23	
Total Xylenes	ND	0.0250	1	02/09/23	02/09/23	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*02/09/23*	*02/09/23*	
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	02/09/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*02/09/23*	*02/09/23*	
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		*100 %*	*50-200*	*02/09/23*	*02/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2306073
Chloride	ND	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

SS04-0'

E302052-04

Analyte	Result	Reporting 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	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	
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 %*	*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*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	
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*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2306073
Chloride	ND	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

SS05-0'

E302052-05

Analyte	Result	Reporting 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	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	
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 %*	*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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*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	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/23	02/10/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/09/23*	*02/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: 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

SS06-0'

E302052-06

Analyte	Result	Reporting 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	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	
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		*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	
Surrogate: 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	
Oil Range Organics (C28-C36)	ND	50.0	1	02/09/23	02/10/23	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*02/09/23*	*02/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: 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

SS08-4'

E302052-07

Analyte	Result	Reporting 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	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	
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		*105 %*	*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	
Surrogate: 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	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		*101 %*	*50-200*	*02/09/23*	*02/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2306073
Chloride	**95.4**	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

BG01-1'

E302052-09

Analyte	Result	Reporting 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	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	
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		*102 %*	*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	
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	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		*105 %*	*50-200*	*02/09/23*	*02/10/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2306073
Chloride	ND	20.0	1	02/09/23	02/11/23	

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QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	2/14/2023 1:35:21PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2306065-BLK1)									Prepared: 02/09/23 Analyzed: 02/09/23
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							
Surrogate: 4-Bromochlorobenzene-PID	*8.76*		*8.00*		*109*	*70-130*			
LCS (2306065-BS1)									Prepared: 02/09/23 Analyzed: 02/09/23
Benzene	6.07	0.0250	5.00		121	70-130			
Ethylbenzene	6.01	0.0250	5.00		120	70-130			
Toluene	6.17	0.0250	5.00		123	70-130			
o-Xylene	6.18	0.0250	5.00		124	70-130			
p,m-Xylene	12.2	0.0500	10.0		122	70-130			
Total Xylenes	18.4	0.0250	15.0		122	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.81*		*8.00*		*110*	*70-130*			
Matrix Spike (2306065-MS1)				**Source: E302052-03**					Prepared: 02/09/23 Analyzed: 02/09/23
Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.25	0.0250	5.00	ND	105	61-133			
Toluene	5.40	0.0250	5.00	ND	108	61-130			
o-Xylene	5.40	0.0250	5.00	ND	108	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.73*		*8.00*		*109*	*70-130*			
Matrix Spike Dup (2306065-MSD1)				**Source: E302052-03**					Prepared: 02/09/23 Analyzed: 02/09/23
Benzene	5.16	0.0250	5.00	ND	103	54-133	2.90	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61-133	2.91	20	
Toluene	5.25	0.0250	5.00	ND	105	61-130	2.93	20	
o-Xylene	5.24	0.0250	5.00	ND	105	63-131	2.99	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	2.89	20	
Total 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*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	2/14/2023 1:35:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2306065-BLK1)									Prepared: 02/09/23 Analyzed: 02/09/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			
LCS (2306065-BS2)									Prepared: 02/09/23 Analyzed: 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: E302052-03**					Prepared: 02/09/23 Analyzed: 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: E302052-03**					Prepared: 02/09/23 Analyzed: 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*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	2/14/2023 1:35:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2306067-BLK1)									Prepared: 02/09/23 Analyzed: 02/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
LCS (2306067-BS1)									Prepared: 02/09/23 Analyzed: 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: E302052-09**					Prepared: 02/09/23 Analyzed: 02/10/23
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2306067-MSD1)				**Source: E302052-09**					Prepared: 02/09/23 Analyzed: 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*			

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QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	2/14/2023 1:35:21PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2306073-BLK1)									Prepared: 02/09/23 Analyzed: 02/11/23
Chloride	ND	20.0							
LCS (2306073-BS1)									Prepared: 02/09/23 Analyzed: 02/11/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2306073-MS1)				Source: E302048-01					Prepared: 02/09/23 Analyzed: 02/11/23
Chloride	1750	20.0	250	1380	149	80-120			M4
Matrix Spike Dup (2306073-MSD1)				Source: E302048-01					Prepared: 02/09/23 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.

PO: 43915

Project Information

Chain of Custody

Page 1 of 1

Client: Harvard Petroleum	Bill To	Lab Use Only	
Project: Apache to NPG Water Transfer Line	Attention: Wescom Inc	Lab WO#: E302052	Job Number: 21022-0001
Project Manager: Ashley Giovengo	Address: 1224 Standpipe Rd		
Address: 1224 Standpipe Rd	City, State, Zip: Carlsbad, NM 88220		
City, State, Zip: Carlsbad, NM 88220	Phone: 505-382-1211		
Phone: 505-382-1211	Email: ashley.giovengo@wescominc.com		
Email: ashley.giovengo@wescominc.com			
Report due by:			

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			x		
					RCRA

State				
NM	CO	UT	AZ	TX
x				

Analysis and Method

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 NM	BGDOC TX			Remarks
13:18	2/7/23	Soil	1 Jar	SS01 - 0'	1									x				
13:21	2/7/23	Soil	1 Jar	SS02 - 0'	2									x				
13:23	2/7/23	Soil	1 Jar	SS03 - 0'	3									x				
13:26	2/7/23	Soil	1 Jar	SS04 - 0'	4									x				
13:30	2/7/23	Soil	1 Jar	SS05 - 0'	5									x				
13:33	2/7/23	Soil	1 Jar	SS06 - 0'	6									x				
14:16	2/7/23	Soil	1 Jar	SS08 - 4'	7									x				
15:41	2/7/23	Soil	1 Jar	SS08 - 5'	8									x				Do not run this sample unless SS08 - 4' is > 600 Cl or 100 TPH
12:21	2/7/23	Soil	1 Jar	BG01 - 1'	9									x				

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	02.08.2023	12:15p	[signature]	2-8-23	12:15
[signature]	2-8-23	4:30	[signature]	2-8-23	1635
[signature]	2-8-23	1:15	[signature]	2/9/23	8:10

Lab Use Only

Received on ice: (Y)/ N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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.

envirotech

Envirotech Analytical Laboratory

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

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 requested.

