

SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN

PATRICK API #5 UNIT H, SECTION 9, TOWNSHIP 19S, RANGE 25E EDDY COUNTY, NEW MEXICO 32.677626, -104.483689 RANGER REFERENCE NO. 5375

PREPARED FOR:

EOG RESOURCES, INC. ARTESIA DIVISION 105 S 4TH STREET ARTESIA, NEW MEXICO 88210

PREPARED BY:

RANGER ENVIRONMENTAL SERVICES, INC. P.O. BOX 201179 AUSTIN, TEXAS 78720

FEBRUARY 17, 2022

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TABLE OF CONTENTS

1.0	SITE LOCATION AND BACKGROUND 1
2.0	SITE CHARACTERIZATION
2.1	Depth-to-Groundwater 1
2.2	Wellhead Protection Area 2
2.3	Distance to Nearest Significant Watercourse 2
2.4	Sample Results and Closure Criteria 2
3.0	SITE ASSESSMENT
3.0 4.0	SITE ASSESSMENT3PROPOSED REMEDIATION PLAN3
4.0	PROPOSED REMEDIATION PLAN
4.0 4.1	PROPOSED REMEDIATION PLAN 3 Soil Excavation and Confirmation Sampling 3

FORM C-141

FIGURES

- Topographic Map
- Area Map
- Water Well Location Map
- National Wetland Inventory Map
- FEMA Floodplain Map
- Karst Topography Map
- Sample Location Map (09/03/2021)
- Proposed Excavation Area Map

TABLES

• Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

ATTACHMENTS

- Attachment 1 Depth-to-Groundwater Data
- Attachment 2 Photographic Documentation
- Attachment 3 Laboratory Analytical Reports
- Attachment 4 Howell Ranch Seed Mixture



SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN PATRICK API #5 UNIT H, SECTION 9, TOWNSHIP 19S, RANGE 25E EDDY COUNTY, NEW MEXICO 32.677626, -104.483689 RANGER REFERENCE NO. 5375

1.0 SITE LOCATION AND BACKGROUND

The Patrick API #5 (Site) is a well pad located on private land, approximately 12.4 miles southsouthwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit H, Section 9, T19S-R25E at GPS coordinates 32.677626, -104.483689.

An area of concern was reported to EOG Resources Inc. (EOG) by representatives of the surface property owner, Howell Ranch Revocable Trust (Howell Ranch). The reported area of concern was noted to be in the vicinity of the former well head location within the historic well pad footprint. EOG subsequently engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment and remediation efforts at the Site.

On September 3, 2021, Ranger personnel assessed the reported area of concern. The assessment activities included the collection of soil samples for laboratory analysis. Due to the observed size of the impacts at the Site, the area of concern was reported to the New Mexico Oil Conservation Division (NMOCD) on September 28, 2021 (NMOCD Incident # nAPP2127157023).

The following proposed remediation work plan has been prepared to address the soil impacts at the Site.

A copy of the previously submitted Form C-141 Release Notification, as well as the Site Assessment/Characterization and Remediation Plan sections of Form C-141, are attached. A Topographic Map and Area Map noting the location of the subject Site and surrounding areas, and a Site Map illustrating the Site features and sampling locations, are provided in the Figures section.

2.0 SITE CHARACTERIZATION

2.1 <u>Depth-to-Groundwater</u>

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, one NMOSE well (RA 05333/RA 09489) and one USGS well (USGS 324100104285501) were identified to be located within a half-mile of the Site. As discussed below, these may be the same well.

STATE OF TEXAS PROFESSIONAL GEOSCIENTIST FIRM NO. 50140 • STATE OF TEXAS PROFESSIONAL ENGINEERING FIRM NO. F-6160

P.O. BOX 201179 AUSTIN, TX 78720 OFFICE: 512/335-1785 FAX: 512/335-0527

Based on the reviewed information, it appears that the depth to groundwater in the area is greater than 100 feet below ground surface (bgs). It should be noted, however, that the available depth-to-groundwater information is greater than 20 years old and is therefore deemed not acceptable by the NMOCD. Copies of the reviewed depth-to-groundwater information are attached.

2.2 <u>Wellhead Protection Area</u>

Based upon the available USGS and NMOSE information, two water wells were plotted within a half-mile of the Site. The well RA 05333 (also listed as RA 09489) location information included on the NMOSE web portal indicates that the well is located approximately 1,200 feet north of the Site. However, based on a review of aerial imagery for this area, it does not appear that a well is located at this approximate location. Rather, it appears that a well is potentially located at GPS coordinates 32.683378, -104.482831, approximately 2,100 feet north-northwest of the Site, which places it near the reported location of the USGS well (USGS 324100104285501). It is possible that well RA 05333/RA 09489 and USGS 324100104285501 are the same well.

Upon review of the National Wetland Inventory, the Site is not within 300 feet of a mapped feature.

The Site and impacted area are outside of the FEMA 100-year flood plain and fall in the area of minimal flood hazard.

The Site is noted to be in an area of "Medium Karst" probability.

2.3 Distance to Nearest Significant Watercourse

Based upon available online resources, there are no significant watercourses present within a half-mile of the site.

2.4 Sample Results and Closure Criteria

Based upon the Site characterization details, including the absence of any recent (<20 year old) depth-to groundwater data within a 0.5-mile radius, and per NMAC 19.15.29.12, the Site will be remediated to the Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria. Additionally, the remediation activities will be conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The proposed closure criteria are detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100	50	10

All Values Presented in Parts Per Million (mg/Kg)



3.0 SITE ASSESSMENT

On September 3, 2021, Ranger personnel and representatives for EOG mobilized to the Site to assess the reported area of concern. A total of twelve test excavations (TH-1 through TH-12) were installed, field screened, and sampled.

Ranger personnel conducted field screening of the soils in each test excavation using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating the soil conditions and/or levels of impacts in the area. Field screening of the encountered soils was conducted at the surface and at one-foot increments to the total depth of each test excavation. The test excavations were completed to depths where the field readings indicated that soil conditions were within the most stringent Table 1 Criteria.

The field chloride titrations indicated that elevated soil chloride concentrations were present in a number of the test excavations, including TH-1, TH-2, TH-6 and TH-8. No elevated OVM readings were encountered during the assessment process.

During the test excavation installation process, soil samples were collected for laboratory analysis at various depth intervals to assist in delineating the elevated chloride concentrations. At each test excavation where the field chloride titrations indicated elevated chloride concentrations, Ranger ensured that a sample was collected from the interval exhibiting the highest field chloride result. In total, 28 soil samples were collected for laboratory analysis.

Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the soil sample analytical results, eight samples from five test excavations (TH-1, TH-2, TH-6, TH-7 and TH-8) were noted to have chloride concentrations in exceedance of the Table 1 Criteria. Additionally, three samples from three different test excavations (TH-1, TH-4 and TH-7) were noted to have TPH concentrations in exceedance of the Table 1 Criteria. The majority of the elevated chloride concentrations were limited to the surface to four-foot depth interval. The TPH impacts in test excavations TH-1, TH-4 and TH-7 were limited to the surface samples only suggesting that these impacts were limited and relatively minor in nature.

The soil sample analytical results are summarized in the attached soil analytical table. A copy of the laboratory analytical report is also attached.

4.0 PROPOSED REMEDIATION PLAN

4.1 Soil Excavation and Confirmation Sampling

To address the elevated soil chloride and TPH concentrations at the Site, soil excavation and cleanup confirmation soil sampling activities are proposed to be conducted. The soil excavation activities are proposed to be conducted in the areas where the elevated TPH and/or chloride concentrations were documented to be present. This will include the area surrounding test excavations TH-1, TH-4 and TH-6, and the area surrounding test excavations TH-2, TH-7 and TH-8. The area surrounding test excavated to maximum



dimensions of approximately 31 feet by 67 feet by 1 to 4 feet deep. The area surrounding test excavations TH-2, TH-7 and TH-8 will be excavated to maximum dimensions of approximately 54 feet by 41 feet by 3 to 13 feet deep. A Proposed Soil Excavation Map is attached which illustrates the proposed excavation boundaries and anticipated excavation depths.

During the performance of the proposed excavation activities, Ranger personnel will utilize an OVM and field chloride titration kit to guide the excavation process and determine when all affected soils appear to have been removed. Based on the field readings, the excavation boundaries will be adjusted as necessary. At such point in time that the field screening activities indicate that all affected soils appear to have been removed, cleanup confirmation soil samples will be collected for laboratory analysis. The samples will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet. The sample parts will be collected from various locations and depths along the excavation side walls and base. Upon collection, the composite sample parts will be placed into a new Ziplock® bag, thoroughly mixed, and a sample for laboratory analysis will be collected from the mixture.

Based on the cleanup confirmation soil sample results, if any area is found to remain in exceedance of the applicable regulatory cleanup criteria, the area will be further over excavated and additional cleanup confirmation soil samples will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet.

The cleanup confirmation soil samples will be collected using standard QA/QC procedures, placed into laboratory-supplied containers, and will be immediately placed into a sample shuttle containing ice. The samples will be transported to an approved laboratory for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300.

Based on the proposed excavation boundaries and depths, it is anticipated that approximately 740 cubic yards of material will be generated during the site remediation process. The excavated material will be transported off-site for disposal at an approved disposal facility.

4.2 Site Backfill and Reclamation

Upon attainment of the 19.15.29.13 NMAC Reclamation Criteria and Restoration Criteria, the excavated area will be backfilled with clean fill material of similar type to that which was removed. The area will then be re-vegetated with the James H & Betty R Howell Revocable Trust Seed Mix.

4.3 <u>Remediation Schedule</u>

Upon approval of the proposed remediation plan, all field activities will be scheduled as soon as reasonably possible. It is anticipated that the soil removal operations and cleanup confirmation soil sampling activities will be completed within 120 days of initiation.

Appropriate notification to the NMOCD will be provided prior to the performance of the cleanup confirmation soil sampling activities.



5.0 SITE CLOSURE

Upon completion of the remedial and backfilling activities at the Site, a C-141 Closure Report will be submitted to the NMOCD, and site closure will be requested. The Closure Report will be completed in accordance with the closure reporting criteria detailed in NMAC 19.15.29.12(E).



FORM 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	nAPP2127157023
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377	
Contact Name Chase Settle	Contact Telephone 575-748-1471	
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nAPP2127157023	
Contact mailing address 104 S. 4th Street, Artesia, NM 88210		

Location of Release Source

Latitude 32.67756

Longitude	-104.48394
decimal degrees to 5 deci	mal places)

Site Name Patrick API #5	Site Type Well Pad
Date Release Discovered 9/21/2021	API# (if applicable) 30-015-29117

Unit Letter	Section	Township	Range	County
Н	9	19S	25E	Eddy

Surface Owner: State Federal Tribal Private (Name: Howell Revocable Trust

(NAD 83 in

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) Unknown	Volume Recovered (bbls)	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No	
Condensate	Volume Released (bbls)	Volume Recovered (bbls)	
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)	
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)	
Cause of Release Historical impacts reported by the surface owner. The environmental consultant contracted to investigate the area determined on 9/21/21 based on the impacted area footprint that the release more than likely breached the reportable volume threshold.			

Page 2

Oil Conservation Division

Incident ID	nAPP2127157023
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
5	
19.15.29.7(A) NMAC?	
🗌 Yes 🔽 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

 \checkmark The source of the release has been stopped.

 \checkmark 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.

D' (1)T	Chase Settle	
Printed Name		

Signature: Than Settle

Title: Rep Safety & Environmental Sr Date: 9/28/21

Telephone: 575-748-1471

email: Chase_Settle@eogresources.com

OCD Only

Received by:

Ramona Marcus

Date: ____

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Oil Conservation Division

	Page 11 of 83
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(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 Checkinst, Dath of the jouowing works must be included in the report	Characterization Report Checklist:	Each of the	following items	must be included in	n the report
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Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
Topographic/Aerial maps

Laboratory data including chain of custody

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

Received by OCD: 3/11/	2022 9:15:49 AM State of New Mexico			Page 12 66 83
F0IIII C-141			Incident ID	
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptanc and/or regulations. Printed Name: Signature:	nformation given above is true and complete to the are required to report and/or file certain release nor ronment. The acceptance of a C-141 report by the stigate and remediate contamination that pose a thr the of a C-141 report does not relieve the operator o	tifications and perform of OCD does not relieve the reat to groundwater, surf f responsibility for comp 	corrective actions for release the operator of liability shoul face water, human health or pliance with any other feder	es which may endanger d their operations have the environment. In al, state, or local laws
OCD Only				
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Detailed description of proposed remediation technique

Page 5

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Page 14 66 83

Closure

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

<u>Closure Report Attachment Checklist</u>: Each of the following	g items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29	0.11 NMAC
Photographs of the remediated site prior to backfill or photo must be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OI	DC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file cert may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and r human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regu- restore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the Printed Name:	OCD when reclamation and re-vegetation are complete.
OCD Only	
Received by:	Date:
	ty of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.

 Closure Approved by:
 Date:

 Printed Name:
 Title:

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

OGRID:
7377
Action Number:
52546
Action Type:
[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	10/1/2021

CONDITIONS

Page 15 7683

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Action 52546

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Oil Conservation Division

	Page 16 of 8
Incident ID	nAPP2127157023
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data

Page 3

- Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

ge 4 Ocd Conservation Div			Incident ID District RP Facility ID Application ID	Page 17 0 nAPP2127157023
I hereby certify that the information g regulations all operators are required public health or the environment. The failed to adequately investigate and re addition, OCD acceptance of a C-141 and/or regulations. Printed Name: Chase Settle	to report and/or file certain release e acceptance of a C-141 report by mediate contamination that pose report does not relieve the opera	the notifications and perform of the OCD does not relieve the a threat to groundwater, surf tor of responsibility for comp	corrective actions for rele e operator of liability sh face water, human health	eases which may endanger ould their operations have a or the environment. In deral, state, or local laws
Signature: <u>Chase</u> Settle				
		Date: <u>3/10/2022</u>		
email: Chase_Settle@eog	esources.com	Telephone: 575-7	/48-1471	
OCD Only				
Received by:		Date:		

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	nAPP2127157023
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. _____ _{Title:} <u>Rep Saf</u>ety & Environmental Sr Printed Name: Chase Settle Signature: <u>Chase Settle</u> Date: 3/10/2022 email: Chase_Settle@eogresources.com Telephone: 575-748-1471 **OCD Only** _____ Date: ___ Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved ennifer Nobili Date: 03/22/2022 Signature:

FIGURES

Topographic Map Area Map Water Well Location Map National Wetland Inventory Map FEMA Floodplain Map Karst Topography Map Sample Location Map (09/03/2021) Proposed Excavation Area Map Received by OCD: 3/11/2022 9:15:49 AM



Released to Imaging: 3/22/2022 2:42:03 PM



Released to Imaging: 3/22/2022 2:42:03 PM



Released to Imaging: 3/22/2022 2:42:03 PM











TABLES

Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data Г

EOG RESOURCES, INC. PATRICK API #5													
				All valu	ies presente	d in parts per	million (mg	ı/Kg)					
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+ MRO)	CHLO
Site Assessment - S	eptember 3, 202	1											
TH-1/Surface	9/3/2021	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	370	4,400	370	4,770	2,7
TH-1/2'	9/3/2021	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	4,7
TH-1/4'	9/3/2021	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	13
TH-2/Surface	9/3/2021	0'	<0.024	<0.048	<0.048	< 0.096	<0.10	<4.8	<9.7	<49	<9.7	<49	1,0
TH-2/1'	9/3/2021	1'	< 0.025	<0.049	< 0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	1,1
TH-2/4'	9/3/2021	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<10	<50	<10	<50	18
TH-3/Surface	9/3/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.5	<48	<9.5	<48	20
TH-3/4	9/3/2021	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<5.0	<9.7	<48	<9.7	<48	10
111-5/4	3/3/2021	7	<0.020	<0.000	<0.000	NO.033	NO.10	CO.O	N 0.1	N #0	NO.1	N40	
TH-4/Surface	9/3/2021	0'	<0.025	< 0.050	<0.050	<0.099	<0.10	<5.0	200	380	200	580	<6
TH-4/2'	9/3/2021	2'	< 0.025	<0.049	< 0.049	< 0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	<6
TH-5/Surface	9/3/2021	0'	< 0.025	< 0.049	< 0.049	< 0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	<6
TH-5/2'	9/3/2021	2'	<0.023	<0.047	<0.047	< 0.093	<0.09	<4.7	<9.7	<49	<9.7	<49	7:
TH-6/Surface	9/3/2021	0'	<0.024	<0.048	<0.048	< 0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	4,9
TH-6/1'	9/3/2021	1'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.8	<49	<9.8	<49	12
		-			-								
TH-7/Surface	9/3/2021	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	62	130	62	190	<5
TH-7/2'	9/3/2021	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.4	<47	<9.4	<47	<mark>61</mark>
T U 6/41	0/0/0004		0.004	0.040	0.040	0.000				40		10	
TH-8/1' TH-8/4'	9/3/2021 9/3/2021	1' 4'	<0.024 <0.025	<0.048 <0.049	<0.048 <0.049	<0.096	<0.10	<4.8 <4.9	<9.7	<49 <49	<9.7 <9.8	<49 <49	8,0
TH-8/14'	9/3/2021	4 14'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49 <48	<9.8	<49 <48	3,4 23
10-0/14	9/3/2021	14	<0.023	<0.040	<0.040	<0.092	<0.09	<4.0	<9.0	<40	<9.0	<40	23
TH-9/Surface	9/3/2021	0'	<0.024	< 0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	<6
TH-9/4'	9/3/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<10	<50	<10	<50	22
	0/0/2021	· ·	10.021	10.010	101010	-0.000	-0.10					-00	
TH-10/Surface	9/3/2021	0'	< 0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.9	<49	<9.9	<49	<6
TH-10/2'	9/3/2021	2'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.3	<47	<9.3	<47	20
													-
TH-11/Surface	9/3/2021	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	9.5	<46	9.5	9.5	<6
TH-11/5'	9/3/2021	5'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<8.9	<44	<8.9	<44	<6
TH-11/10'	9/3/2021	10'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<49	<9.9	<49	<6
				-									
TH-12/Surface	9/3/2021	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	<6
TH-12/1'	9/3/2021	1'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	<6
5.29.12 NMAC Table	1 Closure C-4!	a for Calls											
Impacted by a R			10				50					100	60
19.15.29.13 NMAC	-	-	10 ³				50 ³					100 ³	60

1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.

2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.