Client:	Harvard Petroleum Co	Date Received:	02/09/23 08:10	Work Order ID:	E302052
Phone:	(505) 382-1211	Date Logged In:	02/08/23 16:40	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	02/15/23 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? 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	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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: 4°C	

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	Subcontract Lab: NA

Client Instruction

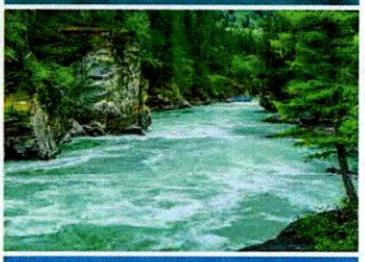
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



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:	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.

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

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

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

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

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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Sample Summary

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

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	3/13/2023 9:00:35AM

SS07 - 16'

E303026-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
o-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	Analyst: 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	Analyst: RAS			Batch: 2310033
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/23	03/09/23	
Oil 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	Analyst: BA			Batch: 2310031
Chloride	**10800**	400	20	03/09/23	03/09/23	

envirotech Inc.

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	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	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310030-BLK1)									Prepared: 03/08/23 Analyzed: 03/09/23
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							
Surrogate: 4-Bromochlorobenzene-PID	*8.24*		*8.00*		*103*	*70-130*			
LCS (2310030-BS1)									Prepared: 03/08/23 Analyzed: 03/09/23
Benzene	4.57	0.0250	5.00		91.4	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.75	0.0250	5.00		95.1	70-130			
o-Xylene	4.80	0.0250	5.00		96.1	70-130			
p,m-Xylene	9.44	0.0500	10.0		94.4	70-130			
Total Xylenes	14.2	0.0250	15.0		94.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*8.00*		*107*	*70-130*			
Matrix Spike (2310030-MS1)				**Source: E303022-01**					Prepared: 03/08/23 Analyzed: 03/09/23
Benzene	4.74	0.0250	5.00	ND	94.7	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133			
Toluene	4.92	0.0250	5.00	ND	98.5	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2310030-MSD1)				**Source: E303022-01**					Prepared: 03/08/23 Analyzed: 03/09/23
Benzene	4.81	0.0250	5.00	ND	96.2	54-133	1.48	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	61-133	1.46	20	
Toluene	5.00	0.0250	5.00	ND	100	61-130	1.57	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	1.47	20	
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	63-131	1.30	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.3	63-131	1.35	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/13/2023 9:00:35AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310030-BLK1)									Prepared: 03/08/23 Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.08*		*8.00*		*88.5*	*70-130*			
LCS (2310030-BS2)									Prepared: 03/08/23 Analyzed: 03/09/23
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.10*		*8.00*		*88.7*	*70-130*			
Matrix Spike (2310030-MS2)				**Source: E303022-01**					Prepared: 03/08/23 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-FID	*7.25*		*8.00*		*90.6*	*70-130*			
Matrix Spike Dup (2310030-MSD2)				**Source: E303022-01**					Prepared: 03/08/23 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-FID	*7.43*		*8.00*		*92.9*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/13/2023 9:00:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2310033-BLK1)									Prepared: 03/09/23 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: 03/09/23 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: 03/09/23 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: 03/09/23 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*			

envirotech Inc.

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/13/2023 9:00:35AM

Anions by EPA 300.0/9056A

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: 03/09/23 Analyzed: 03/09/23
Chloride	ND	20.0							
LCS (2310031-BS1)									Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2310031-MS1)				**Source: E303025-01**					Prepared: 03/09/23 Analyzed: 03/09/23
Chloride	865	20.0	250	624	96.5	80-120			
Matrix Spike Dup (2310031-MSD1)				**Source: E303025-01**					Prepared: 03/09/23 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.

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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.

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Project Information | Chain of Custody | Page 1 of 1

Client: Harvard Petroleum	Bill To	Lab Use Only		TAT	EPA Program
Project: Apache to NPG Water Transfer Line	Attention: Wescom Inc	Lab WO# E303026	Job Number 21022-0001	1D / 2D / 3D / Standard: x	CWA / SDWA
Project Manager: Ashley Giovengo	Address: 1224 Standpipe Rd				RCRA
Address: 1224 Standpipe Rd	City, State, Zip: Carlsbad, NM 88220	Analysis and Method			State: NM x / CO / UT / AZ / TX
City, State, Zip: Carlsbad, NM 88220	Phone: 505-382-1211				
Phone: 505-382-1211	Email: ashley.giovengo@wescominc.com				
Email: ashley.giovengo@wescominc.com					
Report due by:					

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 NM	BGDOC TX			Remarks
14:30	~~2/3/23~~ 3/7/23	Soil	1 Jar	SS07 - 16'	1									X				

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	03.08.2023	10:20am	Michelle Gonzales	3-8-23	1020
Michelle Gonzales	3-8-23	1600	Lorenzo Ru	3-8-23	1800
Lorenzo Ru	3-8-23	2345	Caitlin Christ	3/9/23	8:15

Lab Use Only: Received on ice: (Y) N — T1 ____ T2 ____ T3 ____ — AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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

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

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 requested.

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 08:46	Logged In By:	Caitlin Christian
Email:	jharvard@hpenm.com	Due Date:	03/14/23 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? 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	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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: 4°C		

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	Subcontract Lab: NA

Client Instruction

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

Date

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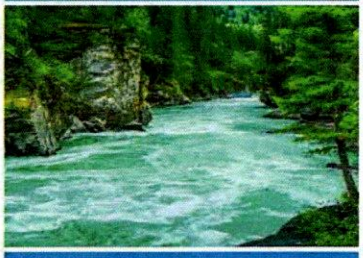
Report to:

Ashley Giovengo



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

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

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

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

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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Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 4'	E303047-01A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF02 - 4'	E303047-02A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF03 - 4'	E303047-03A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF04 - 4'	E303047-04A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF05 - 4'	E303047-05A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF06 - 4'	E303047-06A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF07 - 4'	E303047-07A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF08 - 4'	E303047-08A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF09 - 4'	E303047-09A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF10 - 4'	E303047-10A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF11 - 4'	E303047-11A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF12 - 4'	E303047-12A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF13 - 4'	E303047-13A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF14 - 4'	E303047-14A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF15 - 4'	E303047-15A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF16 - 4'	E303047-16A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF17 - 4'	E303047-17A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF18 - 4'	E303047-18A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.
CONF19 - 4'	E303047-19A	Soil	03/13/23	03/15/23	Glass Jar, 2 oz.