3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA



New Mexico Office of the State Engineer **Point of Diversion Summary**

								=NE 3=S to larges		·	3 UTM in meters	2)
Well Tag	POD	Number	r					Tws				Y
		05333		τ.	2	2		19S	0	54843		-
Driller Lic	ense:	353		Dril	ler Co	ompa	ny:	OS	BOUR	N DRILL	ING & PUM	P CO.
Driller Na	me:	EXISTI	NG WE	ELL								
Drill Start	Date:	04/18/1	967	Dril	l Finis	sh Da	te:	03	5/05/19	967	Plug Date:	
Log File D	ate:	05/12/1	967	PCV	V Rev	Date	e:				Source:	Shallow
Pump Typ	e:			Pipe	Disch	harge	e Sizo	e:			Estimated Y	/ield:
Casing Siz	e:			Dep	th We	11:		3	15 feet	t	Depth Wate	er: 260 feet
	Wate	er Bearin	g Strat	ifications		То	op E	Bottom	Des	cription		
			-			27	-	290		-	vel/Conglom	ierate
						29	90	303			vel/Conglom	
		Ca	sing Pe	rforations	5:	Та	b B	Bottom				
			0			28	-	312				
	Mete	er Numbe	er:	8784			I	Meter	Make	:	MASTER	
	Mete	er Serial I	Numbe	r: FL001			I	Meter	Multi	plier:	10.0000	
	Num	ber of Di	ials:	6			I	Meter	Туре:		Diversion	
	Unit	of Meası	ire:	Barrel	s 42 g	al.]	Return	Flow	Percent:		
	Usag	e Multip							-	quency:		
Meter]	x Readir	ngs (in Ac		 t)								
	l Date	Year		Reading	Flag	R	dr (Comm	ent			Mtr Amount Onlin
02/25	5/2005	2005		19	A		PT					0
	0/2005	2005		4671	А		PT					1.428
10/13	3/2005	2005		4822	А	c	h					0.046
12/19	9/2005	2005		43967	А	jv	N					0
01/13	3/2006	2006		44260	А	jv	N					0.378
04/10	0/2006	2006		44260	А	c	h					0
× **Y]	ГD Ме	eter Amo	unts:	Year	1	Amo	unt					
			:	2005		1.4	474					
				2006		0.3	378					

*UTM location was derived from PLSS - see Help

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

9/1/21 1:34 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)	(NAD83 UTM in meters)		
Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X Y		
	RA 09489	2 2 09 19S 25E	548430 3616046* 🌍		
× Driller License:		Driller Company:			
Driller Na	me:				
Drill Start Date: Log File Date: Pump Type:		Drill Finish Date:	Plug Date:		
		PCW Rcv Date:	Source:		
		Pipe Discharge Size:	Estimated Yield:		
Casing Size:		Depth Well:	Depth Water:		

*UTM location was derived from PLSS - see Help

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

12/21/21 7:51 AM

POINT OF DIVERSION SUMMARY



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	Data Category:		Geographic Area:		
obdo mater Resources	Groundwater	×	United States	~	GO

Click to hideNews Bulletins

- Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News 🔝

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

site_no list =

• 324100104285501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324100104285501 19S.25E.04.444341

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°41'00", Longitude 104°28'55" NAD27

Land-surface elevation 3,515 feet above NGVD29

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-09-01 15:29:13 EDT 0.72 0.51 nadww01



ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH NO. 1 – A general view of the Site assessment activities at the "TH-11" location. The view is towards the north. (Approximate GPS: 32. 32.677778, -104.483611)



PHOTOGRAPH NO. 2 – A view of the Site at the "TH-7" location. The view is towards the northeast. (Approximate GPS: 32.677500, -104.483611)
ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



September 20, 2021

Will Kierdorf EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2109229

RE: Patrick API 5

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 28 sample(s) on 9/4/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG	Client Sample ID: TH-1/Surface						
Project: Patrick API 5	Collection Date: 9/3/2021 7:54:00 AM						
Lab ID: 2109229-001	Matrix: SOIL		Recei	ved Dat	e: 9/4	/2021 8:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	2700	150		mg/Kg	50	9/14/2021 8:44:12 AM	62531
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	: SB
Diesel Range Organics (DRO)	370	96		mg/Kg	10	9/10/2021 2:46:39 PM	62465
Motor Oil Range Organics (MRO)	4400	480		mg/Kg	10	9/10/2021 2:46:39 PM	62465
Surr: DNOP	0	70-130	S	%Rec	10	9/10/2021 2:46:39 PM	62465
EPA METHOD 8015D: GASOLINE RAM	IGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/11/2021 1:39:00 AM	62460
Surr: BFB	90.6	70-130		%Rec	1	9/11/2021 1:39:00 AM	62460
EPA METHOD 8021B: VOLATILES						Analyst	: mb
Benzene	ND	0.025		mg/Kg	1	9/11/2021 1:39:00 AM	62460
Toluene	ND	0.049		mg/Kg	1	9/11/2021 1:39:00 AM	62460
Ethylbenzene	ND	0.049		mg/Kg	1	9/11/2021 1:39:00 AM	62460
Xylenes, Total	ND	0.098		mg/Kg	1	9/11/2021 1:39:00 AM	62460
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	9/11/2021 1:39:00 AM	62460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG	Client Sample ID: TH-1/2' Collection Date: 9/3/2021 7:59:00 AM						
Project: Patrick API 5							
Lab ID: 2109229-002	Matrix: SOIL	Received Date: 9/4/2021 8:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analysi	: VP	
Chloride	4700	150	mg/Kg	50	9/14/2021 8:56:36 AM	62531	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/9/2021 6:36:05 PM	62465	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 6:36:05 PM	62465	
Surr: DNOP	119	70-130	%Rec	1	9/9/2021 6:36:05 PM	62465	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 2:18:00 AM	62460	
Surr: BFB	92.6	70-130	%Rec	1	9/11/2021 2:18:00 AM	62460	
EPA METHOD 8021B: VOLATILES					Analyst	: mb	
Benzene	ND	0.024	mg/Kg	1	9/11/2021 2:18:00 AM	62460	
Toluene	ND	0.049	mg/Kg	1	9/11/2021 2:18:00 AM	62460	
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 2:18:00 AM	62460	
Xylenes, Total	ND	0.098	mg/Kg	1	9/11/2021 2:18:00 AM	62460	
Surr: 4-Bromofluorobenzene	82.4	70-130	%Rec	1	9/11/2021 2:18:00 AM	62460	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG	Client Sample ID: TH-1/4' Collection Date: 9/3/2021 8:02:00 AM						
Project: Patrick API 5							
Lab ID: 2109229-003	Matrix: SOIL	Received Date: 9/4/2021 8:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	130	60	mg/Kg	20	9/13/2021 6:49:08 PM	62531	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/9/2021 6:45:54 PM	62465	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 6:45:54 PM	62465	
Surr: DNOP	96.9	70-130	%Rec	1	9/9/2021 6:45:54 PM	62465	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 2:38:00 AM	62460	
Surr: BFB	95.8	70-130	%Rec	1	9/11/2021 2:38:00 AM	62460	
EPA METHOD 8021B: VOLATILES					Analyst	: mb	
Benzene	ND	0.024	mg/Kg	1	9/11/2021 2:38:00 AM	62460	
Toluene	ND	0.049	mg/Kg	1	9/11/2021 2:38:00 AM	62460	
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 2:38:00 AM	62460	
Xylenes, Total	ND	0.098	mg/Kg	1	9/11/2021 2:38:00 AM	62460	
Surr: 4-Bromofluorobenzene	83.5	70-130	%Rec	1	9/11/2021 2:38:00 AM	62460	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG	Client Sample ID: TH-2/Surface					
Project: Patrick API 5	Collection Date: 9/3/2021 8:05:00 AM					
Lab ID: 2109229-004	Matrix: SOIL		Received Date	e: 9/4	/2021 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: VP
Chloride	1000	60	mg/Kg	20	9/13/2021 7:01:29 PM	62531
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/10/2021 12:39:17 PM	62471
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/10/2021 12:39:17 PM	62471
Surr: DNOP	108	70-130	%Rec	1	9/10/2021 12:39:17 PM	62471
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/11/2021 2:57:00 AM	62460
Surr: BFB	96.8	70-130	%Rec	1	9/11/2021 2:57:00 AM	62460
EPA METHOD 8021B: VOLATILES					Analys	t: mb
Benzene	ND	0.024	mg/Kg	1	9/11/2021 2:57:00 AM	62460
Toluene	ND	0.048	mg/Kg	1	9/11/2021 2:57:00 AM	62460
Ethylbenzene	ND	0.048	mg/Kg	1	9/11/2021 2:57:00 AM	62460
Xylenes, Total	ND	0.096	mg/Kg	1	9/11/2021 2:57:00 AM	62460
Surr: 4-Bromofluorobenzene	82.8	70-130	%Rec	1	9/11/2021 2:57:00 AM	62460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 37

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-2/1'		
Project: Patrick API 5	Collection Date: 9/3/2021 8:07:00 AM						
Lab ID: 2109229-005	Matrix: SOIL		Received Date: 9/4/2021 8:30:00 A				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	1100	60	mg/Kg	20	9/13/2021 7:13:51 PM	62531	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/10/2021 1:30:28 PM	62471	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/10/2021 1:30:28 PM	62471	
Surr: DNOP	107	70-130	%Rec	1	9/10/2021 1:30:28 PM	62471	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 3:17:00 AM	62460	
Surr: BFB	93.1	70-130	%Rec	1	9/11/2021 3:17:00 AM	62460	
EPA METHOD 8021B: VOLATILES					Analyst	: mb	
Benzene	ND	0.025	mg/Kg	1	9/11/2021 3:17:00 AM	62460	
Toluene	ND	0.049	mg/Kg	1	9/11/2021 3:17:00 AM	62460	
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 3:17:00 AM	62460	
Xylenes, Total	ND	0.098	mg/Kg	1	9/11/2021 3:17:00 AM	62460	
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	9/11/2021 3:17:00 AM	62460	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 37

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-2/4'		
Project: Patrick API 5	Collection Date: 9/3/2021 8:12:00 AM						
Lab ID: 2109229-006	Matrix: SOIL		Received Dat	e: 9 /4	/2021 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	: VP	
Chloride	180	60	mg/Kg	20	9/13/2021 7:26:13 PM	62531	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	: SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/10/2021 1:40:16 PM	62471	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/10/2021 1:40:16 PM	62471	
Surr: DNOP	100	70-130	%Rec	1	9/10/2021 1:40:16 PM	62471	
EPA METHOD 8015D: GASOLINE RANGE	E				Analys	: mb	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/11/2021 3:37:00 AM	62460	
Surr: BFB	94.4	70-130	%Rec	1	9/11/2021 3:37:00 AM	62460	
EPA METHOD 8021B: VOLATILES					Analys	t: mb	
Benzene	ND	0.023	mg/Kg	1	9/11/2021 3:37:00 AM	62460	
Toluene	ND	0.046	mg/Kg	1	9/11/2021 3:37:00 AM	62460	
Ethylbenzene	ND	0.046	mg/Kg	1	9/11/2021 3:37:00 AM	62460	
Xylenes, Total	ND	0.093	mg/Kg	1	9/11/2021 3:37:00 AM	62460	
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	9/11/2021 3:37:00 AM	62460	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG	Client Sample ID: TH-3/Surface						
Project: Patrick API 5	Collection Date: 9/3/2021 8:23:00 AM						
Lab ID: 2109229-007	Matrix: SOIL	Received Date: 9/4/2021 8:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	200	59	mg/Kg	20	9/13/2021 7:38:35 PM	62531	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/9/2021 10:26:36 AM	62472	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/9/2021 10:26:36 AM	62472	
Surr: DNOP	82.2	70-130	%Rec	1	9/9/2021 10:26:36 AM	62472	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2021 3:57:32 PM	62468	
Surr: BFB	105	70-130	%Rec	1	9/10/2021 3:57:32 PM	62468	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	9/10/2021 3:57:32 PM	62468	
Toluene	ND	0.049	mg/Kg	1	9/10/2021 3:57:32 PM	62468	
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2021 3:57:32 PM	62468	
Xylenes, Total	ND	0.099	mg/Kg	1	9/10/2021 3:57:32 PM	62468	
Surr: 4-Bromofluorobenzene	94.2	70-130	%Rec	1	9/10/2021 3:57:32 PM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 7 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-3/4'		
Project: Patrick API 5	Collection Date: 9/3/2021 8:31:00 AM						
Lab ID: 2109229-008	Matrix: SOIL		/2021 8:30:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	100	60	mg/Kg	20	9/13/2021 7:50:56 PM	62531	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/9/2021 10:55:31 AM	62472	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/9/2021 10:55:31 AM	62472	
Surr: DNOP	74.1	70-130	%Rec	1	9/9/2021 10:55:31 AM	62472	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/10/2021 6:21:33 PM	62468	
Surr: BFB	103	70-130	%Rec	1	9/10/2021 6:21:33 PM	62468	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	9/10/2021 6:21:33 PM	62468	
Toluene	ND	0.050	mg/Kg	1	9/10/2021 6:21:33 PM	62468	
Ethylbenzene	ND	0.050	mg/Kg	1	9/10/2021 6:21:33 PM	62468	
Xylenes, Total	ND	0.099	mg/Kg	1	9/10/2021 6:21:33 PM	62468	
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	9/10/2021 6:21:33 PM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cli	ient Sample II): TH	I-4/Surface	
Project: Patrick API 5		0	Collection Date	e:9/3	3/2021 8:36:00 AM	
Lab ID: 2109229-009	Matrix: SOIL Received Date: 9/4/2021 8:30:0					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	60	mg/Kg	20	9/13/2021 8:34:08 PM	62532
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	200	9.7	mg/Kg	1	9/9/2021 11:05:12 AM	62472
Motor Oil Range Organics (MRO)	380	49	mg/Kg	1	9/9/2021 11:05:12 AM	62472
Surr: DNOP	96.2	70-130	%Rec	1	9/9/2021 11:05:12 AM	62472
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/10/2021 7:33:17 PM	62468
Surr: BFB	99.4	70-130	%Rec	1	9/10/2021 7:33:17 PM	62468
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	9/10/2021 7:33:17 PM	62468
Toluene	ND	0.050	mg/Kg	1	9/10/2021 7:33:17 PM	62468
Ethylbenzene	ND	0.050	mg/Kg	1	9/10/2021 7:33:17 PM	62468
Xylenes, Total	ND	0.099	mg/Kg	1	9/10/2021 7:33:17 PM	62468
Surr: 4-Bromofluorobenzene	90.6	70-130	%Rec	1	9/10/2021 7:33:17 PM	62468

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-4/2'			
Project: Patrick API 5	Collection Date: 9/3/2021 8:41:00 AM							
Lab ID: 2109229-010	Matrix: SOIL		Received Date: 9/4/2021 8:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	60	mg/Kg	20	9/13/2021 9:11:21 PM	62532		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/9/2021 11:53:11 AM	62472		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 11:53:11 AM	62472		
Surr: DNOP	81.1	70-130	%Rec	1	9/9/2021 11:53:11 AM	62472		
EPA METHOD 8015D: GASOLINE RANGE	I				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2021 7:57:06 PM	62468		
Surr: BFB	102	70-130	%Rec	1	9/10/2021 7:57:06 PM	62468		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.025	mg/Kg	1	9/10/2021 7:57:06 PM	62468		
Toluene	ND	0.049	mg/Kg	1	9/10/2021 7:57:06 PM	62468		
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2021 7:57:06 PM	62468		
Xylenes, Total	ND	0.098	mg/Kg	1	9/10/2021 7:57:06 PM	62468		
Surr: 4-Bromofluorobenzene	92.7	70-130	%Rec	1	9/10/2021 7:57:06 PM	62468		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
 - Reporting Limit

Page 10 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported:	9/20/2021
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CLIENT: EOG	Client Sample ID: TH-5/Surface						
Project: Patrick API 5	Collection Date: 9/3/2021 8:47:00 AM						
Lab ID: 2109229-011	Matrix: SOIL		Received Dat	e: 9 /4	/2021 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	9/13/2021 9:23:45 PM	62532	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/9/2021 12:02:47 PM	62472	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/9/2021 12:02:47 PM	62472	
Surr: DNOP	84.6	70-130	%Rec	1	9/9/2021 12:02:47 PM	62472	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	II: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2021 8:20:51 PM	62468	
Surr: BFB	101	70-130	%Rec	1	9/10/2021 8:20:51 PM	62468	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.025	mg/Kg	1	9/10/2021 8:20:51 PM	62468	
Toluene	ND	0.049	mg/Kg	1	9/10/2021 8:20:51 PM	62468	
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2021 8:20:51 PM	62468	
Xylenes, Total	ND	0.098	mg/Kg	1	9/10/2021 8:20:51 PM	62468	
Surr: 4-Bromofluorobenzene	91.8	70-130	%Rec	1	9/10/2021 8:20:51 PM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 11 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cli	ient Sample II	D: TH	I-5/2'		
Project: Patrick API 5	Collection Date: 9/3/2021 8:55:00 AM						
Lab ID: 2109229-012	Matrix: SOIL		Received Dat	e: 9/4	/2021 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	72	60	mg/Kg	20	9/13/2021 10:00:58 PM	62532	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/9/2021 12:12:26 PM	62472	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 12:12:26 PM	62472	
Surr: DNOP	83.7	70-130	%Rec	1	9/9/2021 12:12:26 PM	62472	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/10/2021 8:44:35 PM	62468	
Surr: BFB	99.4	70-130	%Rec	1	9/10/2021 8:44:35 PM	62468	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.023	mg/Kg	1	9/10/2021 8:44:35 PM	62468	
Toluene	ND	0.047	mg/Kg	1	9/10/2021 8:44:35 PM	62468	
Ethylbenzene	ND	0.047	mg/Kg	1	9/10/2021 8:44:35 PM	62468	
Xylenes, Total	ND	0.093	mg/Kg	1	9/10/2021 8:44:35 PM	62468	
Surr: 4-Bromofluorobenzene	90.9	70-130	%Rec	1	9/10/2021 8:44:35 PM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit

Page 12 of 37

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Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

9/10/2021 9:08:18 PM 62468

CLIENT: EOG		Cli	ient Sample II	D: TH	I-6/Surface	
Project: Patrick API 5		(Collection Dat	e: 9/3	3/2021 9:13:00 AM	
Lab ID: 2109229-013	Matrix: SOIL		Received Dat	e: 9/4	/2021 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	4900	300	mg/Kg	100) 9/14/2021 8:06:59 AM	62532
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/9/2021 12:22:07 PM	62472
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 12:22:07 PM	62472
Surr: DNOP	97.5	70-130	%Rec	1	9/9/2021 12:22:07 PM	62472
EPA METHOD 8015D: GASOLINE RAN	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/10/2021 9:08:18 PM	62468
Surr: BFB	99.0	70-130	%Rec	1	9/10/2021 9:08:18 PM	62468
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/10/2021 9:08:18 PM	62468
Toluene	ND	0.048	mg/Kg	1	9/10/2021 9:08:18 PM	62468
Ethylbenzene	ND	0.048	mg/Kg	1	9/10/2021 9:08:18 PM	62468
Xylenes, Total	ND	0.096	mg/Kg	1	9/10/2021 9:08:18 PM	62468

90.9

70-130

%Rec

1

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р
- RL Reporting Limit

Page 13 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-6/1'		
Project: Patrick API 5	Collection Date: 9/3/2021 9:15:00 AM						
Lab ID: 2109229-014	Matrix: SOIL		Received Dat	e: 9 /4	/2021 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	120	59	mg/Kg	20	9/13/2021 10:25:46 PM	62532	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/9/2021 12:31:48 PM	62472	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 12:31:48 PM	62472	
Surr: DNOP	86.9	70-130	%Rec	1	9/9/2021 12:31:48 PM	62472	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/10/2021 9:31:56 PM	62468	
Surr: BFB	100	70-130	%Rec	1	9/10/2021 9:31:56 PM	62468	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.023	mg/Kg	1	9/10/2021 9:31:56 PM	62468	
Toluene	ND	0.047	mg/Kg	1	9/10/2021 9:31:56 PM	62468	
Ethylbenzene	ND	0.047	mg/Kg	1	9/10/2021 9:31:56 PM	62468	
Xylenes, Total	ND	0.093	mg/Kg	1	9/10/2021 9:31:56 PM	62468	
Surr: 4-Bromofluorobenzene	92.5	70-130	%Rec	1	9/10/2021 9:31:56 PM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 14 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-7/Surface	
Project: Patrick API 5	Collection Date: 9/3/2021 9:25:00 AM					
Lab ID: 2109229-015	Matrix: SOIL		Received Dat	e: 9/4	4/2021 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	ND	59	mg/Kg	20	9/13/2021 11:02:59 PM	62532
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB
Diesel Range Organics (DRO)	62	9.9	mg/Kg	1	9/9/2021 12:41:31 PM	62472
Motor Oil Range Organics (MRO)	130	49	mg/Kg	1	9/9/2021 12:41:31 PM	62472
Surr: DNOP	91.2	70-130	%Rec	1	9/9/2021 12:41:31 PM	62472
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2021 9:55:31 PM	62468
Surr: BFB	98.1	70-130	%Rec	1	9/10/2021 9:55:31 PM	62468
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/10/2021 9:55:31 PM	62468
Toluene	ND	0.049	mg/Kg	1	9/10/2021 9:55:31 PM	62468
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2021 9:55:31 PM	62468
Xylenes, Total	ND	0.097	mg/Kg	1	9/10/2021 9:55:31 PM	62468
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec	1	9/10/2021 9:55:31 PM	62468