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

CONF01 - 4'

E303047-01

Analyte	Result	Reporting 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	1	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*	
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 - 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		*83.5 %*	*50-200*	*03/15/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**319**	20.0	1	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF02 - 4'

E303047-02

Analyte	Result	Reporting 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	1	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		*96.3 %*	*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		*103 %*	*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		*96.3 %*	*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		*103 %*	*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	03/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/16/23	
Surrogate: n-Nonane		*79.3 %*	*50-200*	*03/15/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	509	20.0	1	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF03 - 4'

E303047-03

Analyte	Result	Reporting 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	1	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		*97.3 %*	*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		*103 %*	*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		*97.3 %*	*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		*103 %*	*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	03/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/16/23	
Surrogate: n-Nonane		*80.1 %*	*50-200*	*03/15/23*	*03/16/23*	
Anions 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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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

CONF04 - 4'

E303047-04

Analyte	Result	Reporting 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	1	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		*95.0 %*	*70-130*	*03/15/23*	*03/15/23*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/15/23*	*03/15/23*	
Surrogate: 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	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*	
Surrogate: Toluene-d8		*102 %*	*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	03/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/16/23	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*03/15/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**11200**	400	20	03/15/23	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	3/20/2023 5:14:54PM

CONF05 - 4'

E303047-05

Analyte	Result	Reporting 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	1	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		*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 %*	*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		*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 %*	*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)	**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 %*	*50-200*	*03/15/23*	*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

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

CONF06 - 4'

E303047-06

Analyte	Result	Reporting 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	03/16/23	
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		*96.3 %*	*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		*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		*96.3 %*	*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		*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/16/23	
Surrogate: n-Nonane		*83.6 %*	*50-200*	*03/15/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	4660	100	5	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF07 - 4'

E303047-07

Analyte	Result	Reporting 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	03/16/23	
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: 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		*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	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

CONF08 - 4'

E303047-08

Analyte	Result	Reporting 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	03/16/23	
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		*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		*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		*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/16/23	
Surrogate: n-Nonane		*77.1 %*	*50-200*	*03/15/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**5410**	100	5	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF09 - 4'

E303047-09

Analyte	Result	Reporting 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	03/16/23	
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	
Oil 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	

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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	3/20/2023 5:14:54PM

CONF10 - 4'

E303047-10

Analyte	Result	Reporting 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	03/16/23	
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		*95.1 %*	*70-130*	*03/15/23*	*03/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*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		*95.1 %*	*70-130*	*03/15/23*	*03/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/17/23	
Surrogate: n-Nonane		*73.4 %*	*50-200*	*03/15/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**3720**	40.0	2	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

CONF11 - 4'

E303047-11

Analyte	Result	Reporting 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	03/16/23	
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		*95.4 %*	*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		*100 %*	*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		*95.4 %*	*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		*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	1	03/15/23	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	400	20	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF12 - 4'

E303047-12

Analyte	Result	Reporting 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	03/16/23	
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		*95.1 %*	*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		*95.1 %*	*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 - 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		*76.4 %*	*50-200*	*03/15/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**24200**	400	20	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF13 - 4'

E303047-13

Analyte	Result	Reporting 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	03/16/23	
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	
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 - 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		*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	

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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	3/20/2023 5:14:54PM

CONF14 - 4'

E303047-14

Analyte	Result	Reporting 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	03/16/23	
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		*94.9 %*	*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: 2311034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/23	03/16/23	
Surrogate: Bromofluorobenzene		*94.9 %*	*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: 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		*80.5 %*	*50-200*	*03/15/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**12200**	400	20	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF15 - 4'

E303047-15

Analyte	Result	Reporting 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	03/16/23	
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		*95.7 %*	*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		*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		*95.7 %*	*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		*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/17/23	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*03/15/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**5240**	200	10	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF16 - 4'

E303047-16

Analyte	Result	Reporting 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	03/16/23	
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		*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 %*	*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	
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	Analyst: BA			Batch: 2311029
Chloride	**3130**	40.0	2	03/15/23	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	3/20/2023 5:14:54PM

CONF17 - 4'

E303047-17

Analyte	Result	Reporting 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	03/16/23	
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		*96.3 %*	*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	
Oil 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	

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

CONF18 - 4'

E303047-18

Analyte	Result	Reporting 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	03/16/23	
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		*95.8 %*	*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		*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		*95.8 %*	*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		*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/17/23	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*03/15/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	**558**	20.0	1	03/15/23	03/16/23	

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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	3/20/2023 5:14:54PM

CONF19 - 4'

E303047-19

Analyte	Result	Reporting 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	03/16/23	
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		*95.5 %*	*70-130*	*03/15/23*	*03/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*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		*95.5 %*	*70-130*	*03/15/23*	*03/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/23	03/17/23	
Surrogate: n-Nonane		*73.5 %*	*50-200*	*03/15/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311029
Chloride	4420	40.0	2	03/15/23	03/16/23	

envirotech Inc.

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/20/2023 5:14:54PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311034-BLK1)									Prepared: 03/15/23 Analyzed: 03/15/23
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							
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS (2311034-BS1)									Prepared: 03/15/23 Analyzed: 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			
Toluene	2.45	0.0250	2.50		97.9	70-130			
o-Xylene	2.56	0.0250	2.50		102	70-130			
p,m-Xylene	5.07	0.0500	5.00		101	70-130			
Total 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: 03/15/23 Analyzed: 03/15/23
Benzene	2.24	0.0250	2.50	ND	89.8	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.4	45-135			
Toluene	2.29	0.0250	2.50	ND	91.6	48-130			
o-Xylene	2.41	0.0250	2.50	ND	96.4	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	95.1	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.544*		*0.500*		*109*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2311034-MSD1)				**Source: E303047-04**					Prepared: 03/15/23 Analyzed: 03/15/23
Benzene	2.25	0.0250	2.50	ND	89.8	48-131	0.0668	23	
Ethylbenzene	2.34	0.0250	2.50	ND	93.5	45-135	0.128	27	
Toluene	2.28	0.0250	2.50	ND	91.1	48-130	0.613	24	
o-Xylene	2.42	0.0250	2.50	ND	96.9	43-135	0.497	27	
p,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	
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/20/2023 5:14:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311034-BLK1)									Prepared: 03/15/23 Analyzed: 03/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.7*	*70-130*			
Surrogate: 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: 03/15/23 Analyzed: 03/15/23
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.511*		*0.500*		*102*	*70-130*			
Matrix Spike (2311034-MS2)				**Source: E303047-04**					Prepared: 03/15/23 Analyzed: 03/15/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2311034-MSD2)				**Source: E303047-04**					Prepared: 03/15/23 Analyzed: 03/15/23
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130	0.874	20	
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/20/2023 5:14:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311038-BLK1)									Prepared: 03/15/23 Analyzed: 03/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*37.4*		*50.0*		*74.8*	*50-200*			
LCS (2311038-BS1)									Prepared: 03/15/23 Analyzed: 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: 03/15/23 Analyzed: 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: E303047-13**					Prepared: 03/15/23 Analyzed: 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*			

envirotech Inc.