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 15 of 37

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II): TH	H-7/2'			
Project: Patrick API 5	Collection Date: 9/3/2021 9:29:00 AM							
Lab ID: 2109229-016	Matrix: SOIL		Received Dat	e: 9/4	4/2021 8:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	VP		
Chloride	610	60	mg/Kg	20	9/13/2021 11:15:24 PM	62532		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB		
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	9/9/2021 12:51:16 PM	62472		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/9/2021 12:51:16 PM	62472		
Surr: DNOP	89.5	70-130	%Rec	1	9/9/2021 12:51:16 PM	62472		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2021 10:19:03 PM	62468		
Surr: BFB	97.2	70-130	%Rec	1	9/10/2021 10:19:03 PM	62468		
EPA METHOD 8021B: VOLATILES					Analyst:	NSB		
Benzene	ND	0.024	mg/Kg	1	9/10/2021 10:19:03 PM	62468		
Toluene	ND	0.049	mg/Kg	1	9/10/2021 10:19:03 PM	62468		
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2021 10:19:03 PM	62468		
Xylenes, Total	ND	0.098	mg/Kg	1	9/10/2021 10:19:03 PM	62468		
Surr: 4-Bromofluorobenzene	89.4	70-130	%Rec	1	9/10/2021 10:19:03 PM	62468		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
 - Reporting Limit

Page 16 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II): TH	-8/1'		
Project: Patrick API 5	Collection Date: 9/3/2021 9:42:00 AM						
Lab ID: 2109229-017	Matrix: SOIL		Received Date	e: 9/4	/2021 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	8000	300	mg/Kg	100	9/14/2021 8:19:23 AM	62532	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/9/2021 1:01:01 PM	62472	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 1:01:01 PM	62472	
Surr: DNOP	106	70-130	%Rec	1	9/9/2021 1:01:01 PM	62472	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/10/2021 10:42:35 PM	62468	
Surr: BFB	99.8	70-130	%Rec	1	9/10/2021 10:42:35 PM	62468	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.024	mg/Kg	1	9/10/2021 10:42:35 PM	62468	
Toluene	ND	0.048	mg/Kg	1	9/10/2021 10:42:35 PM	62468	
Ethylbenzene	ND	0.048	mg/Kg	1	9/10/2021 10:42:35 PM	62468	
Xylenes, Total	ND	0.096	mg/Kg	1	9/10/2021 10:42:35 PM	62468	
Surr: 4-Bromofluorobenzene	91.8	70-130	%Rec	1	9/10/2021 10:42:35 PM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 17 of 37

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II): TH	I-8/4'		
Project: Patrick API 5	Collection Date: 9/3/2021 9:51:00 AM						
Lab ID: 2109229-018	Matrix: SOIL	Received Date: 9/4/2021 8:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	: VP	
Chloride	3400	150	mg/Kg	50	9/14/2021 8:31:48 AM	62532	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	: SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/9/2021 1:10:47 PM	62472	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 1:10:47 PM	62472	
Surr: DNOP	105	70-130	%Rec	1	9/9/2021 1:10:47 PM	62472	
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2021 11:53:03 PM	62468	
Surr: BFB	97.3	70-130	%Rec	1	9/10/2021 11:53:03 PM	62468	
EPA METHOD 8021B: VOLATILES					Analys	: NSB	
Benzene	ND	0.025	mg/Kg	1	9/10/2021 11:53:03 PM	62468	
Toluene	ND	0.049	mg/Kg	1	9/10/2021 11:53:03 PM	62468	
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2021 11:53:03 PM	62468	
Xylenes, Total	ND	0.099	mg/Kg	1	9/10/2021 11:53:03 PM	62468	
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	9/10/2021 11:53:03 PM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 18 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		C	ient Sample II	D: TH	I-8/14'		
Project: Patrick API 5	Collection Date: 9/3/2021 10:27:00 AM						
Lab ID: 2109229-019	Matrix: SOIL		Received Dat	e: 9 /4	/2021 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	VP	
Chloride	230	59	mg/Kg	20	9/13/2021 11:52:37 PM	62532	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/9/2021 1:20:34 PM	62472	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/9/2021 1:20:34 PM	62472	
Surr: DNOP	101	70-130	%Rec	1	9/9/2021 1:20:34 PM	62472	
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/11/2021 12:16:40 AM	62468	
Surr: BFB	98.1	70-130	%Rec	1	9/11/2021 12:16:40 AM	62468	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.023	mg/Kg	1	9/11/2021 12:16:40 AM	62468	
Toluene	ND	0.046	mg/Kg	1	9/11/2021 12:16:40 AM	62468	
Ethylbenzene	ND	0.046	mg/Kg	1	9/11/2021 12:16:40 AM	62468	
Xylenes, Total	ND	0.092	mg/Kg	1	9/11/2021 12:16:40 AM	62468	
Surr: 4-Bromofluorobenzene	90.3	70-130	%Rec	1	9/11/2021 12:16:40 AM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 19 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-9/Surface	
Project: Patrick API 5		(Collection Dat	e: 9/3	3/2021 10:35:00 AM	
Lab ID: 2109229-020	Matrix: SOIL		Received Dat	e: 9/4	4/2021 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	VP
Chloride	ND	60	mg/Kg	20	9/14/2021 12:05:02 AM	62532
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/9/2021 1:30:22 PM	62472
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/9/2021 1:30:22 PM	62472
Surr: DNOP	115	70-130	%Rec	1	9/9/2021 1:30:22 PM	62472
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 12:40:09 AM	62468
Surr: BFB	98.8	70-130	%Rec	1	9/11/2021 12:40:09 AM	62468
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	9/11/2021 12:40:09 AM	62468
Toluene	ND	0.049	mg/Kg	1	9/11/2021 12:40:09 AM	62468
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 12:40:09 AM	62468
Xylenes, Total	ND	0.097	mg/Kg	1	9/11/2021 12:40:09 AM	62468
Surr: 4-Bromofluorobenzene	90.8	70-130	%Rec	1	9/11/2021 12:40:09 AM	62468

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 20 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		Cl	ient Sample II	D: TH	I-9/4'		
Project: Patrick API 5	Collection Date: 9/3/2021 10:41:00 AM						
Lab ID: 2109229-021	Matrix: SOIL		Received Dat	e: 9/4	4/2021 8:30:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst:	VP	
Chloride	220	60	mg/Kg	20	9/14/2021 12:17:26 AM	62532	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	SB	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/9/2021 1:40:10 PM	62472	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/9/2021 1:40:10 PM	62472	
Surr: DNOP	94.6	70-130	%Rec	1	9/9/2021 1:40:10 PM	62472	
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/11/2021 1:03:35 AM	62468	
Surr: BFB	97.1	70-130	%Rec	1	9/11/2021 1:03:35 AM	62468	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	9/11/2021 1:03:35 AM	62468	
Toluene	ND	0.048	mg/Kg	1	9/11/2021 1:03:35 AM	62468	
Ethylbenzene	ND	0.048	mg/Kg	1	9/11/2021 1:03:35 AM	62468	
Xylenes, Total	ND	0.096	mg/Kg	1	9/11/2021 1:03:35 AM	62468	
Surr: 4-Bromofluorobenzene	88.9	70-130	%Rec	1	9/11/2021 1:03:35 AM	62468	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
 - Reporting Limit

Page 21 of 37

Project: Patrick API 5

CLIENT: EOG

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2109229** Date Reported: **9/20/2021**

Client Sample ID: TH-10/Surface
Collection Date: 9/3/2021 10:46:00 AM
Received Date: 9/4/2021 8:30:00 AM

Lab ID: 2109229-022	Matrix: SOIL		Received Dat	e: 9/4	4/2021 8:30:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	VP
Chloride	ND	60	mg/Kg	20	9/14/2021 12:29:50 AM	62532
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/9/2021 1:49:59 PM	62472
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 1:49:59 PM	62472
Surr: DNOP	80.4	70-130	%Rec	1	9/9/2021 1:49:59 PM	62472
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 1:27:05 AM	62468
Surr: BFB	96.7	70-130	%Rec	1	9/11/2021 1:27:05 AM	62468
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	9/11/2021 1:27:05 AM	62468
Toluene	ND	0.049	mg/Kg	1	9/11/2021 1:27:05 AM	62468
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 1:27:05 AM	62468
Xylenes, Total	ND	0.097	mg/Kg	1	9/11/2021 1:27:05 AM	62468
Surr: 4-Bromofluorobenzene	88.8	70-130	%Rec	1	9/11/2021 1:27:05 AM	62468