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/20/2023 5:14:54PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311029-BLK1)									Prepared: 03/15/23 Analyzed: 03/16/23
Chloride	ND	20.0							
LCS (2311029-BS1)									Prepared: 03/15/23 Analyzed: 03/16/23
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2311029-MS1)				**Source: E303047-01**					Prepared: 03/15/23 Analyzed: 03/17/23
Chloride	554	20.0	250	319	94.0	80-120			
Matrix Spike Dup (2311029-MSD1)				**Source: E303047-01**					Prepared: 03/15/23 Analyzed: 03/17/23
Chloride	674	20.0	250	319	142	80-120	19.6	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.

envirotech Inc.

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

Page 1 of 2

Client: Harvard Petroleum	Bill To	Lab Use Only	
Project: Apache to NPG Water Transfer Line	Attention: Wescom Inc	Lab WO#: E303047	Job Number: 21022-0001
Project Manager: Ashley Giovengo	Address: 1224 Standpipe Rd		
Address: 1224 Standpipe Rd	City, State, Zip: Carlsbad, NM 88220		
City, State, Zip: Carlsbad, NM 88220	Phone: 505-382-1211		
Phone: 505-382-1211	Email: ashley.giovengo@wescominc.com		
Email: ashley.giovengo@wescominc.com			
Report due by:			

TAT: 1D | 2D | 3D | Standard: x

EPA Program: CWA | SDWA | RCRA

State: NM x | CO | UT | AZ | TX

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 NM	BGDOC TX			Remarks
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				

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11:46 a	03.14.2023	Micelle [signature]	3-14-23	1146
Micelle [signature]	3-14-23	1700	[signature]	3-14-23	1759
[signature]	3-14-23	2430	Kaylee R Hall	3-15-23	0700

Lab Use Only: Received on ice: Y / N (Y circled)

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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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Project Information

Chain of Custody

Page 2 of 2

Client: Harvard Petroleum	Bill To
Project: Apache to NPG Water Transfer Line	Attention: Wescom Inc
Project Manager: Ashley Giovengo	Address: 1224 Standpipe Rd
Address: 1224 Standpipe Rd	City, State, Zip: Carlsbad, NM 88220
City, State, Zip: Carlsbad, NM 88220	Phone: 505-382-1211
Phone: 505-382-1211	Email: ashley.giovengo@wescominc.com
Email: ashley.giovengo@wescominc.com	
Report due by:	

Lab Use Only: Lab WO# E303047 | Job Number 21022-0001

TAT: 1D | 2D | 3D | Standard x

EPA Program: CWA | SDWA | RCRA

State: NM x | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
13:43	3/13/23	Soil	1 Jar	CONF11 - 4'	11	X	
13:46	3/13/23	Soil	1 Jar	CONF12 - 4'	12	X	
13:50	3/13/23	Soil	1 Jar	CONF13 - 4'	13	X	
13:52	3/13/23	Soil	1 Jar	CONF14 - 4'	14	X	
13:55	3/13/23	Soil	1 Jar	CONF15 - 4'	15	X	
14:00	3/13/23	Soil	1 Jar	CONF16 - 4'	16	X	
14:03	3/13/23	Soil	1 Jar	CONF17 - 4'	17	X	
14:05	3/13/23	Soil	1 Jar	CONF18 - 4'	18	X	
14:09	3/13/23	Soil	1 Jar	CONF19 - 4'	19	X	

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3.14.2023	11:46	Michelle Garcia	3-14-23	1146
Michelle Garcia	3-14-23	1700	[signature]	3-14-23	1759
[signature]	3-14-23	2330	Kaylah R Hess	3-15-23	0700

Lab Use Only: Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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

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

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 requested.

Client:	Harvard Petroleum Co	Date Received:	03/15/23 07:00	Work Order ID:	E303047
Phone:	(505) 382-1211	Date Logged In:	03/14/23 15:20	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	03/21/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? 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	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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: 4°C		

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	Subcontract Lab: NA

Comments/Resolution

Client Instruction

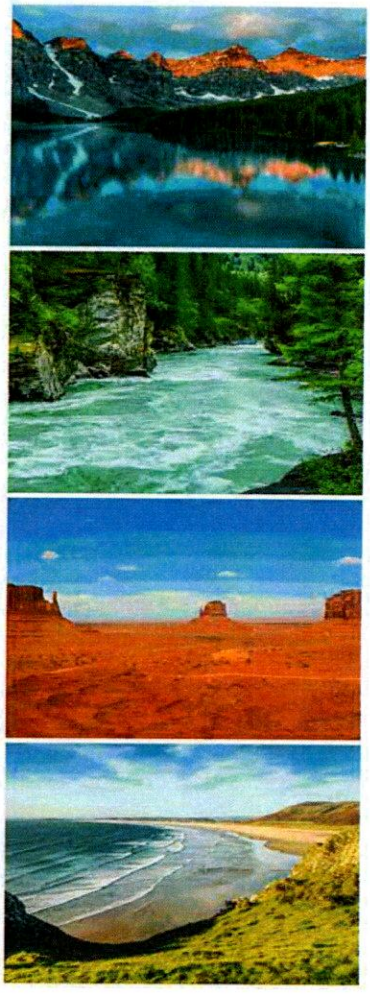
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



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:	E303052
Job Number:	21022-0001
Received:	3/16/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/17/23

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

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

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

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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Sample Summary

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	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.