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit
- Page 22 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG	Client Sample ID: TH-10/2'							
Project: Patrick API 5	Collection Date: 9/3/2021 10:50:00 AM							
Lab ID: 2109229-023	Matrix: SOIL		Received Date	e: 9/4	4/2021 8:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	VP		
Chloride	200	59	mg/Kg	20	9/14/2021 12:42:15 AM	62532		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/10/2021 10:53:25 AM	62472		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/10/2021 10:53:25 AM	62472		
Surr: DNOP	72.1	70-130	%Rec	1	9/10/2021 10:53:25 AM	62472		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 1:50:37 AM	62468		
Surr: BFB	100	70-130	%Rec	1	9/11/2021 1:50:37 AM	62468		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Benzene	ND	0.025	mg/Kg	1	9/11/2021 1:50:37 AM	62468		
Toluene	ND	0.049	mg/Kg	1	9/11/2021 1:50:37 AM	62468		
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 1:50:37 AM	62468		
Xylenes, Total	ND	0.099	mg/Kg	1	9/11/2021 1:50:37 AM	62468		
Surr: 4-Bromofluorobenzene	91.7	70-130	%Rec	1	9/11/2021 1:50:37 AM	62468		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 23 of 37

Surr: 4-Bromofluorobenzene

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

9/11/2021 2:14:00 AM 62468

CLIENT: EOG	Client Sample ID: TH-11/Surface							
Project: Patrick API 5	Collection Date: 9/3/2021 11:06:00 AM							
Lab ID: 2109229-024	Matrix: SOIL Received Date: 9/4/2021 8:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	VP		
Chloride	ND	60	mg/Kg	20	9/14/2021 12:54:39 AM	62532		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	SB		
Diesel Range Organics (DRO)	9.5	9.2	mg/Kg	1	9/9/2021 2:09:55 PM	62472		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	9/9/2021 2:09:55 PM	62472		
Surr: DNOP	81.6	70-130	%Rec	1	9/9/2021 2:09:55 PM	62472		
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 2:14:00 AM	62468		
Surr: BFB	96.2	70-130	%Rec	1	9/11/2021 2:14:00 AM	62468		
EPA METHOD 8021B: VOLATILES					Analyst:	NSB		
Benzene	ND	0.025	mg/Kg	1	9/11/2021 2:14:00 AM	62468		
Toluene	ND	0.049	mg/Kg	1	9/11/2021 2:14:00 AM	62468		
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 2:14:00 AM	62468		
Xylenes, Total	ND	0.099	mg/Kg	1	9/11/2021 2:14:00 AM	62468		

88.2

70-130

%Rec

1

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Page 24 of 37

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG	Client Sample ID: TH-11/5'								
Project: Patrick API 5	Collection Date: 9/3/2021 11:17:00 AM								
Lab ID: 2109229-025	Matrix: SOIL Received Date: 9/4/2021 8:30:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: VP			
Chloride	ND	60	mg/Kg	20	9/14/2021 1:31:52 AM	62532			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	9/9/2021 2:29:36 PM	62472			
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	9/9/2021 2:29:36 PM	62472			
Surr: DNOP	88.5	70-130	%Rec	1	9/9/2021 2:29:36 PM	62472			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2021 2:37:27 AM	62468			
Surr: BFB	97.1	70-130	%Rec	1	9/11/2021 2:37:27 AM	62468			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.025	mg/Kg	1	9/11/2021 2:37:27 AM	62468			
Toluene	ND	0.049	mg/Kg	1	9/11/2021 2:37:27 AM	62468			
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2021 2:37:27 AM	62468			
Xylenes, Total	ND	0.099	mg/Kg	1	9/11/2021 2:37:27 AM	62468			
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	9/11/2021 2:37:27 AM	62468			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р
- RL Reporting Limit

Page 25 of 37

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

CLIENT: EOG		CI	iont Somnlo II). TI	J 11/10'			
Project: Patrick API 5	Client Sample ID: TH-11/10' Collection Date: 9/3/2021 11:21:00 AM							
Lab ID: 2109229-026	Matrix: SOIL	,			4/2021 8:30:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: VP		
Chloride	ND	60	mg/Kg	20	9/14/2021 1:44:16 AM	62532		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	SB		
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/9/2021 2:39:33 PM	62472		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/9/2021 2:39:33 PM	62472		
Surr: DNOP	93.2	70-130	%Rec	1	9/9/2021 2:39:33 PM	62472		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/11/2021 3:00:56 AM	62468		
Surr: BFB	97.7	70-130	%Rec	1	9/11/2021 3:00:56 AM	62468		
EPA METHOD 8021B: VOLATILES					Analyst	: NSB		
Benzene	ND	0.025	mg/Kg	1	9/11/2021 3:00:56 AM	62468		
Toluene	ND	0.050	mg/Kg	1	9/11/2021 3:00:56 AM	62468		
Ethylbenzene	ND	0.050	mg/Kg	1	9/11/2021 3:00:56 AM	62468		
Xylenes, Total	ND	0.099	mg/Kg	1	9/11/2021 3:00:56 AM	62468		
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	9/11/2021 3:00:56 AM	62468		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 26 of 37

Project: Patrick API 5

CLIENT: EOG

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

Client Sample ID: TH-12/Surface Collection Date: 9/3/2021 11:25:00 AM noiwad Data: 0/4/2021 8:20:00 AM ъ

Lab ID: 2109229-027	Matrix: SOIL	Received Date: 9/4/2021 8:30:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: VP	
Chloride	ND	60	mg/Kg	20	9/14/2021 1:56:40 AM	62532	
EPA METHOD 8015D MOD: GASOLIN	IE RANGE				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/10/2021 2:53:07 PM	62470	
Surr: BFB	105	70-130	%Rec	1	9/10/2021 2:53:07 PM	62470	
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst	SB	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/10/2021 7:46:00 PM	62482	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/10/2021 7:46:00 PM	62482	
Surr: DNOP	80.6	70-130	%Rec	1	9/10/2021 7:46:00 PM	62482	
EPA METHOD 8260B: VOLATILES SH	HORT LIST				Analyst	RAA	
Benzene	ND	0.025	mg/Kg	1	9/10/2021 2:53:07 PM	62470	
Toluene	ND	0.050	mg/Kg	1	9/10/2021 2:53:07 PM	62470	
Ethylbenzene	ND	0.050	mg/Kg	1	9/10/2021 2:53:07 PM	62470	
Xylenes, Total	ND	0.10	mg/Kg	1	9/10/2021 2:53:07 PM	62470	
Surr: 1,2-Dichloroethane-d4	99.7	70-130	%Rec	1	9/10/2021 2:53:07 PM	62470	
Surr: 4-Bromofluorobenzene	93.0	70-130	%Rec	1	9/10/2021 2:53:07 PM	62470	
Surr: Dibromofluoromethane	102	70-130	%Rec	1	9/10/2021 2:53:07 PM	62470	
Surr: Toluene-d8	108	70-130	%Rec	1	9/10/2021 2:53:07 PM	62470	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 27 of 37

Surr: Toluene-d8

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109229

Date Reported: 9/20/2021

9/10/2021 4:20:19 PM 62470

CLIENT: EOG		Cl	ient Sample II): TH	H-12/1'				
Project: Patrick API 5	Collection Date: 9/3/2021 11:27:00 AM								
Lab ID: 2109229-028	Matrix: SOIL	4/2021 8:30:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: VP			
Chloride	ND	61	mg/Kg	20	9/14/2021 2:09:05 AM	62532			
EPA METHOD 8015D MOD: GASC	DLINE RANGE				Analyst	RAA			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2021 4:20:19 PM	62470			
Surr: BFB	109	70-130	%Rec	1	9/10/2021 4:20:19 PM	62470			
EPA METHOD 8015M/D: DIESEL	RANGE ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/10/2021 8:15:38 PM	62482			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/10/2021 8:15:38 PM	62482			
Surr: DNOP	106	70-130	%Rec	1	9/10/2021 8:15:38 PM	62482			
EPA METHOD 8260B: VOLATILES	S SHORT LIST				Analyst	RAA			
Benzene	ND	0.025	mg/Kg	1	9/10/2021 4:20:19 PM	62470			
Toluene	ND	0.049	mg/Kg	1	9/10/2021 4:20:19 PM	62470			
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2021 4:20:19 PM	62470			
Xylenes, Total	ND	0.099	mg/Kg	1	9/10/2021 4:20:19 PM	62470			
Surr: 1,2-Dichloroethane-d4	99.3	70-130	%Rec	1	9/10/2021 4:20:19 PM	62470			
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	9/10/2021 4:20:19 PM	62470			
Surr: Dibromofluoromethane	108	70-130	%Rec	1	9/10/2021 4:20:19 PM	62470			

107

70-130

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits

%Rec 1

- Р Sample pH Not In Range
- RL Reporting Limit

Page 28 of 37

Batch ID: 62531

Analysis Date: 9/13/2021

PQL

1.5

Result

14

E	RY REPORT ental Analysis Laborat	ory, Inc.	WO#:	210922 20-Sep-2
Client: EOO Project: Patr	G ick API 5			
Sample ID: MB-62532	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 62532	RunNo: 81207		
Prep Date: 9/13/2021	Analysis Date: 9/13/2021	SeqNo: 2868252	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Chloride	ND 1.5			
Sample ID: LCS-62532	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 62532	RunNo: 81207		
Prep Date: 9/13/2021	Analysis Date: 9/13/2021	SeqNo: 2868253	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Chloride	14 1.5 15.00	0 95.4 90	110	
Sample ID: MB-62531	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 62531	RunNo: 81222		
Prep Date: 9/13/2021	Analysis Date: 9/13/2021	SeqNo: 2868437	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Chloride	ND 1.5			
Sample ID: LCS-62531	SampType: LCS	TestCode: EPA Method	300.0: Anions	

SPK value SPK Ref Val %REC

0

15.00

Qualifiers:

Client ID: LCSS

Analyte

Chloride

Prep Date: 9/13/2021

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank В

RunNo: 81222

93.0

SeqNo: 2868438

LowLimit

90

Units: mg/Kg

110

%RPD

RPDLimit

Qual

HighLimit

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 29 of 37

EOG

Patrick API 5

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Sample ID: LCS-62465	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 62465	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2864692	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	52 10 50.00	0 104 68.9	135
Surr: DNOP	4.3 5.000	86.2 70	130
Sample ID: LCS-62472	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 62472	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2864693	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	47 10 50.00	0 94.5 68.9	135
Surr: DNOP	4.9 5.000	98.1 70	130
Sample ID: MB-62465	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 62465	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2864694	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	14 10.00	135 70	130 S
Sample ID: MB-62472	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 62472	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2864695	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	11 10.00	110 70	130
Sample ID: LCS-62445	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 62445	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2865704	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	3.6 5.000	72.6 70	130