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

CONF20 Wall - 2'

E303052-01

Analyte	Result	Reporting Limit	Dilution	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		*92.7 %*	*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		*103 %*	*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		*92.7 %*	*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		*103 %*	*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		*94.6 %*	*50-200*	*03/14/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2311046
Chloride	**873**	20.0	1	03/16/23	03/16/23	

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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	3/17/2023 12:46:40PM

CONF21 Wall - 2'

E303052-02

Analyte	Result	Reporting Limit	Dilution	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		*92.1 %*	*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 - 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		*104 %*	*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		*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	

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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	3/17/2023 12:46:40PM

CONF22 Wall - 2'

E303052-03

Analyte	Result	Reporting Limit	Dilution	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	Analyst: RKS			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	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		*98.8 %*	*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	

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

CONF23 Wall - 2'

E303052-04

Analyte	Result	Reporting Limit	Dilution	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		*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 - 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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/23	03/16/23	
Surrogate: n-Nonane		*95.3 %*	*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	

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

CONF24 Wall - 2'

E303052-05

Analyte	Result	Reporting Limit	Dilution	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		*92.1 %*	*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	

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QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/17/2023 12:46:40PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311042-BLK1)									Prepared: 03/15/23 Analyzed: 03/16/23
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							
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-BS1)									Prepared: 03/15/23 Analyzed: 03/16/23
Benzene	2.37	0.0250	2.50		94.8	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.1	70-130			
Toluene	2.46	0.0250	2.50		98.5	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	4.88	0.0500	5.00		97.6	70-130			
Total Xylenes	7.45	0.0250	7.50		99.3	70-130			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2311042-MS1)				**Source: E303052-04**					Prepared: 03/15/23 Analyzed: 03/16/23
Benzene	2.70	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135			
Toluene	2.82	0.0250	2.50	ND	113	48-130			
o-Xylene	2.94	0.0250	2.50	ND	118	43-135			
p,m-Xylene	5.59	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.53	0.0250	7.50	ND	114	43-135			
Surrogate: Bromofluorobenzene	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2311042-MSD1)				**Source: E303052-04**					Prepared: 03/15/23 Analyzed: 03/16/23
Benzene	2.73	0.0250	2.50	ND	109	48-131	1.05	23	
Ethylbenzene	2.77	0.0250	2.50	ND	111	45-135	0.981	27	
Toluene	2.84	0.0250	2.50	ND	113	48-130	0.725	24	
o-Xylene	2.98	0.0250	2.50	ND	119	43-135	1.25	27	
p,m-Xylene	5.67	0.0500	5.00	ND	113	43-135	1.33	27	
Total Xylenes	8.64	0.0250	7.50	ND	115	43-135	1.30	27	
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/17/2023 12:46:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311042-BLK1)									Prepared: 03/15/23 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: 03/15/23 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: 03/15/23 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: 03/15/23 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 Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/17/2023 12:46:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311025-BLK1)									Prepared: 03/14/23 Analyzed: 03/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.9*		*50.0*		*91.8*	*50-200*			
LCS (2311025-BS1)									Prepared: 03/14/23 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: E303046-04**					Prepared: 03/14/23 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: E303046-04**					Prepared: 03/14/23 Analyzed: 03/16/23
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	3.34	20	
Surrogate: n-Nonane	*41.4*		*50.0*		*82.9*	*50-200*			

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QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/17/2023 12:46:40PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2311046-BLK1)									Prepared: 03/16/23 Analyzed: 03/16/23
Chloride	ND	20.0							
LCS (2311046-BS1)									Prepared: 03/16/23 Analyzed: 03/16/23
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2311046-MS1)				**Source: E303052-01**					Prepared: 03/16/23 Analyzed: 03/16/23
Chloride	1170	20.0	250	873	119	80-120			
Matrix Spike Dup (2311046-MSD1)				**Source: E303052-01**					Prepared: 03/16/23 Analyzed: 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 1 of 1

Client: Harvard Petroleum	Bill To	Lab Use Only		TAT	EPA Program
Project: Apache to NPG Water Transfer Line	Attention: Wescom Inc	Lab WO# E303052	Job Number 21022-0001	1D X / 2D / 3D / Standard	CWA / SDWA
Project Manager: Ashley Giovengo	Address: 1224 Standpipe Rd				RCRA
Address: 1224 Standpipe Rd	City, State, Zip: Carlsbad, NM 88220				
City, State, Zip: Carlsbad, NM 88220	Phone: 505-382-1211				State: NM x / CO / UT / AZ / TX
Phone: 505-382-1211	Email: ashley.giovengo@wescominc.com				
Email: ashley.giovengo@wescominc.com					
Report due by:					

Analysis and Method

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 NM	BGDOC TX			Remarks
10:03	3/14/23	Soil	1 Jar	CONF20 Wall - 2'	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				

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	03.15.2023	10:42a	Michelle [signature]	3-15-23	1042
Michelle [signature]	3-15-23	1630	[signature]	3-15-23	1730
[signature]	3-15-23	2400	[signature] R Hall	3-16-23	0700

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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

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

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 requested.

Client:	Harvard Petroleum Co	Date Received:	03/16/23 07:00	Work Order ID:	E303052
Phone:	(505) 382-1211	Date Logged In:	03/15/23 15:01	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	03/16/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? 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	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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: 4°C	

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	Subcontract Lab: na

Client Instruction

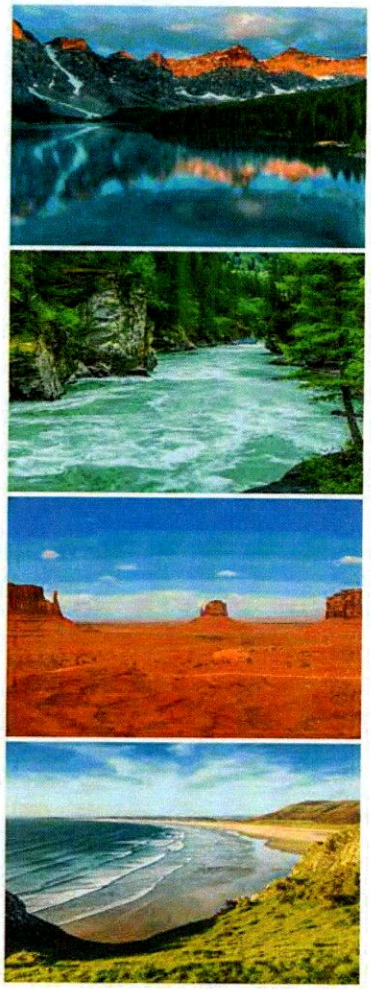
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

NELAP ACCREDITED TNI LABORATORY

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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:	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

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

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

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

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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Sample Summary

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

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

CONF25 - 4'

E303054-01

Analyte	Result	Reporting 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	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		*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*	
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 - 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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/23	03/16/23	
Surrogate: 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	

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	3/20/2023 5:12:54PM

CONF26 - 4'

E303054-02

Analyte	Result	Reporting 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	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		*89.9 %*	*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		*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		*89.9 %*	*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		*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/23	03/16/23	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*03/16/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	**4010**	40.0	2	03/16/23	03/17/23	

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	3/20/2023 5:12:54PM

CONF27 - 4'

E303054-03

Analyte	Result	Reporting 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	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		*92.5 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 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	
Surrogate: Bromofluorobenzene		*92.5 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: Toluene-d8		*106 %*	*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/23	03/16/23	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*03/16/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	**2670**	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

CONF28 - 4'

E303054-04

Analyte	Result	Reporting 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	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		*92.3 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 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	
Surrogate: Bromofluorobenzene		*92.3 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: Toluene-d8		*100 %*	*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/23	03/16/23	
Surrogate: n-Nonane		*96.5 %*	*50-200*	*03/16/23*	*03/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	**4810**	100	5	03/16/23	03/17/23	

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	3/20/2023 5:12:54PM

CONF29 - 4'

E303054-05

Analyte	Result	Reporting 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	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		*90.3 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*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		*90.3 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*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 - 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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/23	03/16/23	
Surrogate: 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	

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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	3/20/2023 5:12:54PM

CONF30 - 4'

E303054-06

Analyte	Result	Reporting 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	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		*89.6 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*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		*89.6 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*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 - 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		*95.5 %*	*50-200*	*03/16/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	**656**	20.0	1	03/16/23	03/17/23	

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	3/20/2023 5:12:54PM

CONF31 - 4'

E303054-07

Analyte	Result	Reporting 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	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		*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	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 - 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		*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	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

CONF32 - 4'

E303054-08

Analyte	Result	Reporting 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	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		*91.1 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*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	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*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
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		*95.2 %*	*50-200*	*03/16/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	5330	40.0	2	03/16/23	03/17/23	

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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	3/20/2023 5:12:54PM

CONF33 - 4'

E303054-09

Analyte	Result	Reporting 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	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		*89.9 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*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	03/15/23	03/17/23	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*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
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		*88.6 %*	*50-200*	*03/16/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	2990	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

CONF34 - 4'

E303054-10

Analyte	Result	Reporting 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	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		*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 %*	*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		*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 %*	*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		*93.7 %*	*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	

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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	3/20/2023 5:12:54PM

CONF35 - 4'

E303054-11

Analyte	Result	Reporting 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	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		*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		*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	
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		*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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/23	03/17/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/16/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	**1100**	20.0	1	03/16/23	03/17/23	

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	3/20/2023 5:12:54PM

CONF36 - 4'

E303054-12

Analyte	Result	Reporting 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	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		*91.5 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*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		*91.5 %*	*70-130*	*03/15/23*	*03/17/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*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 - 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		*94.9 %*	*50-200*	*03/16/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	**3710**	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

CONF37 - 4'

E303054-13

Analyte	Result	Reporting 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	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	Analyst: 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	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		*93.1 %*	*50-200*	*03/16/23*	*03/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311051
Chloride	**4410**	40.0	2	03/16/23	03/17/23	

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	3/20/2023 5:12:54PM

CONF38 - 4'

E303054-14

Analyte	Result	Reporting 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	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	

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

CONF39 - 4'

E303054-15

Analyte	Result	Reporting 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	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		*91.1 %*	*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	Analyst: 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	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		*92.3 %*	*50-200*	*03/16/23*	*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	

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	3/20/2023 5:12:54PM

CONF40 - 4'

E303054-16

Analyte	Result	Reporting 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	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		*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 - 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		*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
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		*100 %*	*50-200*	*03/16/23*	*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	

envirotech Inc.

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/20/2023 5:12:54PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311043-BLK1)									Prepared: 03/15/23 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							
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: 03/15/23 Analyzed: 03/17/23
Benzene	2.79	0.0250	2.50		111	70-130			
Ethylbenzene	2.72	0.0250	2.50		109	70-130			
Toluene	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			
Total 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*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike (2311043-MS1)				**Source: E303054-09**					Prepared: 03/15/23 Analyzed: 03/17/23
Benzene	2.94	0.0250	2.50	ND	118	48-131			
Ethylbenzene	2.90	0.0250	2.50	ND	116	45-135			
Toluene	3.04	0.0250	2.50	ND	121	48-130			
o-Xylene	3.15	0.0250	2.50	ND	126	43-135			
p,m-Xylene	5.94	0.0500	5.00	ND	119	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2311043-MSD1)				**Source: E303054-09**					Prepared: 03/15/23 Analyzed: 03/17/23
Benzene	2.75	0.0250	2.50	ND	110	48-131	6.84	23	
Ethylbenzene	2.71	0.0250	2.50	ND	108	45-135	6.89	27	
Toluene	2.83	0.0250	2.50	ND	113	48-130	6.99	24	
o-Xylene	2.93	0.0250	2.50	ND	117	43-135	7.14	27	
p,m-Xylene	5.54	0.0500	5.00	ND	111	43-135	7.04	27	
Total Xylenes	8.66	0.0250	7.50	ND	116	43-135	12.0	27	
Surrogate: Bromofluorobenzene	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/20/2023 5:12:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2311043-BLK1)									Prepared: 03/15/23 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: 03/15/23 Analyzed: 03/17/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.7	70-130			
Surrogate: Bromofluorobenzene	*0.471*		*0.500*		*94.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Matrix Spike (2311043-MS2)				**Source: E303054-09**					Prepared: 03/15/23 Analyzed: 03/18/23
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2311043-MSD2)				**Source: E303054-09**					Prepared: 03/15/23 Analyzed: 03/18/23
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130	1.39	20	
Surrogate: Bromofluorobenzene	*0.465*		*0.500*		*92.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/20/2023 5:12:54PM

Nonhalogenated Organics by EPA 8015D - 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: 03/16/23 Analyzed: 03/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
LCS (2311047-BS1)									Prepared: 03/16/23 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: E303054-11**					Prepared: 03/16/23 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: E303054-11**					Prepared: 03/16/23 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	Project Name:	Apache to NPG Water Transfer Line	**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

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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	20.0	250		98.8	90-110			
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)				**Source: E303054-01**			Prepared: 03/16/23 Analyzed: 03/17/23		
Chloride	7620	100	250	7380	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.