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 30 of 37

WO#: 2109229 20-Sep-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

I KEPURI	WO#:	2109229	
tal Analysis Laboratory, Inc.		20-Sep-21	

Client: EOG Project: Patrick	API 5		
Sample ID: LCS-62457	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 62457	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2865705	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.3 5.000	85.8 70	130
Sample ID: MB-62445	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 62445	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2865706	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.0 10.00	90.1 70	130
Sample ID: MB-62457	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 62457	RunNo: 81156	
Prep Date: 9/8/2021	Analysis Date: 9/9/2021	SeqNo: 2865707	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	11 10.00	109 70	130
Sample ID: LCS-62471	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 62471	RunNo: 81181	
Prep Date: 9/9/2021	Analysis Date: 9/10/2021	SeqNo: 2867171	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44 10 50.00	0 88.1 68.9	135
Surr: DNOP	4.6 5.000	91.8 70	130
Sample ID: LCS-62482	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 62482	RunNo: 81181	
Prep Date: 9/9/2021	Analysis Date: 9/10/2021	SeqNo: 2867172	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	42 10 50.00	0 83.3 68.9	135
Surr: DNOP	4.4 5.000	87.4 70	130
Sample ID: MB-62471	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 62471	RunNo: 81181	
Prep Date: 9/9/2021	Analysis Date: 9/10/2021	SeqNo: 2867174	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 10 10.00	104 70	130

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Motor Oil Range Organics (MRO)

Surr: DNOP

ND

9.8

50

10.00

2109229

WO#:

Hall Environme	ental Anal	ysis l	Laborat	ory, Inc.						20-Sep-21
Client: EOC	G									
Project: Patr	rick API 5									
Sample ID: MB-62482	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 624	482	F	RunNo: 8	1181				
Prep Date: 9/9/2021	Analysis D)ate: 9/	10/2021	5	SeqNo: 2	867175	Units: mg/K	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

98.0

70

130

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 32 of 37

QC SUMMARY REPORT Hall Enviro

	WO#:	2109229
onmental Analysis Laboratory, Inc.		20-Sep-21

Client: Project:	EOG Patrick	ADI 5									
Sample ID: mb	-62468	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	S	Batch	n ID: 624	468	F	RunNo: 8	1194				
Prep Date: 9/8	8/2021	Analysis D	0ate: 9/	10/2021	5	SeqNo: 28	866643	Units: mg/k	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	ganics (GRO)	ND	5.0								
Surr: BFB		1100		1000		105	70	130			
Sample ID: Ics-	-62468	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCS	SS	Batch	n ID: 62	468	F	RunNo: 8 /	1194				
Prep Date: 9/8	8/2021	Analysis D)ate: 9/	10/2021	S	SeqNo: 28	866644	Units: mg/#	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	ganics (GRO)	29	5.0	25.00	0	115	78.6	131			
Surr: BFB		1100		1000		114	70	130			
Sample ID: mb-	-62460	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: PB	S	Batch	n ID: 624	460	F	RunNo: 8 4	1208				
Prep Date: 9/8	8/2021	Analysis D)ate: 9/	10/2021	5	SeqNo: 28	866769	Units: mg/k	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	ganics (GRO)	ND	5.0								
Surr: BFB		880		1000		88.0	70	130			
Sample ID: Ics-	-62460	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCS	SS	Batch	n ID: 624	460	F	RunNo: 8 4	1208				
Prep Date: 9/8	8/2021	Analysis D)ate: 9/	10/2021	S	SeqNo: 28	866771	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Org	ganics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB		1000		1000		102	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 33 of 37

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

I KEFUKI	WO#:	2109229
tal Analysis Laboratory, Inc.		20-Sep-21

Client: Project:	EOG Patrick A	API 5									
Sample ID:	mb-62468	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batc	h ID: 624	468	F	RunNo: 8	1194				
Prep Date:	9/8/2021	Analysis E	Date: 9/	10/2021	5	SeqNo: 2	866705	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	0.95		1.000		94.7	70	130			
Sample ID:	LCS-62468	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 624	468	F	RunNo: 8	1194				
Prep Date:	9/8/2021	Analysis [Date: 9/	10/2021	S	SeqNo: 2	866706	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.89	0.025	1.000	0	88.8	80	120			
Toluene		0.90	0.050	1.000	0	89.9	80	120			
Ethylbenzene		0.90	0.050	1.000	0	89.6	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.5	80	120			
Surr: 4-Brom	nofluorobenzene	0.94		1.000		93.8	70	130			
Sample ID:	mb-62460	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batc	h ID: 624	460	F	RunNo: 8	1208				
Prep Date:	9/8/2021	Analysis [Date: 9/	10/2021	S	SeqNo: 2	866837	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	0.80		1.000		80.0	70	130			
Sample ID:	lcs-62460	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 62	460	F	RunNo: 8	1208				
Prep Date:	9/8/2021	Analysis [Date: 9/	10/2021	S	SeqNo: 2	866839	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.86	0.025	1.000	0	85.6	80	120			
Toluene		0.85	0.050	1.000	0	85.4	80	120			
Ethylbenzene		0.86	0.050	1.000	0	86.5	80	120			
Xylenes, Total		2.6	0.10	3.000	0	86.8	80	120			
Surr: 4-Brom	nofluorobenzene	0.81		1.000		81.5	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2109229
	20-Sep-21

Client: EOC Project: Patri	G ick API 5									
Sample ID: mb-62470	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: PBS		ch ID: 62		F	RunNo: 8 '	1220				
Prep Date: 9/8/2021	Analysis				SeqNo: 2	-	Units: mg/k	(a		
-							J. J	•		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		100	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.5	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		101	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			
Sample ID: Ics-62470	Samp	Type: LC	S4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: BatchQC	Bate	ch ID: 62	470	F	RunNo: 8	1220				
Prep Date: 9/8/2021	Analysis	Date: 9/	10/2021	S	SeqNo: 2	867405	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	0.99	0.050	1.000	0	99.4	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		97.0	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.3	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.4	70	130			
Surr: Toluene-d8	0.53		0.5000		107	70	130			
Sample ID: 2109229-028	ams Samp	Туре: МS	54	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: TH-12/1'		ch ID: 624		F	RunNo: 8 '	1220				
Prep Date: 9/8/2021	Analysis	Date: 9/	10/2021	S	SeqNo: 2	867407	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9488	0	104	73.5	138			
Toluene	0.92	0.047	0.9488	0	97.3	83	131			
Ethylbenzene	0.94	0.047	0.9488	0	99.5	84.9	132			
Xylenes, Total	2.7	0.095	2.846	0	96.5	79.6	144			
Surr: 1,2-Dichloroethane-d4	0.49		0.4744		102	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.4744		99.6	70	130			
Surr: Dibromofluoromethane	0.51		0.4744		107	70	130			
Surr: Toluene-d8	0.51		0.4744		107	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: EOG Project: Patric

Patrick API 5

Sample ID: 2109229-028ams	sd Samp	Гуре: МS	SD4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: TH-12/1'	Batc	h ID: 624	470	F	RunNo: 8	1220				
Prep Date: 9/8/2021	Analysis [Date: 9/	10/2021	5	SeqNo: 2	867409	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9747	0	106	73.5	138	4.59	20	
Toluene	0.98	0.049	0.9747	0	100	83	131	5.63	20	
Ethylbenzene	1.0	0.049	0.9747	0	104	84.9	132	7.11	20	
Xylenes, Total	3.0	0.097	2.924	0	102	79.6	144	8.21	20	
Surr: 1,2-Dichloroethane-d4	0.51		0.4873		104	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.4873		99.4	70	130	0	0	
Surr: Dibromofluoromethane	0.53		0.4873		109	70	130	0	0	
Surr: Toluene-d8	0.52		0.4873		107	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 36 of 37

WO#: 2109229 20-Sep-21

QC SUMMART REFORT	WO#:	2109229
Hall Environmental Analysis Laboratory, Inc.		20-Sep-21

Client: EOG Project: Patrick	API 5								
Sample ID: mb-62470	SampType:	MBLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch ID:	62470	F	RunNo: 8 1	1220				
Prep Date: 9/8/2021	Analysis Date:	9/10/2021	S	SeqNo: 28	867502	Units: mg/K	g		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0							
Surr: BFB	520	500.0		103	70	130			
Sample ID: Ics-62470	SampType:	LCS	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Batch ID:	62470	F	RunNo: 8 1	1220				
Prep Date: 9/8/2021	Analysis Date:	9/10/2021	S	SeqNo: 28	867504	Units: mg/K	g		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0 25.00	0	101	70	130			
Surr: BFB	490	500.0		97.4	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 37 of 37