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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 PO: 45248

Page 1 of 2

Client: Harvard Petroleum	
Project: Apache to NPG Water Transfer Line	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Wescom Inc
Address: 1224 Standpipe Rd
City, State, Zip: Carlsbad, NM 88220
Phone: 505-382-1211
Email: ashley.giovengo@wescominc.com

Lab Use Only: Lab WO# E303054 | Job Number 21022-0001

TAT: 1D | 2D | 3D | Standard (x)

EPA Program: CWA | SDWA | RCRA

State: NM (x) | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
11:29	3/14/23	Soil	1 Jar	CONF25 - 4'	1	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	
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	
13:05	3/14/23	Soil	1 Jar	CONF34 - 4'	10	x	

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	03.15.2023	10:42a	Michelle Gaynes	3-15-23	1042
Michelle Gaynes	3-15-23	1630		3-15-23	1730
	3-15-23	2400	Hughes A Hill	3-16-23	0700

Lab Use Only: Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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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Project Information | Chain of Custody | Page 2 of 2

Client: Harvard Petroleum	Bill To
Project: Apache to NPG Water Transfer Line	Attention: Wescom Inc
Project Manager: Ashley Giovengo	Address: 1224 Standpipe Rd
Address: 1224 Standpipe Rd	City, State, Zip: Carlsbad, NM 88220
City, State, Zip: Carlsbad, NM 88220	Phone: 505-382-1211
Phone: 505-382-1211	Email: ashley.giovengo@wescominc.com
Email: ashley.giovengo@wescominc.com	
Report due by:	

Lab Use Only: Lab WO# E303054 | Job Number 21022-0001

TAT: 1D | 2D | 3D | Standard x

EPA Program: CWA | SDWA | RCRA

State: NM x | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
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	
						x	
						x	

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3.15.2023	10:42	Michelle Cuyle	3-15-23	1042
Michelle Cuyle	3-15-23	1630	[signature]	3-15-23	1730
[signature]	3-15-23	2400	[signature]	3-16-23	0700

Lab Use Only: Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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

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

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 requested.

Client:	Harvard Petroleum Co	Date Received:	03/16/23 07:00	Work Order ID:	E303054
Phone:	(505) 382-1211	Date Logged In:	03/15/23 15:15	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	03/22/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? 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	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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: 4°C	

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	Subcontract Lab: na

Client Instruction

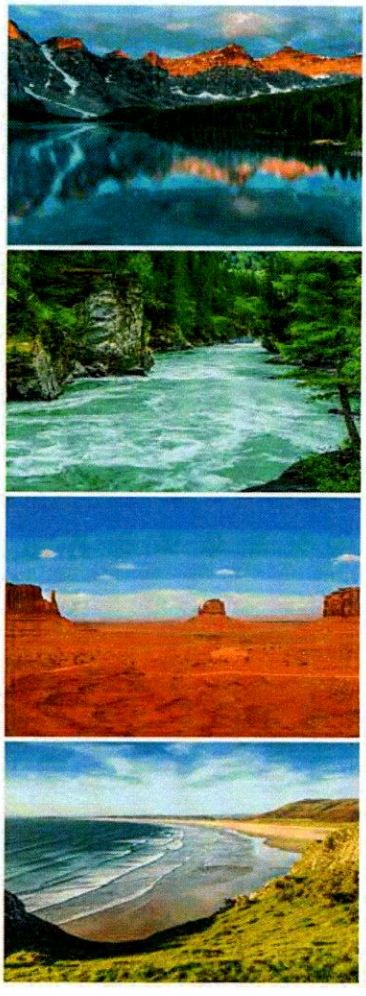
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



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

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

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

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

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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Sample Summary

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

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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	3/24/2023 10:29:26AM

CONF12 - 4'

E303083-01

Analyte	Result	Reporting Limit	Dilution	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	
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	Analyst: SL			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	Analyst: JL			Batch: 2312041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/23	03/23/23	
Oil 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	Analyst: BA			Batch: 2312046
Chloride	**15300**	400	20	03/23/23	03/23/23	

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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	3/24/2023 10:29:26AM

CONF20 Wall - 2'

E303083-02

Analyte	Result	Reporting Limit	Dilution	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	
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		*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	
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 - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/23	03/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/23	03/23/23	
Surrogate: n-Nonane		*85.6 %*	*50-200*	*03/22/23*	*03/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2312046
Chloride	ND	20.0	1	03/23/23	03/23/23	

envirotech Inc.

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/24/2023 10:29:26AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2312043-BLK1)									Prepared: 03/22/23 Analyzed: 03/23/23
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							
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-BS1)									Prepared: 03/22/23 Analyzed: 03/23/23
Benzene	2.28	0.0250	2.50		91.3	70-130			
Ethylbenzene	2.37	0.0250	2.50		94.7	70-130			
Toluene	2.36	0.0250	2.50		94.6	70-130			
o-Xylene	2.41	0.0250	2.50		96.2	70-130			
p,m-Xylene	4.80	0.0500	5.00		96.0	70-130			
Total 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: 03/22/23 Analyzed: 03/23/23
Benzene	2.13	0.0250	2.50	ND	85.4	48-131			
Ethylbenzene	2.27	0.0250	2.50	ND	90.6	45-135			
Toluene	2.24	0.0250	2.50	ND	89.8	48-130			
o-Xylene	2.30	0.0250	2.50	ND	91.9	43-135			
p,m-Xylene	4.57	0.0500	5.00	ND	91.5	43-135			
Total Xylenes	6.87	0.0250	7.50	ND	91.6	43-135			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.467*		*0.500*		*93.4*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2312043-MSD1)				**Source: E303076-02**					Prepared: 03/22/23 Analyzed: 03/23/23
Benzene	2.15	0.0250	2.50	ND	86.0	48-131	0.770	23	
Ethylbenzene	2.26	0.0250	2.50	ND	90.3	45-135	0.354	27	
Toluene	2.26	0.0250	2.50	ND	90.3	48-130	0.533	24	
o-Xylene	2.29	0.0250	2.50	ND	91.7	43-135	0.218	27	
p,m-Xylene	4.52	0.0500	5.00	ND	90.3	43-135	1.23	27	
Total Xylenes	6.81	0.0250	7.50	ND	90.8	43-135	0.892	27	
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/24/2023 10:29:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2312043-BLK1)									Prepared: 03/22/23 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: 03/22/23 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: E303076-02**					Prepared: 03/22/23 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: E303076-02**					Prepared: 03/22/23 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*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			

QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	Reported:
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/24/2023 10:29:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2312041-BLK1)									Prepared: 03/22/23 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: 03/22/23 Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
Surrogate: n-Nonane	*39.6*		*50.0*		*79.2*	*50-200*			
Matrix Spike (2312041-MS1)				**Source: E303075-01**					Prepared: 03/22/23 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: E303075-01**					Prepared: 03/22/23 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*			

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QC Summary Data

Harvard Petroleum Co	Project Name:	Apache to NPG Water Transfer Line	**Reported:**
200 E 2nd St	Project Number:	21022-0001	
Roswell NM, 88201	Project Manager:	Ashley Giovengo	3/24/2023 10:29:26AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2312046-BLK1)									Prepared: 03/23/23 Analyzed: 03/23/23
Chloride	ND	20.0							
LCS (2312046-BS1)									Prepared: 03/23/23 Analyzed: 03/23/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2312046-MS1)				**Source: E303083-01**					Prepared: 03/23/23 Analyzed: 03/23/23
Chloride	12200	400	250	15300	NR	80-120			M4
Matrix Spike Dup (2312046-MSD1)				**Source: E303083-01**					Prepared: 03/23/23 Analyzed: 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.

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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 P0-45544   Page 1 of 1

Client: Harvard Petroleum	Bill To	Lab Use Only		TAT	EPA Program
Project: Apache to NPG Water Transfer Line	Attention: Wescom Inc	Lab WO# E303083	Job Number 21022-0001	1D 2D 3D Standard: X (1D)	CWA SDWA
Project Manager: Ashley Giovengo	Address: 1224 Standpipe Rd		Analysis and Method		RCRA
Address: 1224 Standpipe Rd	City, State, Zip: Carlsbad, NM 88220				State: NM (x) CO UT AZ TX
City, State, Zip: Carlsbad, NM 88220	Phone: 505-382-1211				
Phone: 505-382-1211	Email: ashley.giovengo@wescominc.com				
Email: ashley.giovengo@wescominc.com					
Report due by:					

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 NM	BGDOC TX			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				

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com VIS. ice in cooler - M 3/23/23

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
[signature]	03.22.2023	01:30pm	[signature]	3-22-23	1330	Received on ice: (Y)/ N
[signature]	3-22-23	1600	[signature]	3-22-23	1600	T1 ___ T2 ___ T3 ___
			[signature] 3/23	03-23-23	7:00	AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 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.

envirotech

Envirotech Analytical Laboratory

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

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 requested.

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 of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? 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	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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: 4°C	

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	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

ATTACHMENT F

48-Hour Confirmation Sampling Notification Emails

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
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: 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 <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
WescomInc.com | cole.burton@WescomInc.com
"I am in charge of my own safety."

ATTACHMENT G

Special Status Plant Species Survey Report

CEHMM
Conservation & Environmental Services
505 North Main Street I Carlsbad, New Mexico 88220-5875
phone: (575)885-3700 I email: info@cehmm.org

WESCOM, INC.

APACHE TO NPG WATER TRANSFER

SPECIAL STATUS PLANT SPECIES SURVEY REPORT

03/03/2023

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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.

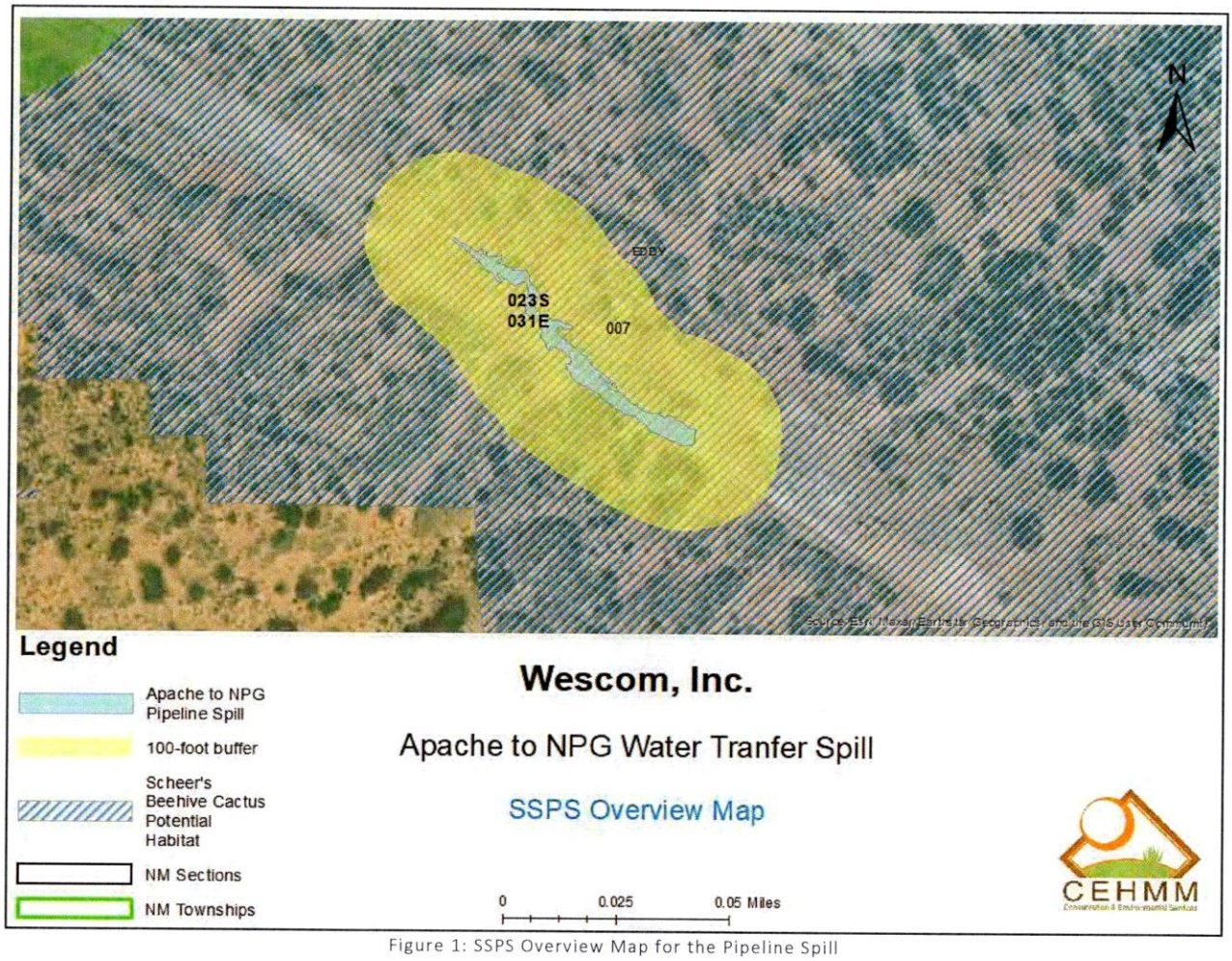

Figure 1: SSPS Overview Map for the Pipeline Spill

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

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

CONDITIONS

Action 212778

CONDITIONS

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 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