Received by	OCD: .	3/11/2022	9:15:49 AM
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HALL ENVIRONMENTAL ANALYSIS LABORATORY		1901 Hawkins NE erque, NM 87109 X: 505-345-4107	San	nple Log-In Check List	
Client Name: EOG	Work Order Number: 2	109229		RcptNo. 1	
Received By: Juan Rojas	9/4/2021 8:30:00 AM	-	lunin An S		
Completed By: Cheyenne Cason	9/4/2021 11:05:31 AM	1	Universe)		
Reviewed By: Jn917/21		L	ame		
Chain of Custody					
1. Is Chain of Custody complete?	Y	es 🗸	No 🗌	Not Present	
2. How was the sample delivered?		ourier			
Log In 3. Was an attempt made to cool the samples?		17	No. 171		
5. Was an attempt made to cool the samples?	Ye	es 🗸	No	NA	
4. Were all samples received at a temperature o	f >0° C to 6.0°C Ye	es 🗸	No 🗌	NA 🗔	
5. Sample(s) in proper container(s)?	Ye	es 🗸	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Ye	s 🗸	No 🗌		
7. Are samples (except VOA and ONG) properly	preserved? Ye	s 🗸	No 🗌		
8. Was preservative added to bottles?	Ye	s 🗋	No 🔽	NA 🗔	
9. Received at least 1 vial with headspace <1/4"	for AQ VOA? Ye	s 🗌	No 🗌	NA 🔽	
10. Were any sample containers received broken	? Ye	is 🗆	No 🔽		2
				# of preserved bottles checked	
11. Does paperwork match bottle labels?	Ye	s 🗸	No 🗌	for pH:	
(Note discrepancies on chain of custody) 2. Are matrices correctly identified on Chain of C	ustadu?	s 🗸	No 🗌	(<2 or 12 unless noted) Adjusted	
3. Is it clear what analyses were requested?				/	1
14. Were all holding times able to be met?		* . <u>(19</u>)	No 🗌	Checked by 1/ P/, 9/5	1/-
(If no, notify customer for authorization.)	01		4	nia j	1
Special Handling (if applicable)					
15. Was client notified of all discrepancies with th	s order? Ye	es 🗌	No 🗌	NA V	
Person Notified:	Date:				
By Whom:		Mail 🗌 Phone	e 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. Cooler Information					
	I Intact Seal No Seal	Date Sigr	ned By		
1 0.0 Good					
2 0.4 Good					
3 0.1 Good					

0	Chain-	-of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time:	8			
Client:	EOG-Art	Client: EOG-Artesia / Ranger Env	nger Env.	X Standard	□ Rush	5 Derro		AALLENVIRONMENTAL	
				Project Name:		77 .		www hallenvironmental com	
Mailing	Address: E	EOG - 105	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Patrick		451 #J	490	4901 Hawkins NE - Albuquerque, NM 87109	
Ranger	PO Box 2	201179, A	Ranger: PO Box 201179, Austin TX 78720	Project #: 5375	5		Te	Tel. 505-345-3975 Fax 505-345-4107	
Phone	Phone #: 521-335-1785	35-1785						na	
email c	ır Fax#: V	Vill@Ran	email or Fax#: Will@RangerEnv.com	Project Manager: W. Kierdorf	ger: W. Kierd	orf	((
QA/QC	QA/QC Package:						мвс		
Standard	ndard		Level 4 (Full Validation)				10		_
Accreditation	Accreditation:	□ Az Col	 Az Compliance Other 	Sampler: N	(. Cook	□ No	שמימ	(00)	
EDI.	EDD (Type)	Excel		# of Coolers:	2			E A4	_
				Cooler Temp(including CF): See	ncluding CF): See	Demonts		(EF	
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	3) XJT8 108:H9T	Chloride	
9/3/21	1252.0	1.00	+H-1/surface	402, 1	Noue		XX		-
-	6799	/	74-1/21	/	/	200	XX		-
-	0802		、 や/ 1- 世人	_	/	003	XX		-
	0805		TH-2 / Surface			hao	XX	X	
	0807		1/2-42			005	XX		
	0812		, カノマーガム			006	XX		_
	0833		+H-3/Surface			200	XX	X	
	0031		TH-3/4			(D)	XX	X	_
	0836		TH 4 / Surface			ocg	XX	X	_
	1480		TH-4/2'			010	XX		-
	7480		TH-5'/ Surface			017 011	XX		
10	0855	IP	TH-5/2'	5	\wedge	210	XX		-
je -	F	Relinquished by:	ed by:	Received by:	Via:	Date Time	Remarks	Remarks: Bill to EOG Artesia	-
1/2/21			145	M/N	5	18/21 1400		0-2-0-20	
Date:	Time:	Relinquished by	ed by:	Received by:	Via: V	Date Time		6.6-6.250.4	
Lefon,	(LOV)	Cut	1 VVV	101	L COUNEN	roumer gly/21 5,50		0.5-0.2 = 0.1	_
	If necessary,	, samples sut	omitted to Hall Environmental may be subc	contracted to other a	ccredited laboratori	es. This serves as notice of t	his possibility.	If necessary, samples submitted to Hall Environmental/may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	

Released to Imaging: 3/22/2022 2:42:03 PM

0	Chain	-of-Cu	Chain-of-Custody Record	Turn-Around Time:		1				
Client:	EOG-Art	Client: EOG-Artesia / Ranger Env.	nger Env.	Standard	□ Rush	> Ker			ANAL VIRONMENTAL	.>
				Project Name:	A	本で			www.hallenvironmental.com	
Mailing	Address:	EOG - 105	Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	tatrick	XL-	C		490,	4901 Hawkins NE - Albuquerque, NM 87109	
Ranger	PO Box	201179, A	Ranger: PO Box 201179, Austin TX 78720	Project #: 5375	⁷ 5		-	Tel.	Tel. 505-345-3975 Fax 505-345-4107	
Phone	Phone #: 521-335-1785	35-1785							na	
email c	or Fax#: \	Will@Ran	email or Fax#: Will@RangerEnv.com	Project Mana	Project Manager: W. Kierdorf	dorf		((
QA/QC	QA/QC Package:							лвс		
Standard	ndard		Level 4 (Full Validation)					V/C		_
Accreo	Accreditation:	Az Co	Az Compliance	Sampler: M	.Cook			_	((
NELAC	AC	□ Other		On Ice:	D-Yes	ON D		_	3000	
EDI	EDD (Type)	Excel		# of Coolers: 3	3		()	_	Ad	
				Cooler Temp(including CF): See	including CF): Se	e Reinew Ks	1208		(11)	
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	3) XƏT8	08:H9T	Chloride	
12/2/b	0913	Soil	TH-6/Surface	1 de 1	Nove	C13	X	X		F
1	5160	1	,1/7-HL	/	/	614	X	X		
_	6925	-	TH-7/Surface	/	-	510	X	X		
_	0929		++-+/9			016	×	X		
	RHPO		TH-8/1			617	\times	K		
	1560		, t / 8-H L			018	×	X		
	1027		714-8/14			619	\times	X	~	
	1039		44-9 /gontace			020	\times	X		
	1041		.h/ 5-HL			120	×	X		
	9401	-	TH-10/ 500 Face			220	X	X		
_	040)		TH-0/2'			023	×	X		
\rightarrow	9011	\rightarrow	TH-11 6 VIFALP	>	7	024	×	R		-
Date:	Time:	Relinquished by:	V	Received by:	Via:	-	Rem	arks:	Remarks: Bill to EOG Artesia	
12/2/2	1400	1	XX	S	5	3	_		0.1-0.2-0-	
Date:	Time:	Relinquished by:	ed by: C	Received by:	Via: 1 V	Date Time	_		6.6-0.210.4	
NGU	002	ar	m l	tel	(auter	(auter 9/4/21 8,30	0		a. J. a. 270-1	
	If necessary	/, samples sul	bmitted to Hall Environmental may be subc	contracted to other a	ccredited laborator	ies. This serves as notice of	this poss	bility. A	If necessary, samples submitted to Hall Environmental may be subcontracted of other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	

Released to Imaging: 3/22/2022 2:42:03 PM

	AALL ENVIRONMENTAL ANALYSTS LARORATORY		4901 Hawkins NE - Albuquerque, NM 87109		Analysis	[†] OS	; [≁] od SMIS((1. 10 ₂ , 50	504 01 (5 5 7 (A(-AC 103 103 103 103	Metho 8 Me 3r, 1 (AO)	8081 P EDB (<i>h</i> RCRA CI, F, I 8250 (<i>j</i> 8250 (<i>j</i> 70tal C								0.220	0.5-0.270.1	y sub-contracted data will be clearly notated on the analytical report.
			490	Tel.		(05	W/O	שמי	0	49)	0910	BTEX / 7PH:80	N	XX 1	XX	KX X				Remarks:		possibility. An
Turn-Around Time:	Destandard Drush	Project Name:	Patrick API #5	Project #:	9549	:La	W. KIN COM	Sampler: M. Cook	On Ice: Tes DNo	# of Coolers: + 3,	Cooler Temp(Including CF): Sc. Dever K (°C)	Container Preservative HEAL No. Type and # Type	Now	Hoz, 1 Nove 026	402, 1 Nory 027	HOR I Nove Oil				Received by: Via: Date Time	Received by: Via: Date Time	Il necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Chain-of-Custody Record	aclient: EDG Artesia / Ranger ENV.		Mailing Address: NOS 5. 4th Street	Artesia,	Phone #: 512-335-1785	email or Fax#: Will & Zonger Env. com	Standard Devel 4 (Full Validation)	1: 🗆 Az Con	X NELAC D Other	EDD (Type) Excel		Date Time Matrix Sample Name	9/3/21 1117 Soil TH-11/5'	a/3/21 [121 Soil TH-11 /10'	9/3/21 1125 Soil TH-12/ Surface	a/3/21 1127 501 74-12/1				Date: Time: Relinquished by:	Date: Time: Relinquished by	If necessary, samples submitted to Hall Environmental may be sub-

ATTACHMENT 4 – HOWELL RANCH SEED MIXTURE

James H & Betty R Howell Revocable Trust Seed Mix

1lb per acre of Plains Bristlegrass
2lbs per acre of Green Sprangletop
3lbs per acre of Side Oats Gramma
2lbs per acre of Blue Gramma
Increase to 16lbs per acre if broadcast.

Add Reclamation Mix

40% Ryegrass (Annual)

10% Millet

7.5% Kleingrass

5.7% Sideoats

5% Green Sprangletop

7.5% Bristlegrass

10% Western Wheatgrass

10% Buffalograss

2.5% Blue Grama

PLANTING RATE 20 lbs. per acre

Updated 5/23/2021

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

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	89512
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Remediation Plan Approved.	3/22/2022

Page 83 of 83

Action 89512